

# Joanna J. Bryson

Sage Profile of Policy Impacts  
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## Degrees and Education

DOCTORATS HONORIS CAUSA February 2025  
UNIVERSITÉ DE LOUVAIN

For contributions to transparency and accountability in AI and robotics, on recommendation of the Faculty of Sciences and their Research Institute for Landscape, Architecture, Built Environment.

PH.D. IN COMPUTER SCIENCE June 2001  
THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

**Dissertation:** *Intelligence by Design: Principles of Modularity and Coordination for Engineering Complex Adaptive Agents*. Courses Include: Principles of Computing Systems, Embodiment and Cognition, Computer Architecture, Artificial Intelligence, Theory of Computation.

M.PHIL. IN PSYCHOLOGY January 2000  
THE UNIVERSITY OF EDINBURGH

**Dissertation:** *The Study of Sequential and Hierarchical Organization of Behaviour via Artificial Mechanisms of Action Selection*. Conducted 1996–1998 (viva postponed.) Tony Prescott, external.

M.SC. IN ARTIFICIAL INTELLIGENCE November 1992  
THE UNIVERSITY OF EDINBURGH

**Dissertation:** *The Subsumption Strategy Development of a Music Modelling System*. Courses Include: Knowledge Representation and Inference, Intelligent Sensing and Control, Neural Networks, Software for Parallel Architectures, Expert Systems

B.A. IN BEHAVIORAL SCIENCE June 1986  
THE COLLEGE OF THE UNIVERSITY OF CHICAGO

Courses Include: Human Information Processing, Perception, Human Interaction, Developmental Neuropsychology, Ethology, History of Science in Western Civilization

## Employment

PROFESSOR OF ETHICS AND TECHNOLOGY [Hertie School of Governance](#), Berlin  
Hertie is a private, non-profit university focused on research and postgraduate education in public policy and international affairs. Founding member: [Centre for Digital Governance](#); affiliate: Data Science Lab; Centre for Fundamental Rights. See further teaching and university administration, below (ff.6).  
February 2020–present

DEPARTMENT OF COMPUTER SCIENCE University of Bath, England  
Founded the AI Research Group (Bath AI); Artificial Models of Natural Intelligence (amoni), Bath Evolutionary Social Sciences (BESS) active participant in neuroscience and robotics communities. Member of Centres for Networks and Collective Behaviour; Mathematical Biology; Media Technology; Biomimetic Engineering, and the Institute for Policy Research.

READER (US: *tenured Assoc. Prof.*) Sep 2010–Jan 2020 (part time from Sep 2016);  
LECTURER B (US: *Asst. Prof.*) Oct 2002–Aug 2010.

PRIMATE COGNITIVE NEUROSCIENCE LABORATORY Harvard University, Cambridge USA  
Postdoctoral Fellow with Prof. Marc D. Hauser, working on modeling specialized learning in primates and its applications to safe learning in software agents (cf. grants below).  
October 2001 – Sept 2002

HUMAN COMMUNICATION RESEARCH CENTER University of Edinburgh, Scotland  
Research Assistant to Profs. Johanna Moore and Mark Steedman, facilitating migration of their NLP research to Edinburgh. Investigated dynamic planning for dialog-based tutoring systems.  
Jan 1999 – March 2000

LEGO Boston, MA and Billund, Denmark  
Consultation and research for the toy company. With LEGO Futura–Boston (1995), developed technology-oriented play concepts, focussing on programability of the robot kit that became Mindstorms. With Special Project Unit Darwin at LEGO corporate headquarters (1998), developed a proprietary intelligent character architecture for real-time virtual reality applications.  
April 1995 – December 1995, February 1998 – December 1998

MARBLE ASSOCIATES, INC. Waltham, MA, USA  
Senior Associate (1993) / Intern (1994) for technology consultancy. Initially positioned in the “Core Object Support” team for large-scale reengineering of NCR, then still a technology manufacturer with 30,000 employees globally. Responsible for the corporate software library, integrating teams (order entry, tracking, product configuration) and interfacing with legacy systems and data. Made Technical Project Lead after three months. Also AI expert; business development.  
January 1993 – August 1993, Summer 1994

A M INVESTORS Chicago, IL, USA  
Project Leader for automating the exchange-floor staff. Delivered a real-time trading support system (based around Sybase RDB) with a 20-minute maximum downtime.  
September 1988 – July 1991

LAWRENCE I. SCHULMAN & CO. / FIRST OPTIONS OF CHICAGO Chicago, IL, USA  
Sole technical employee; provided custom trading and bookkeeping tools for the company that became the proprietary trading unit of the world’s largest options clearing firm.  
July 1986 – September 1988

## Visiting and Sabbatical Positions, other Honours and Awards

2025 FRONTIERS OF SCIENCE AWARD [International Congress of Basic Science](#)  
“Semantics derived automatically from language corpora contain human-like biases,” by Aylin Caliskan, Joanna J. Bryson, Arvind Narayanan (2017) is one of several selected by the ICBS this year, which is sponsored by the City of Beijing and the Yanqi Lake Beijing Institute of Mathematical Sciences and Application.  
June 2025

INVITED EXPERT UNADO-SIPRI  
[UNODA-SIPRI Multi-Stakeholder Dialogue. Responsible innovation in AI for peace and security](#) (UN-ADO: United Nations Office for Disarmament Affairs, SIPRI: Stockholm International Peace Research Institute). See policy events below.  
September 2023–*present*

APPOINTED EXPERT [UNESCO Women4Ethical AI](#)  
[One of 16 women nominated globally](#) (plus UNESCO’s own Garbriel Romaos).  
From June 2024, also subsumed to UNESCO’s **AI Ethics Experts Without Borders** (AIEB).  
April 2023–*present*

VISITING FELLOW Leuven Institute for Advanced Study ([LIAS](#))  
Including a week-long workshop participation, “Media and Artificial Intelligence,” Prof. dr. Bart Pattyn and Prof. dr. Ir. Tinne De Laet, coordinators.  
6 November 2022–3 December 2022

FELLOW Leuven KCDS-CiTiP  
Invited fellow of the Leuven Knowledge Centre Data & Society — Centre for IT & IP Law (CiTiP)  
fellows programme, see resulting talk and policy brief below.  
May 2022

AWARDED TALK For Women in Science  
[What AI Teaches Us About Power](#), award by UNESCO and L’Oreal.  
prerecorded, Paris, 7 December 2021 for 2022 virtual event

NOMINATED EXPERT Global Partnership on Artificial Intelligence (GPAI)  
[One of nine initially selected by Germany](#). A founding member of the *Responsible Development, Use  
and Governance of AI* (RAI) Working Group. One of two founding co-chairs of the AI Governance RAI  
subcommittee, from January 2021.  
July 2020–July 2023

SENIOR FELLOW Berlin Centre for Consumer Policies (BCCP)  
February 2020–*present*

VISITING PROFESSOR Tilburg Institute for Law, Technology, and Society  
Topic of the institute that month: Reconfiguring Human-AI Relationships.  
September 2019

APPOINTED MEMBER The Foundation for Information Policy Research (FIPR)  
An independent body that studies the interaction between information technology and society.  
June 2018–*present*

WHIDDEN LECTURESHIP McMasters University, Faculty of Humanities  
[Lecture series](#) awarded to one interdisciplinary researcher annually. Lecture titles listed below as ‘in-  
vited’.  
February 2018 – March 2018

ELECTED MEMBER The UK Computing Research Committee (UKCRC)  
An expert panel of the Institution of Engineering and Technology and the British Computer Society.  
November 2017–April 2020

GENDER-GASTPROFESSORIN Bielefeld University  
[Visiting Professor of Gender Studies](#), position awarded annually, held in the Cluster of Excellence Cog-  
nitive Interaction Technology (CITEC). Lecture titles listed below.  
November 2017

PHILANTHROPIC AWARD: RESPONSIBLE AI AXA Research Fund  
One of three recipients globally; philanthropic topic is changed annually. Each receives a €250,000  
award, cf. Research Grants below.  
October 2017 (conditions of award finalised)

AWARD: OUTSTANDING CONTRIBUTION TO AI ETHICS CogX  
[AI Innovation Awards](#)  
June 2017

CENTER FOR INFORMATION TECHNOLOGY POLICY (CITP) Princeton University  
Visiting Fellow (sabbatical from Bath) 2015–16: “Public Goods and Artificial Intelligence”; affiliate  
thereafter, working with Arvind Narayanan.  
August 2015 – July 2018

MANNHEIMER ZENTRUM FÜR EUROPÄISCHE SOZIALFORSCHUNG University Mannheim  
Visiting Research Fellow at Mannheim’s Centre for Social Science Research.  
January 2011 – December 2013

DEPARTMENT OF ANTHROPOLOGY Oxford University  
Visiting Research Fellow. Assisted Harvey Whitehouse on EU FW7 project *Explaining Religion*.  
February 2010 – December 2010

THE KONRAD LORENZ INSTITUTE FOR EVOLUTION AND COGNITION RESEARCH      Vienna  
Resident Faculty / Hans Przibram Fellow in EvoDevo Research. Funded by the KLI, with partial sab-  
batical support from Bath. Topic: “Factors Limiting the Biological Evolution of Cultural Evolution”.  
August 2007 – August 2009

METHODS AND DATA INSTITUTE      University of Nottingham  
Visiting Research Fellow. Attended courses on quantitative research methods in the social sciences, gave  
lectures on agent-based modelling.  
September 2007 – July 2009

MEMBER OF THE COLLEGE      Engineering and Physical Sciences Research Council (EPSRC)  
The College is the review board of the British research council in charge of (among other things) com-  
puter sciences and artificial intelligence. Appointment follows peer nomination plus selection.  
2006–2020

COMPUTERS AND COGNITION GROUP      Franklin W. Olin College of Engineering, USA  
Visiting Postdoctoral Fellow (paid) with Prof. Lynn Andrea Stein, working on the interaction between  
autonomous agents and semantic web services in the context of DAML-S.  
June 2001 – September 2001

NATIONAL MERIT SCHOLAR      University of Chicago  
Competitive undergraduate scholarship awarded to college-bound high school students based on aca-  
demic achievement.  
1982–1986

### Short-Term Research Visits

Multi-day visits for the purpose of collaboration and/or knowledge exchange not otherwise covered  
under conferences, work, or visiting positions.

The Human Dynamics Laboratory, Media Laboratory, MIT, Cambridge MA. Visiting Sandy Pentland’s  
group *17–19 May 2011*.

Equipe d’Ethologie des Primates, Louis Pasteur University Strasbourg, France. Visiting (with Hagen  
Lehmann) Bernard Thierry (CNRS), discussing models of macaque social behaviour. Visit funded  
by the British Council. *1 week, July 2005*.

Electronics and Telecommunications Research Institute (ETRI), South Korea, with visits to local uni-  
versities (see *Invited Talks*, below). Invited to discuss intelligent robotics. *1 week, August 2004*.

Stanford AI Laboratory and Stanford Research Institute (SRI). Work funded by DAML on the semantic  
web with Jerry Hobbs and Sheila McIlraith. *2 weeks, July 2001*.

Vrije Universiteit Brussel (VUB) AI Laboratory. Visiting (with Will Lowe) Luc Steels and his students,  
discussing behavior-based AI, statistical NLP and the evolution of language. *2 weeks, January  
1998*.

### (Advisory) Board and Council Memberships

*Note: Academic project boards, journal boards and conference committees listed below under [Aca-  
demic Service](#).*

Advisory Board Member [BRIDGE](#) (project #101160337) “Building Resilient Innovations in Democ-  
racy, Governance, and Excellence” 3-year-long €1.5 million Horizon Europe project to support  
Ukraine (2024–2027).

Member, Ethics Advisor Board, [Estonian Centre of Excellence in AI](#), 2024–2031.

Member, Center for AI and Digital Policy (CAIDP) Europe General Purpose Artificial Intelligence  
(GPAI) Task Force, 2024–2025.

Affiliated expert [Israel Public Policy Institute](#), since 2023 (they hasn’t asked me to do anything as of  
January 2025).

Advisory Board, [saidot.ai](#), since 2022.

Invited member, Future AI Rules Reference Group, [Foundation for European Progressive Studies \(FEPS\)](#), (unpaid) July 2020–February 2021.

Scientific Advisory Board, [Artificial Intelligence and Cybersecurity Task Force](#) *Centre for European Policy Studies* (CEPS, unpaid), July 2020–February 2021.

Advanced Technology External Advisory Council ([ATEAC](#)), *Google* (USA, unpaid). Appointed in December 2018 as one of eight board members for 2019 (inaugural year). The Council was dismantled in April, one week after its public announcement on 26 March 2019 after outcry over the excessive diversity of its membership. See [press and media](#) section below.

AI & Society Advisory Council, *Canadian Institute for Advanced Research (CIFAR)*, 2018–2022.

Steering Committee of the Swiss national research programme on “Digital transformation,” *Swiss National Science Foundation*, 2018–2020.

Mindfire Ethics Board (Switzerland, refused payment) 2017–2019.

ADA-AI Advisory Board (London, unpaid), roughly 2017–2020.

Co-chair, Affective Computing Committee, *The IEEE Global Initiative for Ethical Considerations in Artificial Intelligence and Autonomous Systems* (unpaid), 2016–2019.

Elected senator representing the Academic Assembly, *University Council*, University of Bath, 2013–2015 (served two years of three-year term, resigned for sabbatical, see also below.)

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## Teaching

HERTIE SCHOOL OF GOVERNANCE Berlin  
*Postgraduate teaching:* Ordinary Masters: Governance and Politics of Artificial Intelligence—with Slava Jankin, Spring and Fall 2020, Spring 2021—Solo, Fall 2021, Spring 2022, Spring 2023–2025, Fall 2023–2025 (two sections per year). The Science and Ethics of Intelligent Technology Policy: Fall 2024, 2025. Individual and Collective Intelligence: Insights from Biology and Technology (Fall 2020, 2021; Spring 2023, 2024). Executive Masters: Ethics and Governance of Digital Technology (Fall 2020–2022). Digital Governance (with Thorsten Jelenik and Monika Sus, Spring 2023). Project courses: Detecting Market Dominance and Emerging Digital Sectors (with Helena Malikova, DG Comp, Spring 2021, 2022).  
February 2020 – *present*

THE DEPARTMENT OF COMPUTER SCIENCE University of Bath  
*Postgraduate teaching:* Intelligent Control and Cognitive Systems (Spring 2011–2015, 2017–2018, co-teaching 2019), Humans and Intelligent Machines (Fall co-teaching 2018, 2019), Research Project Preparation (Spring 2003–7), Database Systems (Fall co-teaching 2003–6). *Undergraduate teaching:* Intelligent Control and Cognitive Systems (Spring 2011–2015, 2017–2018, co-teaching 2019), Programming 1b (Spring 2010–2015), Systems Engineering (co-taught Fall 2009, Spring 2010), Programming II (Spring co-taught 2004–7), Database Systems (Fall co-taught 2003–6). Research supervision: see research students, below. Passed Bath’s mandatory ILT-certified lecturer training course in 2004; made Fellow of the Higher Education Academy 2014 (recognition reference number: PR079700).  
February 2003 – January 2020

THE DEPARTMENT OF PSYCHOLOGY University of Edinburgh  
Part-time undergraduate lecturer for the Department of Psychology. Courses: The Biological Basis of Behavior (1<sup>st</sup> year students, 3 terms); Cognitive Psychology (3<sup>rd</sup> year students, 1 term); 1<sup>st</sup>–4<sup>th</sup> year honours tutorials.  
January 1996 – December 1997

THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE MIT  
Teaching Assistant for 3 terms. Teaching assistants work 30 hours a week at MIT with considerable responsibility. Courses: The Structure and Interpretation of Computer Programs (6.001; 1<sup>st</sup> year students, 2 terms, course leads: Gerry Sussman and Albert Meyer; and Rod Brooks and Lynn Stein); Artificial Intelligence (6.034; 3<sup>rd</sup> year students, 1 term, course lead: Patrick Winston).  
September 1994 – December 1995

THE DEPARTMENT OF COMPUTER SCIENCE University of Chicago  
Course Tutor for both undergraduate and postgraduate computer science courses.  
September 1983 – June 1987

## University Administration

HERTIE SCHOOL  
Centre Member, Centre for Digital Governance (2020–*present*); IT Committee (2021–*present*); various hiring committees.

THE DEPARTMENT OF COMPUTER SCIENCE University of Bath  
Department Research Team / AI Group Leader 2011–2015; University Council (elected representative of the Academic Assembly) 2013–2015; University Senate (elected representative of the Academic Assembly for the maximum two consecutive 3-year terms) 2010–2015; University Court (elected representative of the Academic Assembly) 2012–2015; AI Seminar Series 2003–2017; Computer Science Department Convener for the Natural Sciences Degree Programme 2004–2007, 2013–2015; Industrial Placements Tutor 2009–2011; Faculty of Science Board of Studies 2006–2007; Department Teaching Committee 2005–2007; Staff-Student Liaison Committee 2005–2007; Library Committee 2003–2007; *Note: Administrative duties curtailed and employment reduced to 40% due to residing in Princeton, NJ, for family reasons August 2015–January 2020.*

## Research Assistants and Fellows

- Numerous short-term and fractional assistants at Hertie School, funded primarily through professorial budget.
- Dr. Jennifer Haensel, Research Officer (human subjects, robotics) September 2019 – October 2020, Impact of Anthropomorphism on Transparency for AI.
- Dr. Simon T. Powers, Research Officer (modelling) May–September 2011, Cultural Variation in Anti-social Punishment.
- Dr. Karolina Sylwester, Research Officer (human subjects) 2010–2011, Cultural Variation in Antisocial Punishment.
- James Mitchell, Research Programmer 2010–2011, Cultural Variation in Antisocial Punishment.
- Dr. Pablo Lucas, Research Officer (modelling) October 2010–March 2011, Cultural Variation in Antisocial Punishment.
- Dr. Etienne Roesch, Visiting Research Fellow 2010–2011.
- Dr. Dylan Evans, Outreach Officer 2008, European Cognitive Systems Outreach through website and higher education curriculum.
- Dr. Veronica Sundstedt, Outreach Officer 2008, European Cognitive Systems Outreach through website and higher education curriculum.
- Philipp Rohlfshagen, Research Officer 2007, Integrating durative state (emotions and drives) with dynamic planning and modular AI control.
- Dr. Emmanuel Tanguy, Research Officer 2005–2006. Emotions, action selection and facial animation systems.
- Tristan Caulfield, Research Officer 2005. Integrating POSH dynamic planning with conventional agent-based modelling systems.
- Ivana Čače, Visiting Research Student 2004 (6 months, Utrecht). Evolution of communication.
- Dr. Will Lowe, Visiting Research Fellow 2002–2015. (visiting from Harvard (2002–2006), Nottingham (2006–2009), Maastricht (2009–2010), Mannheim (2010–2015). Computational linguistics, machine learning, research methods in the social sciences, modelling social and political identity of parties, nations and individuals.

## Research Students

### PHD STUDENTS, FIRST SUPERVISOR

- Leonard Baum (Hertie School, February 2025–present)
- Andreas Theodorou, *AI Governance Through a Transparency Lens* (Bath, September 2015–May 2019).
- Robert H. Wortham, *Using Other Minds: Transparency as a Fundamental Design Consideration for Artificial Intelligent Systems* (Bath, part time, June 2014–June 2018).
- Yifei Wang, *Evolutionary Innovations and Dynamics in Wagner's Model of Genetic Regulatory Networks*, (Bath, with Nick Priest, October 2012–May 2016).
- Paul Rauwolf *Understanding the Ubiquity of Self-Deception: The Evolutionary Utility of Incorrect Information* (Bath, with Marina De Vos, started October 2012–July 2016).
- Jekaterina Novikova, *Designing Emotionally Expressive Behaviour: Intelligibility and Predictability in Human-Robot Interaction*, (Bath, with Leon Watts, October 2012–January 2016).
- Swen Gaudl, *Building Robust Real-Time Game AI: Simplifying and Automating Integral Process Steps in Multi-Platform Design* (Bath, April 2012–May 2016).
- Bidan Huang, *The Use of Modular Approaches For Robots to Learn Grasping and Manipulation*, (Bath, with Aude Billard, October 2010 – June 2015)
- Gideon Gluckman, topic: The Impact of Primate Social Structure on Biological Evolution (Bath, part-time, started October 2010, suspended 2011 withdrew 2013 for an industrial opportunity).

Dominic Mitchell, topic: Public Language as an Adaptive Trait (Bath, part-time, started October 2010, switched to another supervisor February 2016).

Daniel Taylor, *Evolution of the Social Contract*, (Bath, October 2010–October 2014).

Marios Richards, topic: Impact of ontogenetic learning on phylogenetic evolution (Bath, part-time, started October 2008, withdrew June 2012).

Hagen Lehmann, *On the Applicability of Agent Based Modelling in Behavioural Ecology* (Bath, January 2005 – September 2009).

Mark Wood, *An Agent-Independent Task Learning Framework* (Bath, October 2003 – July 2008).

Emmanuel Tanguy, *Emotions: The Art of Communication Applied to Virtual Actors* (Bath, second supervisor with Prof. Phil Willis first supervisor, October 2002 – June 2006).

#### PHD STUDENTS, OTHER ROLES

Vivaing PhD committee: Thomas Graham, Swinburne University of Technology, (Law, in progress); Katherine D. Evans, Sorbonne Université, (Philosophy, cf [Le moteur de recherche des thèses françaises](#)), 2021; Ronny Bogani, Bath, (transferred to Edinburgh); Miles Brundage, Arizona State University, (Technology Policy) 2019; April Grow, UCSC, (changed concentration); Joost Broekens, Leiden, Computer Science, 2007.

UK External Examiner for: Damian Ziubroniewicz, Bath, (Computer Science) 2025; Justin E. Lane, Oxford, (Anthropology) 2019; Elizabeth M. Gallagher, University College London, (Genetics, Evolution, and Environment) 2017; Oisín Mac Fhearaí, Dublin City University, (Computer Science) 2014; Oxford University; Tak-Shing Thomas Chan, University of London, Goldsmiths College (Computer Science) 2007; David Jacobs, Hertfordshire (Computer Science) 2005; Elizabeth Gordon, Nottingham, (Computer Science), 2004. *Note: UK PhDs are awarded after protracted viva voce examinations conducted by one external and one internal examiner.*

UK PhD Internal examiner (Bath): Gina Raihani (Psychology, 2007); Andrew Carnell (Computer Science, 2008); Florian Schanda (Computer Science, 2010).

Non-examining PhD Committee (Bath): Jeehang Lee (2015), Carl O’Dwyer (withdrew), Jan Drugowitsch (2007).

#### HERTIE SCHOOL MASTERS DISSERTATION STUDENTS

2024: Catherine Kennon, Claudio Minutillo Turtur, Eleonora Sironi, Haik Zakrzewski, Henry Baker, Jaisal Singh Shergill, Joshua Hyochan Lee, Kilian Lange, Lianchao Lan, Melanie Fisher, Reed Garvin.

2023: Beatrice De Mare, Corina Pirvulescu, Hussam Al Erhayel, Kritika Roy, Leonard Baum, Malte Spielmann.

2022: David Backovsky, Finn Hagemann, Sera Filiz, Siddharth Nandan, Taylor Koley, Thomas Jestin, Wiebke Dorfs.

2021: Mark Dempsey, Elise Racine, Vishali Sairam, Maritta Rastuti, Robert Foerster, Isabel Olivia Kivlighan, Alexander Russman.

#### MSC DISSERTATION STUDENTS

2018, supervised by PhD student Andreas Theodorou: Holly Wilson†, Alex Rotsidis†.

2015: Laura Deeley (MComp); supervised by PhD student Yifei Wang: Hongwei Tong, Yang Hong.

2010: John Grey†, Jason Leake†, *Bath Mathematics*: Daniel Taylor.

2008: *Bath Mathematics*: Marios Richards.

2007: Jonathan Baillie Strong.

2006: Alastair Fletcher†, Yifan Jiang. *Utrecht Philosophy*: Ivana Čače†.

2005: Yasushi Ando†, Andrew Beggs†, Steven Couzens, Matthew Thomas†, Bouri Zhang.

2004: Paula Ellis†, Liu Wenxin, Chia-Hua (Annette) Tsou, Wang Jinxu.

2003: Andy Kwong†, Nur Haifa Muhd Fathil, Jing Jing (Andrea) Wang†, Peter Duncan Wright.

#### FINAL YEAR UNDERGRADUATE HONOURS STUDENTS:

2015: Kyle Bignell, Wil Eager, Alex Kershaw†\*, Tom Murray, Aaron Rickard†.

2014: Alex Aiton†, Sam Eaton-Rosen, Tom Ellis, Ryan Murdock, Stephen Pearson, Allan Taylor†, Michael Wyllie.

2013: Michael Brooks†, Alex Fedorec†, Thom Highman, George Lungley, Tim MacFarlane†, Alice Stuart-Lee†\*.

2012: Eugene Bann†, Simon Davies†, Tom Hyde†, Richard Scott-Holt†.

2011: David Greenhill, Jack Kenyon, Matthew Robinson, Michael Tremante†.

2010: James Bickerton†, Thomas Fletcher†\*.

2009: Robert Jenks†\*.

2007: Ayesha Begum, Mary Estall†, Thomas Peach†, Bowen Sun.

2006: Christos Bechlivanidis†, Avri Bilovich†\*, Steve Butler†, Steve Gray, David Jennings.

2005: Abeer Almoawdah, Chris Knight, Sam Partington†\*, Meri Williams†\*.

2004: Tristan Caulfield†, Joanna Julie Church, Robert Holbrook, Emily K. F. Korvin, Philip J. Richards, Stephen M. Richards.

2003: Natalia Boutoureira Bello†, Jia Lin, John Edward Mann†, David Robert Pratt, Ping Wong.

†indicates first-class honours for undergraduate dissertations, distinctions for MScs. \* indicates a department prize (aprox. 3 available for aprox. 70–100 undergraduates per year.)

#### Academic Service

External examiner for the Concept Audit of the University of Technology Nuremberg's Masters in Human and Artificial Intelligence, and their Masters of Artificial Intelligence and Robotics, 15 July 2024.

Service for German government: German Ministry for Labour and Society, Bundesministerium für Arbeit und Soziales (BMAS): Global Partnership for AI (July 2020–June 2023); German Ministry of Education and Research / Bundesministerium für Bildung und Forschung (BMBF): Review of German AI Centres of Excellence (September 2021); informal consulting to various ministries, see [Public Policy](#), ff. 42.

Grant reviews for the UK's Engineering and Physical Sciences Research Council (EPSRC—as a member of their College), the USA's National Science Foundation (NSF) and Air Force Office of Research (USAFOR); The United Kingdom's Economic and Social Research Council (ESRC) and their Biotechnology and Biological Sciences Research Council (BBSRC), The Vienna Science and Technology Fund (WWTF, Cognitive Science Call), The Leverhulme Trust, Swiss National Science Foundation, Helmholtz-Gemeinschaft Deutscher Forschungszentren, the Dutch Research Council (NWO—Social Sciences and Humanities Domain), American Academy, Berlin, DFG, [Chanse/EPSS](#) (Poland).

Scientific and technical reviews for the European Commission:

Project reviewer:

- *RobotCub*: €8.5 million, 5-year, 16-university EU FW6 Information Society Technologies (IST) Cognitive Systems (2005–2010).
- *Integrating Cognition, Emotion and Autonomy (ICEA)*: €8.08 million, 4-year, 10-partner EU FW6 IST Cognitive Systems (2007).
- *Responsive Artificial Situated Cognitive Agents Living and Learning on the Internet (RAS-CALLI)*: €1.6 million, 3-year, 6-partner EU FW6 IST Cognitive Systems (2007–2009).
- *EUropean RObotics research Network (EURON)*: €3.34 million EU FW6 4-year IST Network of Excellence (2007).

Proposal evaluations for Advanced Robotic Systems (June 2006); for Cognitive Systems (June 2007); Cognitive Systems and Robotics (May 2009), then I ran out of time.

International Advisory Board for [RegulAite](#) (2023–*present*). External Advisory Committee member for the University of California, Los Angeles (UCLA) Human Complex Systems Program (2008–2011). Executive Committee Member for the European Network for the Advancement of Artificial Cognitive Systems (euCognition, 2007–2008).

Chair of Organising Committee for

- [Concrete contributions to detecting market dominance in digital sectors](#) Invitation only 2-day virtual workshop. Guest speakers: Helena Malikova (co-chair), Stéphanie Yon-Courtin, MEP rapporteur on competition, Thomas Philippon, NYU Stern School, Cory Doctorow, journalist, Agustin Reyna, Bureau Européen des Unions de Consommateurs (BEUC), Diana Moss, American Antitrust Institute. 1–2 June 2021.
- Chair and co-host (on behalf Centre for Digital Governance) with the Berlin British Embassy, [Responsible Use of Algorithms in the Public Sector](#), Berlin launch of the [UK CDEI's Review into Bias in Algorithmic Decision-Making](#), with Frances Wood, Lara MacDonald Roger Taylor, Julia Gundlach, and Judith Peterka, 'Hertie School', 21 April 2021.
- [The Impact of Anthropomorphism on Human Understanding of Intelligent Systems](#), (co-chair with Jen Haensel and Rob Wortham), panel 'at' The Annual Convention, Society for the Study of Artificial Intelligence and the Simulation of Behaviour (AISB) 2021, theme: *Communication and conversation*.
- The Annual Convention, Society for the Study of Artificial Intelligence and the Simulation of Behaviour (AISB) 2017, theme: *Society with AI*.
- *The Machine Question: AI, Ethics, and Moral Responsibility*, Symposium at *AISB / IACAP World Congress 2012—Alan Turing 2012*, Birmingham UK;
- The Third Southwest Regional Meeting on Mathematics, Computation and Biology (2007, Bath)
- Modelling Natural Action Selection (International stand-alone workshop co-located *IJCAI 2005*, Edinburgh).

Organising Committee for *Understanding AI & Us* (Stand-alone international transdisciplinary workshop 2018, in Berlin, funded by Volkswagen Foundation); *Appropriateness and Feasibility of Legal Personhood for Autonomous and Artificially Intelligent Agents* an international workshop at Princeton CITP (with Bendert Zevenbergen (chair) and Ed Felton), *The Principles of Robotics—Five Years On*, Symposium at AISB 2016, Sheffield; *Ethical and Moral Considerations in Nonhuman Agents*, AAAI Spring Symposium 2016, Stanford;

Advisory board for [Patterns](#), and [AI Perspectives](#).

Associate Editor for *Adaptive Behavior* (2002–*present*); Editorial board for *Connection Science* (2014–*present*), *AI & Society* (2013–*present*), *The International Journal of Synthetic Emotions* (2008–*present*), *Journal of Mind Theory* (2008–2010), *Web Intelligence and Agent Systems* (2002–2004).

Additional journal reviews for: Animal Behaviour; Artificial Intelligence (AIJ); Artificial General Intelligence; Behavior; Biological Theory; Ecological Modelling; Ethics and Information Technology; Evolution and Human Behaviour; Information Sciences; IEEE Intelligent Systems, IEEE Systems, Man and Cybernetics, B; IEEE Transactions on Affective Computing; IEEE Transactions on Evolutionary Computation; IEEE Transactions on Robotics; Interaction Studies; Journal of Artificial Societies and Social Simulation; Journal of the Royal Society Interfaces; Knowledge-Based Systems; Nature: Human Behaviour; Nature: Machine Intelligence; Neurocomputing; NeuroImage; Procedia Computer Science; Proceedings of the Royal Society, B: Biological Sciences; PLoS Computational Biology; PLoS ONE; Policy and Society; Science Advances; Topics in Cognitive Science (topiCS); World Affairs.

Program or Scientific Committee for: IJCAI 2017 (Senior Program Committee for Special Track on AI and Autonomy), AAAI (2017), Fairness, Accountability, and Transparency on the World Wide Web (FAT/WEB 2017), WWW 2017 Workshop on the Sociotechnical and Ethical Impacts of Online Web Services (2017), Ethics for Artificial Intelligence (at IJCAI 2016); ECAI (2016); FLAIRS-28 Special Track on Autonomous Robots and Agents (2015); Advances in Cognitive Systems

(ACS, 2015, 2013); AAMAS (2017, Challenges and Visions track, 2014); IACAP 2014; Philosophical Theory and AI 2013; TAROS 2012; SocialCom 2012; CMCV 2011; The International Joint Conference on Artificial Intelligence (IJCAI 2009,2011); Artificial Life XI (2008) and XV (2016); IEEE Congress on Evolutionary Computation, special session on Evolutionary Robotics (2009); Intelligent Virtual Agents 3–7 (2001, 2003, 2005, 2006, 2007); Simulation of Adaptive Behavior 7–11 (2002, 2004, 2006, 2008, 2010); IEEE CEC 2009 Special Session on Evolutionary Robotics; Learning and Adaptive Behavior in Robotic Systems (LAB-RS 2008); Agent cognitive ability and orders of emergence (at AISB 2008); Attention in Cognitive Systems (at IJCAI 2007); Modular Construction of Human-Like Intelligence (at AAI 2005); Toward Social Mechanisms of Android Science (at Cognitive Science 2005); Socially Inspired Computing (at AISB 2005); Motivational and Emotional Roots of Cognition and Action (at AISB 2005); Autonomous Agents and Multi-Agent Systems 4 (2005); Robotics and Neurobiology (at IWINAC 2005); Intelligent Agent Technology, 2003, 2004; Niche Autonomous Robots (at The 14<sup>th</sup> International FLAIRS Conference), 2001; Autonomy Control: Lessons from the Emotional (at the 15<sup>th</sup> European Meeting on Cybernetics and Systems Research), 2000.

Additional Reviews for: Evolution of Language (2008, 2010); Cognitive Science (2000, 2004–7, 2009); Neural Computation and Psychology 9 (2004); Imitation in Animals and Artifacts 3 (at AISB 2005); International Workshop on Biologically-Inspired Machine Learning (1999), AAI (1994), CogSci (2017).

Member of The Society for the Study of Artificial Intelligence and the Simulation of Adaptive Behaviour (1996–*present*), Cognitive Science (1998–*present*, off and on), The European Social Simulation Association (2003–*present*), Association for the Study of Animal Behaviour (2004–*present*), The International Primatological Society (2007–2009), The European Human Behavior & Evolution Association (2008–*present*).

Invited member of the EPSRC Biologically-Inspired Robotics Network (BIRO-net, 2003–2006), the European Network for the Advancement of Artificial Cognitive Systems (euCognition I–III, 2006–2014); the European Science Foundation Network for The Evolution of Social Cognition (CompCog, 2008–2011); the EPSRC Research Network on AI and Games Technology (2007–2012), the RCUK Digital Economy network+ for Sustainable Society (2012–*present*), the RCUK Digital Economy network+ for Communities & Culture (2012–*present*), the AHRC Memory Network (2012–2015).

Moderator of the international mailing list autonomous-robots October 1997–June 2001.

Discussant

- For the panel [Polarization, Elites and Ideologies](#), European Political Science Association annual meeting, Prague, 23–25 June 2022.

## Major Research Grants

- 2019–2027 [UKRI Centre for Doctoral Training in Accountable, Responsible and Transparent AI \(ART-AI\)](#), CI in charge of Outreach and Public Engagement (Eamonn O’Neill PI). Centre derives from my research programme and I arranged many of the partners, including the UK’s Financial Conduct Authority, the Church of England, Google, Deep Mind, and Microsoft. UKRI has asked that exact funding levels not be announced, but combined with partner and university contributions the initial investment is about £10,000,000.
- 2017–2023 *AXA Research Fund Award: Responsible Artificial Intelligence* One of three recipients awarded globally, topic of philanthropic effort is changed annually. Project title (co-developed after award): “The Limits of Transparency for Humanoid Robotics,”. One postdoc, one part-time administrator, two robots, €250,000. Initially three years, extended due to COVID.
- 2010–2011 *United States Air Force Office of Scientific Research* Air Force Material Command, USAF grant number FA8655-10-1-3050, “Understanding Cultural Variation in Antisocial Punishment”, with Benedikt Herrmann, co-author and co-PI. Two postdocs, two investigators, one part-time programmer, \$289,265.65.
- 2008 *euCognition* “Cognitive Systems Outreach through Book and Webpage” euCognition Network Action 044–3 (€46,220), and 2008 *euCognition* “Cognitive Systems Outreach through HE Curriculum” euCognition Network Action 0044–4 (€25,518). Two postdocs (one part time) for nine months, €71,738.
- 2005–2008, *The Engineering and Physical Sciences Research Council (EPSRC)*, Grant GR/S79299/01 (AIBACS), “The Impact of Durative Variable state on the Design and Control of Action Selection”. Emmanuel Tanguy, co-author and named researcher. One PhD student, one research assistant £127,328.
- 2001–2002, *US National Science Foundation* Grant EIA-0132707, “Primate-Inspired Specialized Learning in an Agent Architecture: Safe, Robust, Adaptive Action Selection”, with Marc D. Hauser co-author and PI. One research assistant (self), \$79,215.

## Other Funding

- 2016–2017 *Princeton University Center for Human Values*, “Game Technology as an Intervention for Public Understanding of Sociality”, CI and principle author, with Alin Coman (Princeton) **PI**, and Mark Riedl (Georgia Tech) also CI. (US\$32,000).
- 2010–2015 *Czech Science Foundation* “PlanEx: Bridging Planning and Execution”, Roman Barták **PI**, Cyril Brom and Pavel Surynek co-PIs, Bryson named as an “International Co-operator”, (Kč4,355,000).
- 2010 *EPSRC* Vacation Bursary, “Dynamic planning for teachable robotics”, Kingsely Jarrett, named researcher (One undergraduate student for ten weeks, £2500).
- 2006 *euCognition* “Action Selection for Cognitive Systems”, (a network action travel grant that brought Cyril Brom to Bath from Charles University, Prague, €1,300).
- 2005–2006 *Boeing Aerospace*, “Development of Graphical IDE for pyPOSH”, (contract for programming and six months support, \$15,000).
- 2005 *The Nuffield Foundation* Undergraduate Research Bursary, “Understanding the Adaptive Advantage to Costly Communication”. Avri Bilovich, named researcher. (One undergraduate student for six weeks, £940).
- 2005 *Biotechnology and Biological Sciences Research Council (BBSRC)*, Conference funding for “Modelling Natural Action Selection”. Workshop coorganized with Tony Prescott, Anil Seth (£2500).
- 2005–2006, *British Council Alliance: Franco-British Partnership Programme*, “Origins of Egalitarianism: Improving our understanding primate society through modelling two organizational norms for various species of Macaque”, with Bernard Thierry, Centre d’Ecologie et Physiologie Energétiques) (Travel only, £800).

## Journal Articles and Reviewed Commentary

- Joanna J. Bryson, "Governing society with flexible AI" *Science* **383**(6688):1185, 2024.
- Jugl, Marlene, William AM Pagel, Maria Camilla Garcia Jimenez, Jean Pierre Salendres, Will Lowe, Helena Malikova, and Joanna J. Bryson (2024) "Spamming the regulator: exploring a new lobbying strategy in EU competition procedures" *Journal of Antitrust Enforcement* 12(1):7–28.
- Joanna J. Bryson, "Human Experience and AI Regulation: What European Union Law Brings to Digital Technology Ethics." *Weizenbaum Journal of the Digital Society* **3**(3), 2023.
- David Backovsky and Joanna J. Bryson, "Going Nuclear? Precedents and Options for the Transnational Governance of Artificial Intelligence", *Horizons*, (24), Summer 2023.
- Katie D. Evans, Scott A. Robbins, and Joanna J. Bryson. "Do We Collaborate With What We Design?" *Topics in Cognitive Science*, online first, August 2023.
- Meeri Haataja and Joanna J. Bryson, "The European Parliament's AI Regulation: Should We Call It Progress?" *Amicus Curiae*, 4(3), 707–718, 2023.
- Baum, Kevin, Joanna Bryson, Frank Dignum, Virginia Dignum, Marko Grobelnik, Holger Hoos, Morten Irgens et al. "From Fear to Action: AI Governance and Opportunities for All," opinion, *Frontiers in Computer Science* 5: 2023.
- Bryson, Joanna J. 2022. "The (Most) Algorithmic Animal: Unknowable Causal Structures in the Information Age," commentary on Harvey Whitehouse. *Journal for the Cognitive Science of Religion* **8** (2):115–121.
- Meeri Haataja and Joanna J. Bryson, "Reflections on the EU's AI Act and How We Could Make It Even Better," *CPI TechREG Chronicle*, 14 March, 2022.
- Elise Racine and Joanna J. Bryson, "Epidemic Modeling as a Means to Reimagine Health Education and Policy Post-COVID", *Health Education* **122**(1):18. 1 March 2022.
- Joanna J Bryson and Helena Malikova, "Is There an AI Cold War?" *Global Perspectives*, **2**(1):24803, 28 June 2021.
- Alexander J. Stewart, Nolan McCarty, and Joanna J. Bryson. "Polarization under rising inequality and economic decline." *Science Advances*, 6 (50): eabd4201; 2020.
- Robert H. Wortham, Swen E. Gaudl, and Joanna J. Bryson. "Instinct: A biologically inspired reactive planner for intelligent embedded systems." *Cognitive Systems Research* **57**:207–215; 2019.
- Paul Rauwolf and Joanna J Bryson "Expectations of Fairness and Trust Co-Evolve in Environments of Partial Information", *Dynamic Games and Applications*, **8**(4):891–917 2018.
- Swen E. Gaudl and Joanna J. Bryson, "The extended ramp model: A biomimetic model of behaviour arbitration for lightweight cognitive architectures", *Cognitive Systems Research*, **50**:1–9, August 2018.
- Joanna J. Bryson, "Patience Is Not a Virtue: The Design of Intelligent Systems and Systems of Ethics", *Ethics and Information Technology*, **20**(1):15–26, 2018.
- Joanna J. Bryson, Michailis E. Diamantis, and Thomas D. Grant "Of, for, and by the people: the legal lacuna of synthetic persons", *Artificial Intelligence and Law*, **25**(3):273–291, 2017.
- Aylin Caliskan, Joanna J. Bryson, and Arvind Narayanan, "Semantics derived automatically from language corpora contain human biases". *Science* **356** (6334):183-186, 14 April 2017.
- Andreas Theodorou, Robert H Wortham, and Joanna J Bryson, "Designing and implementing transparency for real time inspection of autonomous robots", *Connection Science*, **29**(3):230–241, 2017.
- Joanna J. Bryson and Alan F. T. Winfield, "Standardizing Ethical Design for Artificial Intelligence and Autonomous Systems", *IEEE Computer* **50**(5):116-119, 2017.
- Joanna J. Bryson "The Meaning of the EPSRC Principles of Robotics", *Connection Science*, **29**(2):130-136, 2017
- Dominic Mitchell, Joanna J. Bryson, Paul Rauwolf, and Gordon P. D. Ingram, "On the reliability of unreliable information: Gossip as cultural memory", *Interaction Studies*, **17**(1):1–25, 2016.

- Bidan Huang, Miao Li, Ravin Luis De Souza, Joanna J. Bryson, and Aude Billard, “A modular approach to learning manipulation strategies from human demonstration”, *Autonomous Robots*, **40**(5):903–927 June 2016.
- Paul Rauwolf, Dominic Mitchell and Joanna J. Bryson, “Value Homophily Benefits Cooperation but Motivates Employing Incorrect Social Information”, *Journal of Theoretical Biology*, **367**:246–261, February 2015.
- Daniel J. Taylor and Joanna J. Bryson, “Replicators, Lineages and Interactors”, *Behavioural and Brain Sciences*, **37**(03):276–277, 2014. Commentary on Smaldino, “The Cultural Evolution of Emergent Group-Level Traits”.
- Jekaterina Novikova, Leonn Watts and Joanna J. Bryson, “The Role of Emotions in Inter-Action Selection”, commentary on Faragó et al. “Social behaviours in dog-owner interactions can serve as a model for designing social robots”, *Interaction Studies*, **15**(2):216–223.
- Karolina Sylwester, Benedikt Herrmann and Joanna J. Bryson, “*Homo homini lupus?* Anti-social punishment revisited”, *Journal of Neuroscience, Psychology, and Economics*, **6**(3):167–188, 2013.
- Simon T. Powers, Daniel J. Taylor and Joanna J. Bryson, “Punishment can promote defection in group-structured populations”, *The Journal of Theoretical Biology*, **311**:107–116, 2012.
- Harvey Whitehouse, Ken Kahn, Michael E. Hochberg and Joanna J. Bryson, “The role for simulations in theory construction for the social sciences: Case studies concerning Divergent Modes of Religiosity”, *Religion, Brain & Behavior*, **2**(3):182–201, 2012.
- Harvey Whitehouse, Ken Kahn, Michael E. Hochberg and Joanna J. Bryson, “From the imaginary to the real: The back and forth between reality and simulation”, *Religion, Brain & Behavior*, **2**(3):219–224, 2012, response to commentaries.
- Joanna J. Bryson “A role for consciousness in action selection”, *International Journal of Machine Consciousness* **4** (2):471–482, 2012.
- Philipp Rohlfshagen and Joanna J. Bryson, “Flexible Latching: A Biologically-Inspired Mechanism for Improving the Management of Homeostatic Goals”, *Cognitive Computation*, **2**(3):230–241, 2010.
- Joanna J. Bryson “Why Robot Nannies Probably Won’t Do Much Psychological Damage”, reviewed commentary on Sharkey and Sharkey, “The crying shame of robot nannies: an ethical appraisal”, *Interaction Studies*, **11**(2):196–200, June 2010.
- Joanna J. Bryson and Emmanuel A. R. Tanguy “Simplifying the Design of Human-Like Behaviour: Emotions as Durative Dynamic State for Action Selection”, *International Journal of Synthetic Emotions*, **1**(1):30–50, January 2010.
- Joanna J. Bryson “Building Persons is a Choice”, invited and reviewed commentary on Foerst, “Robots and Theology”, *Erwägen Wissen Ethik*, **20**(2):195–197, November 2009.
- Joanna J. Bryson “Representations Underlying Social Learning and Cultural Evolution” *Interaction Studies*, **10**(1):77–100, March 2009.
- Joanna J. Bryson “Embodiment versus Memetics”, *Mind & Society*, **7**(1):77–94, June 2008.
- Joanna J. Bryson, Yasushi Ando and Hagen Lehmann, “Agent-based modelling as scientific method: a case study analysing primate social behaviour”, *Philosophical Transactions of the Royal Society, B — Biology*, **362**(1485):1685–1698, September 2007.
- Mark A. Wood and Joanna J. Bryson, “Skill Acquisition Through Program-Level Imitation in a Real-Time Domain”, *IEEE Transactions on Systems, Man and Cybernetics Part B—Cybernetics*, **37**(2):272–285, April 2007.
- Joanna J. Bryson and Jonathan C. S. Leong “Primate Errors in Transitive ‘Inference’” *Animal Cognition*, **10**(1):1–15, January 2007.
- Emmanuel Tanguy, Philip Willis and Joanna J. Bryson “A Dynamic Emotion Representation Model Within a Facial Animation System”, *The International Journal of Humanoid Robotics*, **3**(3):293–300, 2006.
- Joanna J. Bryson, “The Attentional Spotlight”, *Minds and Machines*, **16**(1):21–28, September 2006.

- Joanna J. Bryson, “Funding: Income is already dependent on outcome”, correspondence about a British funding controversy, *Nature*, **441**:690 8 June, 2006.
- Joanna J. Bryson, “Language Isn’t Quite *That* Special”, commentary on Carruthers, “The cognitive functions of language”, *Behavioral and Brain Sciences* **25** (6): 679–680, 2002.
- Joanna J. Bryson, David Martin, Sheila I. McIlraith and Lynn Andrea Stein “Toward Behavioral Intelligence in the Semantic Web” in *IEEE Computer* **35**(11): 48–54, 2002.
- Joanna J. Bryson, “Intelligent Control Requires More Structure than the Theory of Event Coding Provides”, commentary on Hommel et al. “The Theory of Event Coding: A Framework for Perception and Action Planning”, *Behavioral and Brain Sciences*, **24**(5): 878–879, 2001.
- Joanna J. Bryson and Kristinn R. Thórisson, “Dragons, Bats & Evil Knights: A Three-Layer Design Approach to Character-Based Creative Play”, *Virtual Reality*, **5**(2): 57–71, 2000.
- Joanna J. Bryson, “Cross-Paradigm Analysis of Autonomous Agent Architecture”, *Journal of Experimental and Theoretical Artificial Intelligence* **12**(2):165–190, 2000.
- Joanna J. Bryson and Will Lowe, “Cognition without Representational Redescription”, commentary on Ballard, Hayhoe, Pook and Rao, “Deictic Codes for the Embodiment of Cognition”, *Behavioral and Brain Sciences*, **20**(4):743–744, 1997.

### Edited Books, Proceedings, and Special Issues

- Joanna J. Bryson, Marina De Vos, and Julian Padget (eds.) *Society with AI: Proceedings of the Annual Convention of the Society for the Study of Artificial Intelligence and the Simulation of Behaviour (AISB)*. AISB is the oldest regular conference on AI, having been founded in Edinburgh in 1964.
- David Gunkel and Joanna J. Bryson (eds.) “Introduction to the Special Issue on Machine Morality: The Machine as Moral Agent and Patient, *Philosophy & Technology*, **27**(1):5–8, March 2014.
- David Gunkel, Steve Torrance and Joanna J. Bryson (eds.) *The Machine Question: AI, Ethics and Moral Responsibility*, AISB, Birmingham, UK, 2012.
- Anil K. Seth, Tony J. Prescott, and Joanna J. Bryson (eds.), *Modelling Natural Action Selection*, Cambridge University Press, November, 2011.
- Tony J. Prescott, Joanna J. Bryson, and Anil K. Seth (eds.), “Introduction. Modelling Natural Action Selection”, *Philosophical Transactions of the Royal Society B* **362**(1485):1521–1529, Sept 2007.
- Ivana Čače and Joanna J. Bryson (eds.), *Interdisciplinary Description of Complex Systems* **5**(2), “Theme Issue on Poverty and Human Development”, October 2007.
- Joanna J. Bryson (ed.), “Mechanisms of Action Selection: Introduction to the Special Issue.”, *Adaptive Behavior* **10**(1):5–8, January 2007.
- Joanna J. Bryson, Tony J. Prescott and Anil K. Seth (eds.), *Modelling Natural Action Selection: Proceedings of an International Workshop*, AISB, Edinburgh UK, 2005.

### Commissioned Academic or Policy Reports, Invited Book Chapters, and Encyclopædia Articles

- Joanna J. Bryson, [Belgian and Flemish Policy Makers’ Guide to AI Regulation](#), 4 page ‘vision paper’ commissioned as part of the Knowledge Center Data & Society, CiTiP (Leuven) Fellow Lectures Series: *Towards an AI Regulator?* 11 October 2022.
- Mark Dempsey, Keegan McBride, Meeri Haataja, and Joanna J. Bryson “[Transnational digital governance and its impact on artificial intelligence](#),” *Oxford Handbook of AI Governance*, Oxford University Press, volume forthcoming, article published online since 14 May 2022.
- Holly Wilson, Paul Rauwolf, and Joanna J. Bryson, “Evolutionary Psychology and Artificial Intelligence: The Impact of Artificial Intelligence on Human Behaviour,” Shackelford, T. (Ed.), *The SAGE Handbook of Evolutionary Psychology*, pp. 333–351, March 2021.
- Joanna J. Bryson, “The Artificial Intelligence of the Ethics of Artificial Intelligence: An Introductory Overview for Law and Regulation” in M. Dubber, F. Pasquale, & S. Das (Eds.), *The Oxford Handbook of Ethics of Artificial Intelligence*, Oxford University Press. 1:3–23. July 2020.

- Section chair and participating coauthor, [Ethically Aligned Design: A Vision for Prioritizing Human Well-being with Autonomous and Intelligent Systems, First Edition \(EAD1e\)](#), written by the IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems, a “crowd-sourced global treatise.” March 2019.
- Joanna J. Bryson, “How do we hold AI itself accountable? We can’t” in [Ethics & Tech 2019: \(re\)building trust in technology](#) (pdf), Optic Humain Technology, Paris, January 2019.
- Joanna J. Bryson, [The Past Decade and Future of AI’s Impact on Society](#), in *Towards a New Enlightenment? A Transcendent Decade*, pp. 127–159; OpenMind BBVA, Madrid, Spain, 2019. Based on an earlier (2017) white paper commissioned by the OECD (Karine Perset), “Current and Potential Impacts of Artificial Intelligence and Autonomous Systems on Society” (30 pages.)
- Miles Brundage, Shahar Avin, Jack Clark, Helen Toner, Peter Eckersley, Ben Garfinkel, Allan Dafoe, Paul Scharre, Thomas Zeitzoff, Bobby Filar, Hyrum Anderson, Heather Roff, Gregory C. Allen, Jacob Steinhardt, Carrick Flynn, Seán Ó hÉigeartaigh, Simon Beard, Haydn Belfield, Sebastian Farquhar, Clare Lyle, Rebecca Crootof, Owain Evans, Michael Page, Joanna Bryson, Roman Yamolskiy, and Dario Amodei, [The Malicious Use of Artificial Intelligence: Forecasting, Prevention, and Mitigation](#) Technical Report jointly published by the Future of Humanity Institute, University of Oxford, Centre for the Study of Existential Risk, University of Cambridge, Center for a New American Security, Electronic Frontier Foundation, and OpenAI. February 2018.
- Wortham, Robert H. and Joanna J. Bryson, “Communication.” In *Living Machines* Prescott, Lepora and Verschure (eds.), Oxford University Press, 2018.
- Gallagher, Elizabeth M., and Joanna J. Bryson. “Agent-based Modelling.” In *Encyclopedia of Animal Cognition and Behavior*, Springer, 2017.
- Anil K. Seth and Joanna J. Bryson, “Natural Action Selection, Modeling”, in *Encyclopedia of the Mind*, H. Pashler (ed.), Sage, January 2013.

### Reviewed Archival Conference Papers and Book Chapters

- Heinrich Mellmann, Polina Arbutova, Dimosthenis Kontogiorgos, Magdalena Yordanova, Jennifer X. Haensel, Verena V. Hafner, and Joanna J. Bryson. "Effects of Transparency in Humanoid Robots: A Pilot Study." In Companion of the 2024 ACM/IEEE International Conference on Human-Robot Interaction, pp. 750–754. 2024.
- Keegan McBride, Maximilian Kupi, and Joanna J. Bryson (2021). Untangling Agile Government: On the Dual Necessities of Structure and Agility. In *Agile Government: Concepts and Practice for Future-Proof Public Administration*, Stephens, M., Awamleh, R., Salem, F. (eds), World Scientific, Chapter 2. pp. 23–34, May 2022.
- Andreas Theodorou, Bryn Bandt-Law, Joanna J. Bryson, “The Sustainability Game: AI Technology as an Intervention for Public Understanding of Cooperative Investment,” *IEEE Conference on Games*, Queen Mary University of London, August 2019.
- Alexandros Rotsidis, Andreas Theodorou, Joanna J. Bryson, and Robert H. Wortham. “Improving robot transparency: An investigation with mobile augmented reality.” In 28<sup>th</sup> *IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)*, New Delhi. August 2019.
- Joanna J. Bryson and Andreas Theodorou, “How Society Can Maintain Human-Centric Artificial Intelligence” Solicited and reviewed chapter (title given) in *Human-Centered Digitalization and Services*, Marja Toivonen-Noroand Eveliina Saari (eds.), Springer, pp. 305–323 Springer, Berlin 2019.
- Wortham, Robert H., Andreas Theodorou and Joanna J. Bryson “Improving Robot Transparency: Real-Time Visualisation of Robot AI Substantially Improves Understanding in Naive Observers”, *26th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)*. Lisbon, Portugal, August 2017.
- Wortham, Robert, Andreas Theodorou, and Joanna J. Bryson. “Robot Transparency: Improving Understanding of Intelligent Behaviour for Designers and Users.” *Towards Autonomous Robotic Systems: Eighteenth Annual Conference (TAROS)* Gao, Fallah, Jin, and Lekakou (eds.) pp. 274–289, Springer, Berlin, 2017.

- Wortham, Robert H., and Joanna J. Bryson. "A role for action selection in consciousness: an investigation of a second-order Darwinian mind." In *CEUR Workshop Proceedings: EUCognition Cognitive Robot Architectures*, vol. 1855, pp. 25–30. 2016.
- Bryson, Joanna J. "The Confabulation of Self." In *Memory in the Twenty-First Century*, S. Groes (ed.), pp. 334–337. Palgrave Macmillan, London, 2016.
- Bryson, Joanna J. "Simulation and the Evolution of Thought." *Memory in the Twenty-First Century*, S. Groes (ed.), pp. 205–207, Palgrave Macmillan, London, 2016.
- Joanna J. Bryson and Paul Rauwolf, "Trust, Communication, and Inequality", *Proceedings of the Thirty-Eighth Annual Conference of the Cognitive Science Society (CogSci)*, Philadelphia, PA, 10–13 August, 2016.
- Rob H. Wortham, Andreas Theodorou, Joanna J. Bryson, "What Does the Robot Think? Transparency as a Fundamental Design Requirement for Intelligent Systems" *IJCAI-2016 Ethics for Artificial Intelligence Workshop*, New York, NY, 6 July, 2016.
- Robert Wortham, Swen Gaudl and Joanna J. Bryson, "Instinct: A Biologically Inspired Reactive Planner for Embedded Environments", *ICAPS Workshop on Planning and Robotics (PlanRob 2016)*, London, UK, June 13–14, 2016.
- "Patience Is Not a Virtue: AI and the Design of Ethical Systems", *Ethical and Moral Considerations in Nonhuman Agents*, AAAI Spring Symposium; Indurkha & Stojanov (eds), Stanford, 21–23 March 2016.
- Joanna J. Bryson, "Artificial Intelligence and Pro-Social Behaviour", *Collective Agency and Cooperation in Natural and Artificial Systems*, Catrin Misselhorn (ed.), pp. 281–306, Springer, 2015.
- Swen Gaudl, Joseph Osborn, and Joanna J. Bryson, "Learning from Play: Facilitating character design through genetic programming and human mimicry", *17th Portuguese Conference on Artificial Intelligence (EPIA-2015)*, Coimbra, September 2015.
- Yifei Wang, Yinghong Lan, Daniel M. Weinreich, Nicholas K. Priest and Joanna J. Bryson, "Recombination Facilitates Fitness Optimisation Despite Substantial Fitness Costs in the Evolution of Artificial Gene Regulatory Network", *European Conference on Artificial Life*, York, July 2015.
- Joanna J. Bryson, James Mitchell, Simon T. Powers and Karolina Sylwester, "Explaining Cultural Variation in Public Goods Games", *Applied Evolutionary Anthropology: Darwinian Approaches to Contemporary World Issues*, M. A. Gibson and D. W. Lawson, (eds.), pp. 201–223, Springer, 2014.
- Yifei Wang, Stephen G. Matthews and Joanna J. Bryson, "Evolving Evolvability in the Context of Environmental Change: A Gene Regulatory Network (GRN) Approach", *Artificial Life*, New York City, August 2014.
- Swen E. Gaudl and Joanna J. Bryson, "The Extended Ramp Goal Module : Low-Cost Behaviour Arbitration for Real-Time Controllers based on Biological Models of Dopamine Cells", *The IEEE Conference on Computational Intelligence and Games (CIG)*, Dortmund, August 2014.
- Jekaterina Novikova , Swen Gaudl, and Joanna Bryson, "Emotionally Driven Robot Control Architecture for Human-Robot Interaction", in *Towards Autonomous Robotic Systems 2013*, Ashutosh Natraj, Stephen Cameron, Chris Melhuish, Mark Witkowski (eds), Springer Lecture Notes in Computer Science, pp 261–263, June 2014.
- Joanna J. Bryson "The Role of Stability in Cultural Evolution: Innovation and Conformity in Implicit Knowledge Discovery", in *Perspectives on Culture and Agent-Based Simulations*, Virginia Dignum and Frank Dignum, (eds), pp. 169–187, Springer, Berlin, 2014.
- Bidan Huang, Joanna J. Bryson and Tetsunari Inaura, "Learning Motion Primitives of Object Manipulation Using Mimesis Model", *Robotics and Bioimetics (IEEE-ROBIO)*, pp. 1114–1119, December 2013.
- Eugene Y. Bann and Joanna J. Bryson "Measuring Cultural Relativity of Emotional Valence and Arousal using Semantic Clustering and Twitter", *Proceedings of the Thirty-Fifth Annual Conference of the Cognitive Science Society (CogSci)*, Berlin, August 2013, pp. 1809–1815.

- Swen Gaudl, Simon Davies and Joanna J. Bryson “Behaviour Oriented Design for Real-Time-Strategy Games: An Approach on Iterative Development for STARCRAFT AI”, *Foundations of Digital Games (FDG)*, Chania, Crete 14–17 May 2013.
- Bidan Huang, Sahar El-Khoury, Miao Li, Joanna J. Bryson and Aude Billard, “Learning a Real Time Grasping Strategy”, *IEEE International Conference on Robotics and Automation (ICRA)*, Karlsruhe, Germany 6–10 May 2013.
- Eugene Y. Bann and Joanna J. Bryson “The Conceptualisation of Emotion Qualia: Semantic Clustering of Emotional Tweets”, *Computational Models of Cognitive Processes: Proceedings of the 13<sup>th</sup> Neural Computation and Psychology Workshop (NCPW)*, J. Mayor and P. Gomez (eds), 2014, pp. 249–263.
- Joanna J. Bryson “Patience Is Not a Virtue: Suggestions for Co-Constructing an Ethical Framework Including Intelligent Artefacts”, in *The Machine Question: AI, Ethics and Moral Responsibility*, D. Gunkel, S. Torrance and J. J. Bryson (eds.), AISB, Birmingham, UK, 2012.
- Joanna J. Bryson “Structuring Intelligence: The Role of Hierarchy, Modularity and Learning in Generating Intelligent Behaviour”, in *The Complex Mind*, David McFarland, Keith Stenning and Margaret McGonigle (eds.), pp. 126–143, Palgrave MacMillan, 2012.
- Joanna J. Bryson and Philip P. Kime, “Just an Artifact: Why Machines are Perceived as Moral Agents”, *The Twenty-Second International Joint Conference on Artificial Intelligence (IJCAI)*, Barcelona, Spain, pp. 1641–1646, Morgan Kaufmann, 2011.
- Joanna J. Bryson, Yasushi Ando and Hagen Lehmann, “Agent-based models as scientific methodology: A case study analysing the DomWorld theory of primate social structure and female dominance,” in *Modelling Natural Action Selection*, Anil K. Seth, Tony J. Prescott, Joanna J. Bryson (eds.), pp. 427–453, Cambridge University Press, 2012.
- Gideon M. Gluckman and Joanna J. Bryson, “An Agent-Based Model of the Effects of a Primate Social Structure on the Speed of Natural Selection”, in *Evolutionary Computation and Multi-Agent Systems and Simulation (ECoMASS)*, Bill Rand and Forrest Stonedahl (eds.), Dublin 2011.
- Joanna J. Bryson “A Role for Consciousness in Action Selection”, in *Proceedings of the AISB 2011 Symposium: Machine Consciousness*, Ron Chrisley, Rob Clowes and Steve Torrance (eds.), York, April 2011.
- John Grey and Joanna J. Bryson “Procedural Quests: A Focus for Agent Interaction in Role-Playing-Games”, in *Proceedings of the AISB 2011 Symposium: AI & Games*, Daniela Romano and David Moffat, (eds.), York, April 2011.
- Jakub Gemrot, Cyril Brom, Joanna Bryson and Michal Bída, “How to compare usability of techniques for the specification of virtual agents behavior? An experimental pilot study with human subjects”, in *Proceedings of the AAMAS 2011 Workshop on the uses of Agents for Education, Games and Simulations*, Taipei, M. Beer, C. Brom, V-W Soo and F. Dignum (eds.) May 2011.
- Joanna J. Bryson “Crude, Cheesy, Second-Rate Consciousness”, in *From Brains to Systems: 2010 Conference on Brain-Inspired Cognitive Systems (BICS)*, 14pp, Madrid, 14–16 July 2010.
- Joanna J. Bryson, “Cultural Ratcheting Results Primarily from Semantic Compression”, in *Proceedings of the Evolution of Language 2010*, A. D. M. Smith, M. Schouwstra, B. de Boer and K. Smith (eds.), World Scientific, pp. 50–57, Utrecht, April 2010.
- Joanna J. Bryson, “Robots Should Be Slaves”, in *Close Engagements with Artificial Companions: Key social, psychological, ethical and design issues*, Yorick Wilks (ed.), pp. 63–74, John Benjamins, Amsterdam, 2010.
- Joanna J. Bryson and Petra Kaczensky, “Exploring Knowledge Dissemination as a Selective Force for Aggregation: Preliminary Results from Modelling Wild Asiatic Asses”, Simon Powers (ed.), *Levels of Selection and Individuality in Evolution: Conceptual Issues and the Role of Artificial Life Models*, a workshop at The Tenth European Conference on Artificial Life (ECAL ’09), Budapest, 14 September 2009.
- Joanna J. Bryson, “Age-Related Inhibition and Learning Effects: Evidence from Transitive Performance”, in *Proceedings of the 31<sup>st</sup> Annual Meeting of the Cognitive Science Society (CogSci 2009)* pp. 3040–3045, July 2009.

- Joanna J. Bryson, “Crude, Cheesy, Second-Rate Consciousness”, *The Second AISB Symposium Computing and Philosophy*, Mark Bishop (ed), pp. 10–15, Edinburgh UK, April 2009.
- Avri Bilovich and Joanna J. Bryson, “Detecting the Evolution of Semantics and Individual Beliefs Through Statistical Analysis of Language Use”, *Proceedings of the Fall AAAI Symposium on Naturally-Inspired Artificial Intelligence*, J. Beal, P. Bello, N. Cassimatis, M. Coen and P. Winston (eds), pp. 21–26, Washington DC, October 2008.
- Joanna J. Bryson, “The Role of Modularity in Stabilizing Cultural Evolution: Conformity and Innovation in an Agent-Based Model”, *Proceedings of the Fall AAAI Symposium on Adaptive Agents in Cultural Contexts (AACC '08)*, A. Davis and J. Ludwig (eds), pp. 8–17, Arlington VA, October 2008.
- Philipp Rohlfshagen and Joanna J. Bryson, “Improved Animal-Like Maintenance of Homeostatic Goals via Flexible Latching”, *Proceedings of the AAAI Fall Symposium on Biologically Inspired Cognitive Architectures*, A. Samsonovich (ed), pp. 153–160, Arlington VA, October 2008.
- Joanna J. Bryson, “The Impact of Durative State on Action Selection”, *Proceedings of the AAAI Spring Symposium on Emotion, Personality, and Social Behavior*, I. Horswill, E. Hudlicka, C. Lisetti and J. Velasquez (eds), pp. 2–9 March 2008.
- Steven Butler and Joanna J. Bryson “Effects of Mass Media and Opinion Exchange on Extremist Group Formation”, in *The Proceedings of the Fourth Conference of the European Social Simulation Society (ESSA '07)*, Toulouse, France, pp. 455–465 2007.
- Joanna J. Bryson, “Representational Requirements for Evolving Cultural Evolution”, invited and reviewed target article (and responses) in *interdisciplines' Web conference, Adaptation and Representation 28 May 2007*.
- Emmanuel Tanguy, Philip Willis and Joanna J. Bryson, “Emotions as Durative Dynamic State for Action Selection”, in *The Twentieth International Joint Conference on Artificial Intelligence (IJCAI)*, Hyderabad, India, pp. 1537–1542, Morgan Kaufmann 2007.
- Mark A. Wood and Joanna J. Bryson, “Representations for Learning Action Selection from Real-Time Observation of Task Experts”, in *The Twentieth International Joint Conference on Artificial Intelligence (IJCAI)*, Hyderabad, India, pp. 641–646, Morgan Kaufmann 2007.
- Cyril Brom, Jakub Gemrot, Michal Bída, Ondrej Burkert, Sam J. Partington and Joanna J. Bryson, “POSH Tools for Game Agent Development by Students and Non-Programmers”, in *The Ninth International Computer Games Conference: AI, Mobile, Educational and Serious Games*, Dublin, Ireland, pp. 126–133, University of Wolverhampton 2006.
- Ivana Čače and Joanna J. Bryson, “Agent Based Modelling of Communication Costs: Why Information can be Free”, in *Emergence and Evolution of Linguistic Communication* C. Lyon, C. L. Nehaniv and A. Cangelosi, eds., pp. 305–322, Springer 2007.
- Joanna J. Bryson, Tristan J. Caulfield and Jan Drugowitsch, “Integrating Life-Like Action Selection into Cycle-Based Agent Simulation Environments”, in *Proceedings of Agent 2005: Generative Social Processes, Models, and Mechanisms*, Michael North, David L. Sallach and Charles Macal eds., pp. 67–81, Argonne National Laboratory 2006.
- Samuel J. Partington and Joanna J. Bryson, “The Behavior Oriented Design of an Unreal Tournament Character”, *The Fifth International Working Conference on Intelligent Virtual Agents*, T. Panayiotopoulos, J. Gratch, R. Aylett, D. Ballin, P. Olivier and T. Rist, eds., pp. 466–477, Springer, 2005.
- Paula M. Ellis and Joanna J. Bryson, “The Significance of Textures for Affective Interfaces”, *The Fifth International Working Conference on Intelligent Virtual Agents*, T. Panayiotopoulos, J. Gratch, R. Aylett, D. Ballin, P. Olivier and T. Rist, eds., pp. 394–404, Springer, 2005.
- Hagen Lehmann, JingJing Wang and Joanna J. Bryson, “Tolerance and Sexual Attraction in Despotic Societies: A Replication and Analysis of Hemelrijk (2002)”, in *Modelling Natural Action Selection: Proceedings of an International Workshop*, J. J. Bryson, T. J. Prescott and A. K. Seth, eds., pp. 135–142, AISB, Sussex UK, 2005.

- Joanna J. Bryson and Mark A. Wood, “Learning Discretely: Behaviour and Organisation in Social Learning”, in *Third International Symposium on Imitation in Animals and Artifacts*, Y. Demiris ed., pp. 30–37, AISB, 2005.
- Ivana Čaće and Joanna J. Bryson, “Why Information can be Free”, in *Second International Symposium on the Emergence and Evolution of Linguistic Communication (EELC’05)*, A. Cangelosi and C. L. Nehaniv eds. pp. 17–22, AISB, 2005.
- Joanna J. Bryson, “Modularity and Specialized Learning: Reexamining Behavior-Based Artificial Intelligence”, in *The Proceedings of The Third International Conference on Development and Learning (ICDL’04): Developing Social Brains*, J. Triesch and T. Jebara, eds., pp. 309–316, UCSD Institute for Neural Computation, 2004.
- Joanna J. Bryson, “Evidence of Modularity from Primate Errors during Task Learning”, in *The Ninth Neural Computation and Psychology Workshop (NCPW9)*, A. Cangelosi, G. Bugmann and R. Borisjuk eds., pp. 301–310, World Scientific, 2005.
- Joanna J. Bryson, “Action Selection and Individuation in Agent Based Modelling”, in *Proceedings of Agent 2003: Challenges of Social Simulation*, David L. Sallach and Charles Macal eds., pp. 317–330, Argonne National Laboratory, 2003.
- Joanna J. Bryson, “Modular Representations of Cognitive Phenomena in AI, Psychology and Neuroscience”, in *Visions of Mind*, Darryl Davis ed., pp. 66–89, Idea Group, London, 2005.
- Bruce Edmonds and Joanna J. Bryson, “The Insufficiency of Formal Design Methods — The Necessity of an Experimental Approach for the Understanding and Control of Complex MAS.”, *The Third International Joint Conference on Autonomous Agents and Multi Agent Systems (AAMAS 2004)*, pp. 936–943.
- Mark Wood, Jonathan C. S. Leong and Joanna J. Bryson, “ACT-R is almost a Model of Primate Task Learning: Experiments in Modelling Transitive Inference”, in *Proceedings of the 26<sup>th</sup> Annual Meeting of the Cognitive Science Society (CogSci 2004)*, pp. 1470–1475.
- Emmanuel Tanguy, Philip Willis and Joanna J. Bryson, “A Layered Dynamic Emotion Representation for the Creation of Complex Facial Expressions”, *Intelligent Virtual Agents 2003*, pp. 101–105. Springer, 2003.
- Joanna J. Bryson “The Behavior-Oriented Design of Modular Agent Intelligence”, *Agent Technologies, Infrastructures, Tools, and Applications for e-Services*, R. Kowalszyk, J. P. Müller, H. Tianfield and R. Unland, eds., pp. 61–76, Springer, 2003.
- Joanna J. Bryson, David Martin, Sheila I. McIlraith and Lynn Andrea Stein, “Agent-Based Composite Services in DAML-S: The Behavior-Oriented Design of an Intelligent Semantic Web”, in *Web Intelligence*, N. Zhong, J. Liu and Y. Yao, eds., pp. 37–58, Springer, 2003.
- Joanna J. Bryson, “Where Should Complexity Go? Cooperation in Complex Agents with Minimal Communication”, *Innovative Concepts for Agent-Based Systems*, W. Truszkowski, C. Rouff and M. Hinchey, eds., pp. 298–313, Springer, 2003.
- Joanna J. Bryson and Jessica C. Flack, “Action Selection for an Artificial-Life Model of Social Behavior in Non-Human Primates”, *Proceedings of the International Workshop on Self-Organization and Evolution of Social Behaviour*, C. Hemelrijk ed., pp. 42–45, 2002.
- Joanna J. Bryson and Marc D. Hauser, “What Monkeys See and Don’t Do: Agent Models of Safe Learning in Primates”, *Proceedings of the AAAI Symposium on Safe Learning Agents*, M. Barley and H. W. Guesgen, eds., AAAI Press March 2002.
- Joanna J. Bryson, “Embodiment vs. Memetics: Does Language Need a Physical Plant?” in *Developmental Embodied Cognition (DECO-2001)*, R. Pfeifer and G. Westermann, eds.; Edinburgh, July 2001.
- Joanna J. Bryson and Lynn Andrea Stein, “Modularity and Design in Reactive Intelligence”, in *The Seventeenth International Joint Conference on Artificial Intelligence (IJCAI)*, Seattle WA, pp. 1115–1120, Morgan Kaufmann, 2001.
- Joanna J. Bryson and Lynn Andrea Stein, “Modularity and Specialized Learning: Mapping Between Agent Architectures and Brain Organization”, in *The Second International Workshop on Emergent Neural Computational Architectures Based on Neuroscience*, S. Wermter, J. Austin and D. Willshaw, eds.; Springer, Berlin, pp. 98–113, 2001.

- Joanna J. Bryson, “Hierarchy and Sequence vs. Full Parallelism in Action Selection”, *Simulation of Adaptive Behavior 6*, Paris, 2000 pp. 147–156 (originally in *Intelligent Virtual Agents 2*, ed. Daniel Ballin, 1999.)
- Joanna J. Bryson and Lynn Andrea Stein, “Modularity and Specialized Learning in the Organization of Behaviour”, in *Connectionist Models of Learning, Development and Evolution: The Sixth Neural Computation and Psychology Workshop (NCPW6)*, Robert French and Jacques Sougné (eds.), pp. 53–62, Springer, 2001.
- Joanna J. Bryson, Will Lowe and Lynn Andrea Stein, “Hypothesis Testing for Complex Agents”, *NIST Workshop on Performance Metrics for Intelligent Systems*, Washington, DC; Alex M. Meystel and Elena R. Messina (eds.), pp. 233–240, 2000.
- Joanna J. Bryson and Lynn Andrea Stein, “Architectures and Idioms: Making Progress in Agent Design”, *The Seventh International Workshop on Agent Theories, Architectures and Languages (ATAL)*, Boston, C. Castelfranchi and Y. Lespérance (eds.), pp. 73–88, Springer 2000.
- Joanna Bryson, “Making Modularity Work: Combining Memory Systems and Intelligent Processes in a Dialog Agent”, *AISB’00 Symposium on Designing a Functioning Mind*, Aaron Sloman (ed.), pp. 21–30; Birmingham UK, 2000.
- Joanna Bryson, “A Proposal for the Humanoid Agent-builders League (HAL)”, *AISB’00 Symposium on Artificial Intelligence, Ethics and (Quasi-)Human Rights*, John Barnden (ed.), pp. 1–6; Birmingham UK, 2000. (Abstract also appeared in the AISB Quarterly No. 104, Summer/Autumn 2000, ed. Blay Whitby)
- Joanna Bryson, “Creativity by Design: A Behaviour-Based Approach to Creating Creative Play”, *AISB’99 Symposium on Creativity in Entertainment and Visual Art*, ed. Frank Nack, Edinburgh, 1999.
- Joanna Bryson and Phil Kime, “Just Another Artifact: Ethics and the Empirical Experience of AI”, *Fifteenth International Congress on Cybernetics*, pp. 385–390, Namur, 1998.
- Joanna Bryson and Brendan McGonigle, “Agent Architecture as Object Oriented Design”, *The Fourth International Workshop on Agent Theories, Architectures and Languages (ATAL97)*, pp. 15–30, ed. Munindar P. Singh, Springer-Verlag, Providence, 1998.
- Joanna Bryson, “The Design of Learning for an Artifact”, *The AISB Workshop on Learning in Robots and Animals*, ed. Noel Sharkey et. al., Brighton UK, 1996.
- Joanna Bryson, “The Reactive Accompanist: Adaptation and Behavior Decomposition in a Music System”, *The Biology and Technology of Intelligent Autonomous Agents*, pp. 365–376, ed. Luc Steels. Springer, Trento, 1995.
- Joanna Bryson, Alan Smaill, Geraint Wiggins, “The Reactive Accompanist: Applying Subsumption Architecture To Software Design”, University of Edinburgh Department of Artificial Intelligence Research Paper 606, 1992.

### Other Reviewed Presentations

- Vincent Heddeshheimer and Joanna Bryson “Economic Insecurity Increases Affective Polarization Through Outgroup-Aversion,” *14<sup>th</sup> Annual Conference of the European Political Science Association (EPSA)*, Köln, 4–6 July, 2024.
- Joanna Bryson, “Polarisation and the fundamentals of human sociality”, [Social Ontology & Collective Intentionality](#), University of Vienna, 23–26 August 2022.
- Vishali Sairam, Vincent Heddeshheimer, and Joanna Bryson [Economic Insecurity Increases Polarization and Decreases Trust](#), International Conference of Social Dilemmas (ICSD), Copenhagen, 19–22 July 2022.
- Vishali Sairam, Vincent Heddeshheimer, and Joanna Bryson [Economic Insecurity Increases Polarization and Decreases Trust](#), European Political Science Association annual meeting, Prague, 23–25 June 2022.

- Andreas Theodorou, Bryn Bandt-Law, and Joanna J. Bryson “Game Technology as an Intervention for Public Understanding of Social Investment”, *The Eighteenth International Conference on Social Dilemmas*, Sedona, AZ, 3-7 June 2019.
- Alexander Stewart, Nolan McCarty, and Joanna J. Bryson “Explaining Parochialism: A Causal Account for Political Polarization in Changing Economic Environments”, *The Eighteenth International Conference on Social Dilemmas*, Sedona, AZ, 3-7 June 2019.
- Alexander J. Stewart, Nolan McCarty, Joanna J. Bryson, “Explaining Parochialism: A Causal Account for Political Polarization in Changing Economic Environments”, E-poster presented at the *American Political Science Association (APSA)*, Boston, MA. 30 August–2 September 2018.
- Joanna J. Bryson and Alex J. Stewart, “Diversity versus Structure: A Fundamental Axis of Variation in Evolution?” *Evolution, Evolvability and Change Workshop*, York, UK (but presented remotely), 11–12 April 2018
- Alexander J. Stewart and Joanna J. Bryson, “Explaining Parochialism: A Causal Account for Political Polarisation in Changing Economic Environments”, *European Human Behaviour and Evolution Association (EHBEA)*, Pécs, Hungary, 4th-7th April, 2018.
- “Consciousness is Neither Necessary nor Sufficient for AI Ethics,” in the Workshop *Is Machine Consciousness Necessary for True AI Ethics?*, *International Research Conference Robophilosophy 2018 / TRANSOR 2018*, Vienna, 14–17 February 2018.
- Joanna J. Bryson, Aylin Caliskan Islam, and Joanna J. Bryson, “Semantics derived automatically from language corpora necessarily contain human biases”, *Text As Data*, Northeastern University, Boston, 14–15 October 2016.
- Joanna J. Bryson and Nolan McCarty, “Polarization and Inequality: Towards a Mechanistic Account”. E-poster presented at the *American Political Science Association (APSA)*, Philadelphia, PA. 1–4 September 2016.
- Aylin Caliskan Islam and Joanna J. Bryson, “Discovering individual and collective bias via automated language model analysis”, reviewed poster, *Emergent Meaning*, Lehigh University, PA (in association with *Cognitive Science*, August 10, 2016.
- Aylin Caliskan Islam, Joanna J. Bryson, and Arvind Narayanan “A Story of Discrimination and Unfairness”, reviewed talk, **Best HotPETs talk prize**, *Privacy Enhancing Technologies Symposium*, Darmstadt, Germany, July 22, 2016.
- “Patience Is Not a Virtue: AI and the Design of Ethical Systems”, *AI, Ethics, and Society, the Second International Workshop*, AAAI, Phoenix, Arizona USA, 13th February 2016,
- “Costly punishment as a strategy for optimising public goods investment”, reviewed talk and participant, *Evolution and Warfare: a NIMBioS Investigative Workshop*, Knoxville, Tennessee, 16–18 September 2015.
- Paul Rauwolf and Joanna J. Bryson, “Fairness Evolves Because of Partial Information,” reviewed talk and abstract, *Sixteenth International Conference of Social Dilemmas*, Hong Kong, June 2015.
- Paul Rauwolf, Dominic Mitchell, and Joanna J. Bryson, “Value Homophily Benefits Cooperation but Motivates Employing Incorrect Social Information”, reviewed talk and abstract, *Sixteenth International Conference of Social Dilemmas*, Hong Kong, June 2015.
- Paul Rauwolf and Joanna J. Bryson, “The Evolution of the Impact Bias,” reviewed talk and abstract, *European Human Behaviour and Evolution Association Helsinki*, April 2015.
- “Stories as public goods: The behavioural ecology of our narrative compulsion”, *The Story of Memory Conference: New Perspectives on the Relationship between Storytelling and Memory in the Twenty-First Century*, Roehampton University, London, September 2014.
- Joanna J. Bryson, Karolina Sylwester, James Mitchell and Simon T. Powers, “Personality, Social Strategy, and the Regulation of Public Goods Investment: A Behavioural Ecological Perspective on Variation in Human Economic Behaviour”, four-page extended abstract and poster, in *Collective Intelligence*, June 2014, MIT.
- Paul Rauwolf and Joanna J. Bryson, “Selective Pressure for the Divergence in Decision and Experienced Utility”, four-page extended abstract and poster, in *Collective Intelligence*, June 2014, MIT.

- Yifei Wang, Joanna J. Bryson and Nicholas K. Priest, “Robustness as A Property of Networks Supporting Change: An Example from Artificial Gene Networks”, four-page extended abstract and poster, *Collective Intelligence*, June 2014, MIT.
- Paul Rauwolf, Dominic Mitchell, and Joanna J. Bryson, “Cooperation benefits when homophily motivates dishonesty in gossip.” reviewed talk and abstract, *European Human Behaviour and Evolution Association*, Bristol, April 2014.
- Daniel J. Taylor and Joanna J. Bryson, “Testing the Bond”, reviewed talk and abstract, *European Human Behaviour and Evolution Association*, Bristol, April 2014.
- “Dominance, Fitness, Social Structure and Ecology: Reconciling Several Popular Models” reviewed talk and abstract, *Primate Society of Great Britain Winter Meeting 2013: Modelling primate social organisation*, Linnean Society, London, 11 December 2013.
- “Dominance, Compassion, and Evolved Social: Behaviour: Advisable Roles and Limits for Companion Robots”, talk based on an extended abstract, at *Taking Care of Each Other: Synchronisation and Reciprocity for Social Companion Robots* a workshop of The International Conference on Social Robotics (ICSR), Bristol, UK, 27 October 2013.
- Alice Stuart Lee and Joanna J. Bryson, “Explanations of Matriarchal Social Structures” reviewed talk and abstract *The Fifth Congress of the European Federation for Primatology*, Antwerp, Belgium; 10–13 September 2013; abstract in *Folia Primatologica*, **84**(3–5):326.
- “Punishment As Regulation of Public Goods Investment: Understanding Cultural Variation in Anti-Social Punishment”, with James Mitchell, Simon T. Powers and Karolina Sylwester, reviewed abstract and talk, *The Seventeenth International Conference on Social Dilemmas (ICSD)*, Zurich, 10–13 July 2013.
- Joanna J. Bryson, “Costly punishment as a strategy for optimising public goods investment”, reviewed abstract and talk, *The European Human Behaviour Association Conference*, Amsterdam, 27 March 2013.
- Daniel J. Taylor, Marios Richards and Joanna J. Bryson “On the Excludability of Public Goods”, reviewed abstract and talk, *The European Human Behaviour Association Conference*, Amsterdam, 25 March 2013.
- Dominic Mitchell, Gordon P. D. Ingram and Joanna J. Bryson, “On the reliability of unreliable information: Gossip as cultural memory”, *The European Human Behaviour Association Conference*, reviewed abstract and talk, Amsterdam, 25 March 2013.
- “The EPSRC Principles of Robotics: Applications to Serious Games”, *Ethical Issues and Social Responsibility in Serious Games*, reviewed abstract and talk, Sheffield, 21 January 2013.
- “Dominance, aggression and public goods investment: Explaining anti-social punishment”, *Theoretical and Empirical Aspects of Decision Making*, reviewed abstract and talk, Bristol, 17–18 December 2012.
- “Costly punishment and the regulation of public goods investment”, with Karolina Sylwester, James Mitchell, Simon T. Powers and Daniel J. Taylor, reviewed abstract and poster, *ETH Latsis Symposium 2012: Economics on the Move*, Zurich, 11–14 September 2012.
- “The Valence of Ties and the Regulation of Public Goods Investment”, with Karolina Sylwester, James Mitchell, Simon T. Powers and Daniel J. Taylor, reviewed abstract and talk, *Negative Ties and Social Networks*, Budapest, 19–20 April 2012.
- Simon T. Powers, Daniel J. Taylor and Joanna J. Bryson “Punishment can promote defection in group-structured populations”, reviewed abstract and talk, *The European Human Behaviour Association Conference*, Durham UK March 2012.
- Daniel J. Taylor and Joanna J. Bryson “Rogers’ Paradox: Resolved”, reviewed abstract and poster, *The European Human Behaviour Association Conference*, Durham UK March 2012.
- Bidan Huang, Jason Leake and Joanna J. Bryson, “Humanoid robots and cognitive systems research: An epistemological case study based on the iCub”, reviewed poster, brief talk, and extended abstract at *The International Conference on Development and Learning, (ICDL)*, Frankfurt, August 2011.

- “Internet memory and life after death” reviewed talk and abstract in *Death & Dying in the Digital Age*, Bath, UK 25–26 June 2011.
- “The interplay between cognition and secondary replicators: Could memetics explain human uniqueness?”, reviewed talk and abstract in *Current challenges and applications of comparative cognition (CompCog II)* Prague, 25–27 May 2011.
- “The Impact on Organisms of Transmitting Secondary Replicator Systems”, with Sam P. Brown, reviewed abstract and talk, *The European Human Behaviour Association Conference*, Gießen, Germany 24–26 March 2011.
- “The Scientific Application of Agent-Based Modelling; The Impact on Organisms of Transmitting Secondary Replicator Systems”, solicited talks for the workshop *Microbial Evolution: Modeling and Experimental Techniques*, e-Science Institute, University of Edinburgh, 11–13 January 2011.
- “Social Simulation and Explaining Religion”, talk in the *The Explaining Religion Project (EXREL): How Do Religions Evolve? symposium of Religion, a Human Phenomena: The XX<sup>th</sup> Quinquennial World Congress of the International Association for the History of Religions*. Toronto, Canada, 17 August 2010.
- “Determinants of the Size of Social Species’ Culture” talk and reviewed abstract, *Complexity and Nonlinear Phenomena in Biological Systems*, a one-day meeting organised by the Nonlinear and Complex Physics Group of the Institute of Physics (UK), Bath, 20 May 2010.
- Marios N. Richards and Joanna J. Bryson, “Comparing individuality to phenotypic plasticity in facilitating evolution”, talk and reviewed abstract, *Individual Specialisation: The Association for the Study of Animal Behaviour’s Winter Meeting*, London, 3–4 November 2009.
- Joanna J. Bryson, “Information Dissemination as an Explanation of Troop-Level Aggregation in Fission-Fusion Species with Varied Party Composition”, talk and reviewed abstract *Vertebrate Models of Social Evolution*, Adelboden, Switzerland; 16–18 August 2009.
- Joanna J. Bryson, “Information Dissemination as an Explanation of Troop-Level Aggregation in Fission-Fusion Species with Varied Party Composition”, talk and reviewed abstract *The Third Congress of the European Federation for Primatology*, Zürich, Switzerland; 12–15 August 2009; abstract in *Folia Primatologica*, **80**(2):111.
- Hagen Lehmann and Joanna J. Bryson, “A Unified Account of The Primate Tolerance Spectrum”, talk and reviewed abstract *The Third Congress of the European Federation for Primatology*, Zürich, Switzerland 12–15 August 2009; abstract in *Folia Primatologica*, **80**(2):124.
- Joanna J. Bryson, “Shared Information as an Explanation of Troop-Level Aggregation in Fission-Fusion Species with Varied Party Composition”, talk and reviewed abstract *Multiply Structured Populations in Biology*, Bath UK, 1–3 July 2009.
- Joanna J. Bryson, “What Limits the Biological Evolution of Cultural Evolution?” reviewed abstract and talk presented to *Social Genes, Social Brains and Social Minds*, Budapest 13–15 May 2009.
- Joanna J. Bryson, “Selection for variation: Evolutionary processes affecting dominance, social structure and female mate choice”, reviewed abstract and poster presented to *The European Human Behaviour Association Conference*, St. Andrews, UK, 6–8 April 2009, abstract booklet p. 29.
- Robert A. Jenks, Julia Lehmann and Joanna J. Bryson, “A model of factors generating fission-fusion social dynamics”, reviewed abstract and poster presented to *The European Human Behaviour Association Conference*, St. Andrews, UK, 6–8 April 2009, abstract booklet p. 36.
- Marios Richards and Joanna J. Bryson, “Does learning accelerate evolution?”, reviewed abstract and poster presented to *The European Human Behaviour Association Conference*, St. Andrews, UK 6–8 April 2009, abstract booklet p. 46.
- Hagen Lehmann and Joanna J. Bryson, “Evolutionary Determinates of Social Structure in Macaque Troops”, reviewed abstract and talk presented to *The International Primatological Society’s XXII Congress*, Edinburgh, UK 8 August 2008.
- “What Limits the Biological Evolution of Cultural Accumulation?”, reviewed abstract and poster presented to *The International Primatological Society’s XXII Congress*, Edinburgh, UK 4 August 2008.

- “Information can be free: Implications for recent developments in the evolution of altruism”, *The Sixth Göttinger Freilandtage: Primate Behavior and Human Universals* reviewed abstract and presentation, Göttingen Germany, 11–14 December 2007.
- “Hierarchical organization of intelligence: Ethology and AI perspectives”, The NIPS workshop on *Hierarchical Organization of Behavior: Computational, Psychological and Neural Perspectives*, solicited and reviewed extended abstract and presentation, Vancouver, Canada, 7–8 December 2007.
- “Robots Should Be Slaves”, solicited and reviewed extended abstract and presentation for the Oxford e-Horizons forum *Artificial Companions in Society: Perspectives on the Present and Future*, Oxford University, 26 October 2007.
- Panel participant, *Humans and Humanoids — Perspectives in Cognition and Robotics*, The Research Institute for Cognition and Robots — CoR-University of Bielefeld, 9 October 2007.
- Hagen Lehmann and Joanna J. Bryson, “The Socio-Ecological Model of Female Social Relationships in the Genus *Macaca*: An Agent Based Approach”, reviewed abstract and talk, presented at the biannual meeting of the European Federation for Primatology, 3 September 2007.
- “The Adaptive Advantage of Knowledge Transmission”, reviewed abstract and talk presented to *Evolution of Language 5*, Rome, Italy, 14 April 2006.
- “Embodiment vs. Memetics”, reviewed abstract and talk for *Post-Cognitive Psychology*, Glasgow, UK, August 2005.
- “Learning Action Selection from Observation of Humans in Unreal Tournament” talk at Southwest Regional Meeting on Mathematics, Computation and Biology, University of Western England, Bristol UK, 24 June 2005.
- “Representations Underlying Social Learning”, reviewed abstract and poster presented at Animal Social Learning, St. Andrews, UK, 15–18 June 2005.
- “Artificial Intelligence Models of Primate Intelligence” talk at Southwest Regional Meeting on Mathematics, Computation and Biology, University of Bristol, UK, 21 June 2004.
- “Language Needs 2<sup>nd</sup> Order Representations and A Rich Memetic Substrate”, reviewed abstract and talk presented to *Evolution of Language 5*, Leipzig, Germany, 1 April 2004.
- “The Relationship Between AI Architectures and Neuroscience”, presentation to *Workshop on Grand Challenge 5: Architecture of Brain and Mind*, De Montfort University, Leicester, 5 January 2004.
- “Artificial Emotions”, presented with Dylan Evans to *Foresight Cognitive Systems Interaction Conference*, Bristol UK, 3 September 2003.
- “Modular models of social agents: Modelling the emergence of Macaque social structure”, reviewed abstract and talk *Agent-Based Social Simulation Special Interest Group Meeting*, Barcelona, Spain 3 February 2003.
- “Modelling Tolerance: An agent-based model of conflict resolution”, talk at the workshop on *Computer-Aided Methods for International Conflict Resolution and Prevention*, Austrian Research Institute for Artificial Intelligence (ÖFAI), Vienna, Austria, 26 October 2002.
- “Representing Cognitive Phenomena in Biological Systems”, invited talk and paper for the *Theoretical Fundamentals of Intelligent Systems* Workshop of the Joint Conference on Information Sciences, A. Meystel ed., Washington DC, 11 March 2002.
- Joanna J. Bryson, Keith Decker, Scott DeLoach, Michael Huhns and Michael Wooldridge, “Agent Development Tools”, chapter from the invited panel *The Seventh International Workshop on Agent Theories, Architectures and Languages (ATAL)*, Boston, eds. C. Castelfranchi and Y. Lespérance, pp. 331–338, Springer 2000.
- Joanna Bryson, “Primitive Parallax and Parallax Primitives”, poster and abstract, *The Third European Conference on Artificial Life*, Granada, 4–6 June 1995.

## Invited Talks: National and International Academic Conferences and Workshops

- Keynote: “How Consciousness Relates to Morality: *When Artificial Consciousness Is Unimportant*,” [Evaluating Artificial Consciousness](#), Wanja Wiese and Albert Newen, chairs; Ruhr University Bochum. 10–11 June 2025.
- “Transparency, Accountability, and Science: AI as a Case Study of Moral Agency” opening keynote / workshop, [The First Israeli Conference on the Philosophy of AI](#) “Haifa,” 5 March 2025.
- “Did the Legislation Get It Right? The Definition of AI” invited (and specified) keynote, [Artificial Intelligence and Fundamental Rights: Impact of the new European Union’s AI Act](#), Das Institut für Recht und Digitalisierung Trier (IRDT), 26–27 September 2024.
- “Ohne Titel” invited keynote, *The Magic Machine: through the prism of art and science*, Tacit Engagement in the Digital Age (TEDA), Cambridge (Faculty of Music, Satinder Gill) 18–19 September 2024.
- “Intelligent Technology and Human Flourishing: A DevOps Perspective” at *Ethics by Design: Implications, Prospects, Limitations*, [Institute for Ethics in Technology](#), Hamburg University of Technology (TUHH), 13 June 2024.
- “The AI Cold War is Fake News and Why That Matters” with Wiebke Dorfs coauthor, *The European New School of Digital Studies (ENS) Fellows and Friends Paper Workshop*, host Philipp Hacker, with danah boyd, Orla Lynskey, Jeremias Adams-Prassl, Nora Ni Loideain among others, Słubice, Poland, 4 June 2024.
- “Human Centring Is Not a Choice,” [Being Human in the Age of AI](#) (link includes video), School of Advanced Study, University of London, 23–24 May 2024.
- “Artificial Intelligence, Politics, and Human Wellbeing”, **keynote**, [AI Ethics & Human-Computer Interaction](#), Markus Kneer, organisers, Graz, 6–7 March 2024.
- “Language, Consciousness, Justice and AI Regulation”, **keynote**, [Philosophy and Theory of Artificial Intelligence](#), Erlangen, 15–16 December 2023.
- “Solving the Alignment Problem through Appropriate Attribution” **keynote**, [Ethics of Autonomy in Smart Cities](#), Singapore, 6–8 December 2023.
- “Artificial Intelligence and Digital Governance” 15min intervention on panel “AI Policy and Regulation” (with Fabian Braesemann, Mireia Artigot Golobardes, and Maximilian Kiener (chair), *European Conference: Leadership in European Policy*, Frei Universität, Berlin, 26 September 2023.
- [Science and Power in the Context of AI Policy](#), **Keynote**, *9<sup>th</sup> International Conference on Computational Social Science*, Copenhagen, Denmark, 17–20 July 2023.
- “Real News (and Science) about AI and Labour,” **Keynote** [The 21<sup>st</sup> European Association of Work and Organisation Psychology Congress—The Future is Now: The Changing World of Work](#), Katowice, Poland, 26 May 2023.
- “Economic insecurity increases polarization and decreases trust”, talk at invited workshop, [Future of Mathematical Social Science Workshop](#), hosted by Alex Stewart, St. Andrews and Penn, online, 10–11 April 2023.
- “Abuse of Power and Politicization on Digital Platforms”, invited talk and panel participation for the panel *Digital Anarchy, Abuse of Power, and Violation of Human Rights* (with Kyung Sin Park, Korea; Red Tani, Philippines; Yisuo Tzeng, Taiwan; and Xiao Qiang, China) at [Digital Populism and Digital Authoritarianism: International Conference](#), Sejong Institute, Korea (hybrid, I was online), 31 January 2023.
- “Algorithms, Transparency, and (Ethical?) Standards”, invited talk for the panel *Comparative Law, Transparency and Technological Change — Transparenz und technologischer Umbruch* with Frank Pasquale, Daniel Damler, Vincent August, and Stefan Grundmann (convener), for the ‘general panel’ of the Conference of the German Association of Comparative Law. Tübingen, 29 September–1 October 2022.
- “[With whom do we hybridise? Principle Agents of AI](#)” **Keynote**, *The First International Conference on Hybrid Human-Artificial Intelligence (HHAI)*, Amsterdam, 13–17 June 2022.

“Artificial Intelligence, Responsibility, and Liberalism” invited talk for the panel “Technology, Digitalization and Ethics of Responsibility” at *The Future of Liberalism: Japan, France and Germany in global context*, online from Tokyo, hosted by Deutsches Institut für Japanstudien (DIJ), 7–9 June 2022.

Panellist, “How to Standardize Ethics and Law in an AI context”, invited panel at [Standardization of Artificial Intelligence](#), Fourth RAILS-Conference with KU Leuven Centre for IT & IP Law (CiTiP) and the Knowledge Centre for Data & Society, Leuven, Belgium, 30 May 2022.

[Digital Governance: Regulating Intelligent and Transnational Technologies](#), *IT 21 Global Conference by Korea Information Processing Society*, pre-recorded, invited **keynote**, played at a live meeting in Seoul, 28–29 May 2022.

[Social Communication of Meaning to AI](#), invited plenary, [Embodied Intelligence International Conference](#), ‘Cambridge, UK’ 24 March 2022.

“Privacy, Security, Freedom of Thought: Governing the Information Revolution” invited talk at [Recommender Systems: Legal and Ethical Issues Interdisciplinary Conference](#), Bonn, DE, 9–10 December 2021.

“Robots, Love, and Human Relations: Transparency and Consent with Commercial Products” **Keynote**, [9th International Conference on Affective Computing & Intelligent Interaction \(ACII 2021\)](#), ‘Nara’, JP, 28 September–1 October 2021.

Keynote, [Bias, Trust, and Doing Good: The impacts of digital technology on human ethics, and vice versa](#), *The 14<sup>th</sup> Multi-Disciplinary International Conference on Artificial Intelligence (MIWAI)*, ‘Mahasarakham, Thailand’, 2 July 2021.

Participant with keynote (“The origins of bias and the limits of transparency”), [Transparency by Design](#), ‘Schloss Dagstuhl’, 6–10 June 2021.

Invited Keynote, [Limits of Transparency: Addressing Barriers to Accountability, Governance Of and by ALgorithms \(GOAL\) International AI Conference](#), ‘Münster’, 9 April 2021.

Invited keynote, “There Is No AI Ethics,” and also session chair, [Implementing AI Ethics AAAI Spring Symposium Series](#), not even pretending to be Stanford, 22 March 2021.

Keynote, [Bias, Trust, and Doing Good: Scientific Explorations of Topics in AI Ethics](#), *AI in Society*, North Carolina State University (virtually), 18-19 February 2021.

Keynote panel (discussing the annual lecture by Lord Timothy Clement-Jones, CBE ‘AI: Time to regulate?’), [Annual Lecture and Conference ‘AI and the Rule of Law: Regulation and Ethics’](#), The Information Law and Policy Centre (ILPC), Institute of Advanced Legal Studies, ‘London’, 19 November 2020.

Keynote [Artificial Intelligence and Human Life: 2025–2070](#), *Good Growth Global Forum: Small Change, Deep Impact*, (video sent to) Seoul, Korea, 9 September 2020.

Keynote, “What Is Good? Social Impacts and Digital Governance” [AI for Social Good](#), Harvard University Center for Research on Computation and Society (originally IJCAI, but pandemic). 21 July 2020.

“Ethics and Regulation for Intelligent Technologies”, invited keynote for *The Good, the Bad and the Regulated: In Search of a Common Denominator for AI in Business and Society (Second annual Leuven AI Law & Ethics Conference (LAILEC))*, Leuven, Belgium, 18 Feb 2020.

“Smart Policies for Artificial Intelligence” invited speaker and participant, *Governance of New Technologies: Technological Innovations, Market Competition, and Public Policy* Workshop at the Technical University of Munich, Akademiezentrum Raitenhaslach, 10-12 February 2020.

Panel discussant: “Exploring the role and impact of AI in a policy context: Challenges and opportunities for decision-making” with Bruno Lepri, Steve MacFeely, and Emanuele Baldacci, [Applied Machine Learning Days](#), EPFL, Lausanne, CH, 27 January 2020.

Keynote, “Information professionals and intelligent machines: Can we save the librarians?” *Fantastic Futures: Second International Meeting on AI for Libraries, Archives, and Museums*, Stanford, Palo Alto CA, 4 December 2019.

- “Intelligent Technology: Promises and Challenges for Social Well Being”, *Radiologisk Høstmøte* (Norwegian radiologists annual meeting), Oslo, Norway, 23–25 October 2019.
- “Intelligence by Design: What software engineering can do for transparency and accountability”, guest speaker *Opening the Black Box: Regulatory Perspectives on Automated Decision-Making* Åbo Akademi, Faculty of Law, Turku, Finland, 28 August 2019.
- Panelist, *AI and Ethics* with Cindy Grimm, Julie Carpenter, and Kate Darling, Johns Hopkins University Applied Physics Lab (Heather Roff, host and chair) Baltimore, MD 22 July 2019.
- Keynote “AI Is Necessarily Irresponsible” [The 31<sup>st</sup> annual workshop of the Swedish Artificial Intelligence Society \(SAIS 2019\)](#) Umeå, Sweden 18–19 June 2019.
- Invited participant / presenter *SIENNA Workshop on the Analysis of Current and Future Ethical Issues in Artificial Intelligence and Robotics*, Uppsala, Sweden 13–14 June 2019.
- “Bias in AI: Who’s in Charge?” invited speaker (with Noel Bairey Merz and Nishi Chaturvedi) in [Equals, right? Is scientific research benefiting everyone equally?](#), The European Bioinformatics Institute of the European Molecular Biology Laboratory (EMBL-EBI), Cambridge, UK, 29 May 2019.
- “Just an Artifact: Maintaining and enhancing human accountability through autonomous systems” [Technology, Security and Warfare: Second Transnational Academic Network for the Study of Armed Drones \(TRANSAD\) Workshop](#) PRIO, Bath, UK 24 May 2019.
- “Because We Matter: Engaging with AI Governance” *AI for Social Good*, Workshop at the International Conference of Machine Learning (ICML) New Orleans, LA, 5 May 2019.
- Invited keynote, “Autonomy for Humans and Machines”, [Mind & World for Humans & Machines](#), hosted by Cambridge Muslim College, Cambridge, UK 4 May 2019.
- “Human Security and Machine Autonomy,” *Ethical and Legal Aspects of Autonomous Security Systems*, Zürich, 2–3 May 2019.
- “Who is responsible for AI?” *Responsible Intelligent Systems: Concepts, Practices and Formal Models*, Utrecht, 11–13 February 2019.
- “Regulating AI”, [Human-Machine-Ecology: A Workshop on the Emerging Risks, Opportunities, and Governance of Artificial Intelligence](#), Princeton, NJ, 11–12 January 2019.
- “The Impact of AI on Human Society”, [Cognitive Computing: Merging Concepts with Hardware](#), Hannover, Germany, 18–20 December 2018.
- “Intelligence by Design: Deliberate Creation and the Ethics of Intelligent Systems,” [When Robots Think: Interdisciplinary Views on Intelligent Automation](#), Münster, Germany, 14–16 November 2018.
- “The Future of AI, Society, and Higher Education” [The Twentieth Brazilian National Forum of Higher Education \(FNESP\): Challenges of the Fourth Industrial Revolution](#). São Paulo, 27–28 September 2018.
- “Consciousness, language, and ethics — without moral agency,” Frontiers of Consciousness Panel, [Varieties of Mind Conference](#), Leverhulme Centre for the Future of Intelligence, Cambridge University, 5–8 June 2018.
- “Generating Publics for your Goods Investment: Trust, Inequality, and Polarization” [Evolution, Cognition, and Rationality: The 6th Toulouse Economics and Biology Workshop](#), IAST, Toulouse, 24–25 May 2018.
- “AI, Economics, and Governance: Challenges of Transnational Intelligence” *AI in Strategic Context: Development Paths, Impacts, and Governance*, Workshop held by UCLA School of Law’s Project on Artificial Intelligence, an initiative of the Program on Understanding Law, Science, and Evidence (PULSE). 4–5 May 2018.
- “Transparency: The Moral, Legal, and Economic Hazards of Anthropomorphising Robots” *Explainable Robotic Systems*, a workshop before Human Robot Interaction (HRI), Chicago, 5 March 2018.
- “The Moral, Legal, and Economic Hazard of Anthropomorphising Robots and AI,” *International Research Conference Robophilosophy 2018 / TRANSOR 2018*, Vienna, 14–17 February 2018.

- “Who is responsible for AI?” *Responsible Intelligent Systems: Concepts, Practices and Formal Model*, Utrecht, 11 Feb 2019.
- “There is no AI ethics: The human origins of machine prejudice,” *Applied Machine Learning Days*, EPFL, Lausanne, 27–30 January 2018.
- “The risk of sex and gender bias in developing AI,” invited talk in the panel “Digital biomarkers and new technologies. Novel tools to support women’s brain health,” *1st International Forum on Women’s Brain and Mental Health*, EPFL, Lausanne, Switzerland, 12 December 2017.
- “The real existential threat of AI,” invited talk in the panel “Artificial Intelligence: What next?” *Envision* — a national futurists meeting organised by Princeton undergraduates. Princeton, NJ, 1–3 December 2017.
- “There is no AI ethics: The human origins of machine prejudice,” *Bridging disciplines in analysing text as social and cultural data*, The Alan Turing Institute, British Library, London, 21–22 September 2017. [video](#) (not the best video!)
- “Artificial Intelligence and Real Knowledge,” invited talk in the plenary panel “The Robots are Coming! Ethics, work and scholarly communication in a radically different future,” *The Association of Learned & Professional Society Publishers 10<sup>th</sup> Annual Conference and Awards*, Grand Hotel Huis ter Duin, Noordwijk, The Netherlands, 13–15 September 2017.
- “Of, For, and By the People: The Legal Lacuna of Synthetic Persons” *Artificial Agency and Collective Intelligence*, Leverhulme Centre for the Future of Intelligence, Cambridge, UK 18 September 2017.
- “We all have a role to play: Games and AI Ethics,” **keynote**, *IEEE Conference on Computational Intelligence in Games (CIG)*, NYU, Brooklyn, NY, 22–25 August 2017.
- Talk: “Trust in the Age of ICT” and panel “Trust and Understanding”, *Trust in the Age of Intelligent Machines*, Leverhulme Centre for the Future of Intelligence, Jesus College, Cambridge, UK, 14 July 2017.
- “Five Reasons Not to Personify AI”, **keynote**, *Big Data: New Challenges for Law and Ethics*, Faculty of Law, University of Ljubljana, Slovenia, 22–23 May 2017. [video](#)
- “The Moral, Legal, and Economic Hazard of Anthropomorphising Robots and AI”, **keynote**, *Robophilosophy: Envisioning Robots in Society — Politics, Power, and Public Space*, Vienna, Austria February 14–17, 2018.
- “There Is No AI Ethics: The Human Origins of Machine Prejudice”, **keynote** *Ethics in Natural Language Processing (#EthNLP)*, Workshop at EACL, Valencia, Spain, 4 April 2017.
- “There Is No AI Ethics: AI Expresses and Extends NI”, *Summit on Human Problem Solving and Artificial Intelligence* (Jacob Sherson), Sandbjerg, Denmark, 28–30 November 2016.
- “Human Autonomy and the Hazards of Principle Agency in an Era of Expanding AI”, **keynote**, *Machine Ethics and Machine Law* (Bipin Indurkha), Cracow, Poland, 18–19 November 2016.
- “What makes a person?”, *Robotics in the 21<sup>st</sup> century: Challenges and Promises*, Göttingen, Germany 25–28 September, 2016.
- “The Design of Artificial Intelligence and the Root of the Moral Subject” , **keynote**, *Designing Moral Technologies: Theoretical, Practical, and Ethical Issues*, Monte Verità, Switzerland, July 10–15 2016.
- “Embodiment vs Memetics: From Semantics to Moral Patiency through the Simulation of Behaviour”, **keynote**, annual symposia of the *Society for the Study of Artificial Intelligence and the Simulation of Behaviour (AISB)*, Canterbury, Kent, 22 April 2015.
- “Artificial Intelligence and Pro-Social Behaviour”, invited talk in the workshop, *Collective intelligence, coordinated action and communities on the Internet*, Tamás Dávid-Barrett (organiser), Oxford University, 16–17 September 2014.
- “The Ethical Principle of Transparency for Artificially Intelligent Romantic Companions.” *The AISB Symposium on Love and Sex with Robots*, London, 3 April 2014.
- “Beyond thought experiments: The experience of AI in the humanities”, *Autonomy and Automation: Robotics, AI and the Digital Cultural Future*, Bristol, 8 March 2014.

- “Honing Heuristics: The Interaction of Evolution, Learning and Thought”, *Heuristic Mechanisms in Natural and Artificial Cognitive Systems*, at the Bavarian Academy of Sciences and Humanities, Munich, 8–9 October 2013.
- “Punishment As Regulation of Public Goods Investment: Understanding Cultural Variation in Anti-Social Punishment”, *Human Cooperation*, Ruth Mace (organiser) at the University College of London (UCL) Department of Anthropology, 17 September 2013.
- “We’re Already Succeeding (& It’s Already Scary / Wonderful)” *The Future of AI: What if We Succeed?*, **plenary panel** participant with Henry Kautz, Anders Sandberg and Sebastian Thrun, chaired by Stuart Russell at the 23<sup>rd</sup> *International Joint Conference on Artificial Intelligence (IJCAI)*, Beijing, 9 August 2013.
- “In-Group or Out-Group? A Role for Living Machines in Human Society”, *Societal Impacts of Living Machines*, Tony Prescott (organiser) workshop at *Living Machines*, London, 2 August 2013.
- “Why Do Some Chimpanzees Have Laptop Projectors?” *Collective Agency and Cooperation in Natural and Artificial Systems*, Stuttgart Germany, 22–24 July 2013.
- “A Roadmap to the Adoption of Every-Day Domestic Robots”, *CHIST-ERA conference on Call 2013 Definition: Adaptive Machines in Complex Environment*, Brussels, 13 June 2013.
- “Roles for Emotions in Artefacts and Other Agents”, *Affective Computing*, Nottingham UK, 7 September 2012.
- “Bondage as Cognition: Exploiting Physical Constraints to Produce Intelligent Behaviour”, *Physical Cognition & Problem Solving*, The Association for the Study of Animal Behaviour’s Interdisciplinary Workshop, Birmingham UK, 27–28 June 2012.
- “Space, Time and Evolving Cognition”, *Using robotic and computer stimuli in animal behaviour and cognition research*, an EU Comparative Cognition Workshop, Lincoln, UK, 24–25 May 2012.
- “Memory, Action and Expectation — The Means and Extent to Which You and Your Society Construct Your Self”, invited talk and network participant, *The Future of Memory*, The Memory Network, London, 29–30 October 2011.
- “Space, Time and Information: Modelling the Ecology of Cultural Species”, *Modelling Ecological Environments and Agents: Understanding the Past and Predicting the Future*, Hominid Dispersals Research Group, McGill and Montreal Universities, 24–26 October 2011.
- “Cognition and Ecology: What Nature Tells Us About Autonomy”, *Autonomous Activity in the Real World: The Fifth EUCogII Members Conference*, Groningen, 10 October 2011.
- “Why We Share Information: The Evolution of Social Behaviour”, *IJCAI 2011 Workshop on Agents Learning Interactively from Human Teachers (ALIHT)*, Barcelona, 16–17 July 2011.
- “The scientific application of agent-based modelling: From biology to anthropology”, invited talk at the *Interdisciplinary Workshop on Society, Culture and Language*, Plymouth, 11–13 November 2010.
- “The Role of Cognition in Cognitive Systems: From Robots to Primatology”, invited talk for *IEEE Robotics and Automation Chapter (UKRI): The first UK Symposium on Cognitive Robotics and Learning*, Manchester, 20 October 2010.
- “Who is Responsible? Ethics with Robots”, invited talk in the *Social human-robot interaction and ethics* symposium of *Active Ageing — Smart Solutions: The Ambient Assisted Living Forum 2010*, Odense, Denmark, 16 September 2010.
- “Must Cognitive Robots Experience the Terrible Twos? Sensory-Motor Learning & Cognition”, invited twenty-minute response to and one-hour discussion of Linda B. Smith’s plenary, “Grounding Learning in Sensory Motor Dynamics”, *Development of Cognition in Artificial Agents*, EUCogII member’s meeting, Zürich, January 29 2010.
- “A Computation-Enabled Biological Perspective on Cultural Variation”, *Integrating Cultures: Models, Simulations and Applications* The Lorentz Center, Leiden, 6–9 April 2009.
- “Adaptive & Computational Explanations for The Pervasiveness of Social Learning and Altruistic Communication”, at *Organisation, Cooperation and Emergence in Social Learning Agents*, a workshop at The Tenth European Conference on Artificial Life (ECAL ’09), Budapest, 15 September 2009.

- “Time for AI: Emotions, Goals, Turn Taking (and more) for Intelligent Actors”, Games AI & Avatars: Industry/Academia Workshop, Bradford UK, 12 January 2009.
- “The Role of Cognition in Cognitive Systems” *Modelling Cognitive Behaviour*, Avon Gorge Hotel, Bristol UK, 10 October 2008.
- “Crude, Cheesy, Second-Rate Consciousness”, invited discussion / response to Daniel C. Dennett’s plenary, *The Second Vienna Conference on Consciousness (2008): The Brain and its Self*, Vienna, Austria, 26 September 2008.
- “Cognition (and Robots)”, *Humans and Humanoids — Perspectives in Cognition and Robotics*, The Research Institute for Cognition and Robots — CoR-Lab, University of Bielefeld, 9 October 2007.
- “AI Architectures (or State Requirements for Human-like Action Selection)” *Network Meeting on Cognitive Architectures*, The European Network for the Advancement of Artificial Cognitive Systems, Munich Airport, 29 June 2007.
- “Agency and Spaces: A Proposal for Behavior-Oriented Design of Intelligent Environments”, invited presentation for *HCI and Cognitive Modelling in Ubiquitous Knowledge Discovery* Barcelona, Spain 20 April 2006. Also invited participant in the same group’s meeting in Berlin, 23 September 2006.
- “Emotions as Durative State for Action Selection”, invited panel presentation at *AISB: Motivational and Emotional Roots of Cognition and Action*, Hatfield, UK, April 2005.
- “Representing Cognitive Phenomena in Biological Systems”, invited talk and paper for the *Theoretical Fundamentals of Intelligent Systems* Workshop of the Joint Conference on Information Sciences, A. Meystel ed., Washington DC, 11 March 2002.
- “Agent Development Tools”, invited panel (with Keith Decker, Scott DeLoach, Michael Huhns and Michael Wooldridge) *The Seventh International Workshop on Agent Theories, Architectures and Languages (ATAL)*, Boston, 2000 (see also chapter).

#### **Invited Lectures: Summer/Winter Schools and Courses**

- “Intelligent Technology and Human Flourishing: The Role of Governments and Democracy,” keynote in both streams of the [Philosophy of AI Summer School](#), Organized by: The Institute of Philosophy, School of Advanced Study, University of London and The AI & Humanity Lab HKU, and The London AI and Humanity Project, yet held in Paris, 2 July 2024.
- “Digital Governance and the Economics of Human Cooperation” Keynote Lecture, [The Economy of Francesco School](#) (an initiative of Pope Francis); Paolo Santori and Valentina Rotondi directors, online, 8 April 2024.
- “Artificial Intelligence, Ethics, and Being a Doctor,” Cross-Theme Keynote, [First Inria-DFKI European Summer School on AI \(IDAI 2021\)](#) (Themes: Trustworthy AI and AI for Medicine), ‘Palaiseau, FR’, 22 July 2021.
- [Personal and Transnational Economic Impacts of AI and Digital Technology](#) paid keynote, [Fairness, Accountability, Transparency and Ethics \(FATE\) in AI, CyCAT Winter School ‘Cyprus’](#) (online), 11 January 2021.
- “Developing Modular Intelligent Systems”, four-hour tutorial with laboratories, *European Agent-based Systems Summer School (EASSS)*, Utrecht, July 2005.

#### **Invited Talks: Universities, Companies, Local Workshops, and Research Institutes**

- “Governing Abstractions: Conjectures on the Ethics of AI Regulation” Edinburgh Futures Institute (Shannon Vallor, host), School of Philosophy, Psychology and Language Sciences, University of Edinburgh, 5 June 2025.
- “Intelligence by Design: What software engineering can do for transparency and accountability,” Intelligent Automation Systems Lab (Luciana Blaha, host and PI), Edinburgh Business School, Heriot-Watt University, Edinburgh, 4 June 2025.

“Accountability Is Both Possible and Necessary”, Digital State Forum (Hertie School Centre for Digital Governance, Oxford Internet Institute, and Weizenbaum Institut), Berlin (GovTech Campus), 20 March 2025.

“Academia and AI: Accountability Is Both Possible and Necessary,” which with an hour of q & a, made up the concluding workshop of the program *AI Aware Universities: Empowering University Communities for The Ethical Use of AI* at Bard College (Berlin Campus; Jeffrey Champlin, host). [Instagram story by Bard](#). 21 February 2025.

Two talks to Ludwig-Maximilians-Universität München (Sven Nyholm, host) 17 November 2024.

- “Engineering and Fairness: Bias in AI, ML, and Data” to a seminar/class on the ethics/philosophy of generative AI,
- “Governing Abstractions: Conjectures on the Ethics of AI Regulation” in Nyholm’s ethics of AI research colloquium.

“Intelligent Technology and Human Flourishing A Regulatory and DevOps Perspective,” invited seminar in the series *UM6P’s EthosSphere Forum*, (Fatima El Yousfi, host), Université Mohammed VI Polytechnique (UM6P), ‘Benguerir, Morocco’, 11 December 2024.

Keynote: “Intelligence by Design: What software engineering can do for transparency and accountability,” at the public seminar opening the Estonian Centre of Excellence in AI (EXAI) first Ethics board meeting [Ethics of AI: a hindrance of innovation or an engine of good research?](#) with Meelis Kull, Margit Sutrop, Mihalis Kritikos, Pieter Gryffroy, Björn Lundgren, and Liina Kamm. Tartu, 28 November 2024.

“Science and Power in the Context of AI Policy,” Colloquium of the Cognitive Science Program at the University of Arizona, Anne Dornhaus (host), ‘Tucson’ 1 November 2024.

“Intelligent Technology and Human Flourishing: The Role of Governments and Democracy,” *Global governance and AI* seminar series (Mark Coeckelbergh, host;) University of Vienna (online), 5 June 2024.

“Intelligent Technology and Human Flourishing: The Role of Governments and Democracy,” Institute for History and Ethics of Medicine (IHEM, Alena Buyx’s chair) Technical University Munich, 15 May 2024.

“Intelligent Technology and Human Flourishing: The Role of Governments and Democracy,” Cognition, Values & Behaviour (CVBE) Research Lab (Ophelia Deroy) and the Crowd Cognition Group (Bahador Bahram) Ludwig Maximilian University of Munich (LMU), 15 May 2024.

“Intelligent Technology and Human Flourishing: The Role of Governments and Democracy,” inaugural seminar for the Oxford Future of Professionals seminar series, Oxford University’s Saïd Business School (online; Mari Sako, host), 8 May 2024.

“[Intelligent Technology and Human Flourishing: The Role of Governments and Democracy](#)”, DDC x DIAS lecture (Digital Democracy Centre; Danish Institute for Advanced Study), University of Southern Denmark in Odense, 20 March 2024.

“[Public Goods Investment, Human Cooperation, and Political Polarisation: Does AI Play a Role?](#)”, *Copenhagen Centre for Social Data Science (SODAS)*, The Science of the Predicted Human talk series, Københavns Universitet, 19 March 2024.

[Artificial Intelligence and the Second Inflection](#), Max-Planck-Institut für Wissenschaftsgeschichte (MPIWG; Yishu Mao, host), 23 January 2024.

“Do we collaborate with what we design?” Talk (given by coauthor Katie Evans) and discussion, [The Virtual Ethical Innovation Lecture \(VEIL\)](#), of the Ethical Innovation Hub, University Lübeck (Christian Herzog host, online), 14 November 2023.

[DevOps vs AGI](#), Computer Science Research Colloquium (Volker Steuber, host), University of Hertfordshire, 13 October 2023.

“Economics-Related Problems of AI Governance,” brief presentation for the panel *Lessons Learned, Policy Implications, and Avenues for Future Research* with Cornelia Woll, Simon Jäger, and Ludwig Ensthaler; Moritz Schularick (chair), for [Artificial Intelligence and the Economy](#), Berlin, 15–16 September 2023.

“Authorship, Agency, and Moral Obligation”, European Publications Office, online, 22 June 2023.

[Principle Agents of AI: With Whom Do We Co-Create?](#) invited talk, in the *Co-Constructing Intelligence* seminar series, Bielefeld University, the University of Bremen, and Paderborn University, hybrid but I was live in Bielefeld, 20 April 2023.

“Human Meaning and AI LLM”, invited talk, CODE University of Applied Sciences; Science, Technology and Society, Sebastian Rosengrün (host), Berlin, 20 March 2023.

“Value Creation via AI, Data, and Governance”, **keynote** *AXA internal Data Science Summit*, online, 15–17 November 2022.

[Science and Power in a Context of AI Policy](#), invited talk, Forschungscluster Computational Social Science (Martin Elff, host), Zeppelin University, Friedrichshafen, DE. 29 September 2022.

Invited talk and panellist, *Sensing Opinions and Inequalities from Digital Public Spaces*, [CIVICA Research Conference](#), Budapest, 1–2 September 2022.

“Digital Governance: Regulating Intelligent and Transnational Technologies,” [CAIT International Webinar Series](#) with Amir Javed, Dr. Mohd Nor Akmal Khalid and Wandeep Kaur (chair), online, 16 August 2022.

Panellist with Martin Ebers, [KCDS-CiTiP Fellow Lectures Series: Towards an AI Regulator?](#), 31 May 2022. See also commissioned write up under policy documents October that year.

Panellist with Sebastian Wieczorek, Vice-President Machine Learning at SAP Data Intelligence and member of the Enquete Commission on AI, “How can Europe regulate Artificial intelligence? A conversation on ethics and policy challenges”, Hertie Tech Society, Berlin 25 May 2022.

“Digital Governance: Regulating Intelligent and Transnational Technologies,” The Network for Artificial Intelligence and Law (NAIL), Bucerius Law School (hosts Sophie Burchardi and Christoph Kumpan). They also workshopped several of my articles the next day, mostly on AI regulation. Hamburg (really) 19 May 2022.

“Artificial Intelligence is Necessarily Irresponsible”, keynote at the [Inauguration of the Trustworthy And Responsible AI Lab](#), Sorbonne Université & AXA, Paris (really) 23 March 2022.

“The Geopolitics of AI Regulation: Trust, Transparency, Polarisation, and War”, invited talk for Computational Social Science group, ETH (Dirk Helbing, host), Zürich (really), 21 March 2022.

Panellist with Rohinton Medhora and René Arnold (of Huawei), chaired by James Lamont (dir. strategic partnerships for the FT) [Ensuring the Ethical and Responsible Use of Digital Technologies](#), hosted by FT and Huawei. 14 December 2021.

“Robots, Love, and Human Relations: Transparency and Consent with Commercial Products,” invited talk for [AI & Mental Health II. Psychological effects of interactions between minds and AI](#), University of Bonn, DE 13 December 2021.

“Polarisation, Power, and AI Governance”, Seminar series: *What stands between us and what stands before us — Pasts, Presents and Futures of In(equality) in the US* (Julia Püschel, host), John F. Kennedy Institut of Freie Universität Berlin (really!), 3 November 2021.

“Polarisation, Power, and AI Governance”, [Fall Forum: Data For Good, Ethically](#), Translational Data Analytics Institute, (TDAI, Bear Braumoeller, host), ‘Ohio State’, 2 November 2021.

“AI, Identity, and Common Prosperity The Ethical Impacts of Digital Technology,” *Huawei Strategy and Technology Workshop*, ‘Beijing’, 15 October 2021.

“Who Gets Paid for the Future? Ethics, AI, Work and Governance,” *JP Morgan Bournemouth Festival (BFest)* (Darren Marvin, host), Bournemouth (really!), UK; 12 October 2021.

“Is There an AI Cold War?” [#frAlday Seminar Series](#) (Andreas Theodorou, host), ‘UmeåUniversity,’ SE (online); 8 October 2021.

“Who’s Responsible? Transparency, Governance, and Geopolitics of and through AI”, *Ethics in the Age of AI* talk series, WHU Otto Beisheim School of Management (Rainer Michael Rilke, host). 1 October 2021.

“AI Consciousness & Ethics with Joanna Bryson”, Women in AI, ‘Switzerland’ (who needs to specify a city now?), Marisa Tschopp and Nicole Lemke, hosts. 1 July 2021.

- “Artificial Intelligence, Ethics, and the Limits of Transparency”, ‘Ruhr-Universität Bochum’, (Eva Weber-Guskar, host), 29 June 2021.
- Participant and ‘intervention’ *Workshop: A humanities-led intervention into responsible and ethical AI*, ‘London’, Ada Lovelace Institute and the Royal College of Art, 9 June 2021.
- [Bias, Trust, and Doing Good: Scientific Explorations of Topics in AI Ethics](#) *Lecture Series in AI Ethics & Ethical AI*, Faculty of Arts, Hong Kong Baptist University (Jiji ZHANG, host), ‘Hong Kong’, 14 April 2021.
- [Bias, Trust, and Doing Good: Scientific Explorations of Topics in AI Ethics](#) *Schwartz Reisman Institute weekly seminar series*, University of Toronto (Gillian Hadfield, host), ‘Toronto’, 24 March 2021.
- [Bias, Trust, and Doing Good: Scientific Explorations of Topics in AI Ethics](#) *AI and Law talk series*, McGill University Faculty of Law (Alexander Agnello, host), ‘Montreal’, 19 March 2021.
- “Human-Centric AI Is More than Woke”, speaker in the *Roles for the EU in Artificial Intelligence Governance: A Winning Near-Term End Game* session of the *The EU as a Normative Power* talk series. University College Frieberg, 25 February 2021.
- ‘Maintaining Human-Centric Artificial Intelligence’ Cardiff Centre for Artificial Intelligence, Robotics and Human-Machine Systems (IROHMS, Chris Wallbridge, host), Cardiff University, 24 February 2021.
- [Bias, trust, and doing good - Scientific explorations of topics in AI ethics](#) Women in Science Seminar Series, Kings College, London University, 17 February 2021.
- [Artificial Intelligence and Human Lives: Looking forwards 2025-2070](#), *Victor Suchar Christmas Lecture*, Bath Royal Literary and Scientific Institution (BRSLI), ‘Bath’, 17 December 2020.
- [What Is Good? Social Impacts of AI and Digital Governance](#) in the series *Taming the Machines — Governance and Regulatory Challenges (WiSe 20/21)*, ‘at’ Universität Hamburg (Judith Simon, host) 12 November 2020.
- Extemporaneous (accidentally) talk on bias and AI, *Prestige Project: Gender Balance in Research Leadership*, ‘at’ UiT, The Arctic University of Norway, 28 October 2020.
- “The Age of AI and the Future of Work”, lecture in the *AI & Ethics* course of Alice Oh, ‘at’ (virtually) Korea Advanced Institute of Science and Technology (KAIST) ‘Daejeon, Korea’, 7 October 2020.
- “Of Ethics and Algorithms” (assigned title was “Ethics of Algorithms” but obviously that was too anthropomorphic for me), keynote at *media.think.tank 2020: KI und Film — Chances and Challenges of Artificial Intelligence for the Media Industry*, Vertretung des Landes Brandenburg beim Bund (im Berlin). 29 September 2020.
- [What Is Good? Social Impacts of AI and Digital Governance](#), talk to *Tech Ethics London*, 18 September 2020.
- AI & Ethics: What’s the role of people in an age of intelligent machines? #futurework20* (sponsored by Microsoft Berlin and the Bundesvereinigung der Deutschen Arbeitgeberverbände (BDA)), Berlin (really! hybrid live!), 8 September 2020.
- [The role of humans in an age of intelligent machines](#) The Alexander von Humboldt Institute for Internet and Society (HIIG) — live in Berlin to an empty theatre, broadcast online. 25 May 2020.
- “AI is Necessarily Irresponsible”, *Institute for Ethics in Artificial Intelligence (IEAI)*, Technical University of Munich (virtual, hosts: Caitlin Corrigan and Christoph Lütge), 14 May 2020.
- “Generating Publics for your Goods Investment Inequality, Polarisation, and Trust”, Machine Learning Group, Université Libre de Bruxelles (host: Tom Lenearts), 18 February 2020.
- Guest speaker in the seminar series *Ethical, empirical, and social implications of engineering artificial and human intelligence* at Villanova University, Pennsylvania (hosts: Brett M. Frischmann and Georg Theiner), 7–8 November 2019.
- Closed seminar discussing a draft of my forthcoming book, including talk “Intelligent Technology: Promises and Challenges for Social Well Being”,
  - luncheon with the Women in Tech,
  - public lecture “The Role of Humans in an Age of Intelligent Machines”

Panelist (with Paul Nemitz, Helen Margetts, Geraint Rees, and chair Oliver Patel) [The Future of Artificial Intelligence: Ethics, Policy and Regulation](#), *UCL European Institute*, London, UK 3 October 2019.

Guest speaker and participant [Reconfiguring Human-AI relationships](#), Tilburg Institute for Law, Technology, and Society (TILT), NL, 12–13 September 2019.

“Regional, National, and Transnational Regulation of Artificial Intelligence”, Hertie School of Governance (Gerhard Hammerschmid, host), 27 August 2019.

Visit on AI ethics to Facebook, Menlo Park, CA, 30 July 2019.

Visit on AI ethics to the Center for the Fourth Industrial Revolution at the World Economic Forum, San Francisco, CA 31 July 2019.

“What I tell governments about governing AI,” *Intelligent Interactive Systems Group* (Krzysztof Gajos, host, also spoke at their reading group on social justice and civic engagement), Department of Computer Science, Harvard, 9 April 2019.

*Towards a New Enlightenment: Ensuring Responsibility in the Age of AI and Big Data* Invited panel (and reception) hosted by BBVA and Technology Review, with Carlos Torres Vila, Alex “Sandy” Pentland, and Elizabeth Bramson-Boudreau (chair). Bartos Theater, MIT Media Lab, Cambridge MA, 8 April 2019.

“Human Minds and Machine Intelligence: Who’s the Master?” Aberystwyth University, Department of Computer Science (Alexandros Giagkos, host), 18 March 2019.

“What Is the Role of People in an Age of Intelligent Machines?” **Grand Challenges annual lecture series**, Keele University, hosted by their Institute of Liberal Arts and Sciences, 13 February, 2019.

“Human Control of Machine Intelligence”, [Law, Technology, and Society Lunchtime Series](#) ( Thomas Buocz, host) University of Natural Resources and Life Sciences (BOKU), Vienna, 13 December 2018.

“Ethical and Responsible AI – What Do We Need to Think About?” *5th #Data Master Class: On Responsible AI*, Paris, 9 November 2018.

“There Is No AI Ethics — Five Reasons Not to Other AI,” (plus highlights concerning regulation given recently to the EC), Google’s Ethical AI team (Margaret Mitchell, host), Seattle, 9 August 2018.

“Anthropomorphising AI Is an Impediment to a Stable Society,” Microsoft Research Seminar, Jaime Teevan and Ece Kamar, hosts, Seattle, 6 August 2018.

“Patience Is Not a Virtue: Why Moral Actions Do Not Require Moral Subjects,” invited talk at *Are Technologies Engineering Human Identity?* a SMART Ethics Workshop (chair: Raja Chatila), Sorbonne Université, Paris, 4 July 2018.

“Why Robots Must Be Property,” Edinburgh Centre for Robotics, Heriot-Watt University (Verena Rieser, host), Edinburgh, 30 May 2018.

Three talks at the MindFire Mission 1 meeting, in Davos, Switzerland 12–14 May 2018.

- “The Ethical Principle of Transparency for Artificially Intelligent Romantic Companions”
- “Towards Human-Level AI: A Role for Consciousness”
- “From psychology to robots to philosophy to biology: tips from an interesting academic life”

“Transparent and Accountable AI and Machine Learning: A Role for Professional Organisations,” first act of a double bill with Thomas Bradley (CTO of Nvidia), *AI & Machine Learning: the need for standards and an example of the latest in hardware solutions*, BCS Bristol Branch, Bristol, 18 April 2018.

[The Moral, Legal, and Economic Hazard of Anthropomorphising Robots and AI](#), Innovations Talk, School for the Future of Innovation in Society, Arizona State University (Miles Brundage, host), Phoenix, 2 April 2018.

“Patience Is Not a Virtue,” *W3995: AI Safety, Ethics, and Policy*, Columbia University (Chad DeChant, host), New York City, 28 March 2018.

- “Generating Publics for your Goods Investment: Trust, Inequality, and Polarization,” Mind, Technology, and Society Talk Series, Cognitive and Information Sciences, University of California, Merced (Paul Smaldino, host), 19 March 2018.
- Panellist at a corporate event on AI in finance sharing the stage with among others the robot called Sophia. London, 3 March 2018.
- Invited lecture series as Whidden Lecturer:** “The Good, The Bad, and The Synthetic: A New Perspective on Sociality,” (academic talk) and “We Didn’t Prove Prejudice Is True: Why and When Machines Have Human Bias” (public talk). Also “Models and Morality: How Can Computing Contribute to Knowledge?” a graduate student breakfast talk. McMaster University (Eugenia Zuroski, host), Hamilton, Ontario, Canada. 28 February–2 March.
- “[A discussion of AI ethics](#)”, Cambridge University Ethics in Mathematics Society (CUEiMS, hosted by Maurice Chiodo), 12 February 2018.
- “Can Interactive Intelligent Artefacts Be Ethical?” Cyber Security Seminar Series, Department of Computer Science, University of Oxford, 2 February 2018.
- [Ethical issues in AI](#), a Machine Learning tutorial for Imperial College London. Consisted actually of two different talks, “We didn’t prove prejudice is true: Why and when machines have human bias,” and “Embodiment versus memetics: Moral responsibility in an era of semantic machines.” London, 31 January 2018
- “Artificial Intelligence and Real Knowledge,” Sage Publishers (Ian Mulvaney), London, 14 December 2017.
- Invited lecture series as Visiting Professor for Gender Studies:** “We didn’t prove prejudice is true: Why and when machines have human bias,” and “Why AI ethics is a feminist issue: The legal and moral lacuna of machine rights;” also **postgraduate seminar series:** *Using the tools of theoretical biology and AI social simulation to understand human behaviour* “(1) Some Research and Methods in and Using Artificial Intelligence,” “(2) Primate Social Organisation,” “(3) Why Information Can Be Free: Culture, Cooperation, and Trust,” and “(4) Cultural Variation in Public Goods Investment and Political Polarisation.” The Center of Excellence “Cognitive Interaction Technology” (CITEC), Bielefeld University, 16–22 November 2017.
- Distinguished lecture,** “AI Ethics: Artificial Intelligence, Robots, and Society,” Interdisciplinary Lab for Intelligent and Adaptive Systems (ILIAS, Christoph Schommer), University of Luxembourg, 7 November 2017.
- “Of, For, and By the People: The Legal Lacuna of Synthetic Persons” Delft Design for Values Institute (Jeroen van den Hoven and Virginia Dignum), Delft University, 10 October 2017.
- “Human Autonomy and the Hazards of Principle Agency in an Era of Expanding AI”, *Collibra* (Pieter De Leenheer), New York, NY, 1 August 2017.
- “Transhumanism, AI, and Society”, Chair Ethique et Transhumanisme, Catholic University of Lille, France, 12 July 2017.
- “Understanding the impact of artificial intelligence on human society”, *Workshop experiments, morals and machines*, Lille, France, 11 July 2017.
- “Does Identifying with AI Affect Human Society?” Softbank Robotics (Angelica Lim), Paris, France, 10 July 2017.
- “Postfactualism, Polarisation, and the Computational Utility of Human Identity”, keynote, UCL annual Complexity students retreat, Cumberland Lodge in Windsor Great Park, 30 May 2017.
- “Current and Potential Impacts of Artificial Intelligence and Autonomous Systems on Society” **30-page commissioned whitepaper for the OECD**, delivered 15 May 2017, cf. BBVA publication in 2019.
- “Generating Publics for your Goods Investment: Trust, Inequality, and Polarization”, The Institute for New Economic Thinking at the Oxford Martin School, (Eric Beinhocker) Oxford University
- Invited speaker and panellist in the panel “Ethics of Machine Learning Research” at *Center for Information Technology Policy (CITP) Conference: Ethics of Computer Science Research* Princeton, NJ, 5 May 2017. [video](#)

- “There Is No AI Ethics: What Machine Prejudice Teaches Us About Ourselves”, *Airbnb Data Science and Analytics Learning Lunch*, San Francisco, CA. 16 March 2017.
- Keynotes** (two): “Embodiment versus Memetics: what AI semantics tells us about human intelligence,” and “Human Autonomy and the Hazards of Principle Agency in an Era of Expanding AI” *Moral Machines? Ethical Implications of Contemporary Robotics*, ETH, Zürich, 23–24 February 2017. [videos](#)
- “Human Autonomy & the Hazards of Principle Agency in an Era of Expanding AI” followed by a discussion of the Draft Report of the European Parliament Resolution on Civil Law Rules on Robotics, *Technology & Society Reading Group, Center for Information Technology Policy*, Princeton University, 17 January 2017.
- “Generating Publics for your Goods Investment: Trust, Inequality, and Polarization”, Lichtenstein Institute for Self Determination, Princeton University (Wolfgang Danspeckgruber), 1 December 2016.
- “Generating Publics for your Goods Investment: Trust, Inequality, and Polarization”, The Interacting Minds Centre, Århus University (Andreas Roepstorff), 25 November 2016
- “Five Reasons Not to Personify AI”, Elisa Academy (for Journalists and Media), Helsinki, Finland 24 November 2016.
- “Five Reasons Not to Personify AI”, **keynote**, *Workshop on Responsible Robotics* (Arto Laitinen), University of Tampere, 23 November 2016.
- “Cooperative is not boolean: How we choose publics for our goods investment”, The Political Economy Research Group (PERG), with the Political Behavior Research Group (PolBeRG), at Central European University, Budapest, 5 October 2016.
- “The computational utility of human identity”, Magyar Tudományos Akadémia (Hungarian Academy of Science), Budapest, 4 October 2016.
- “Embodiment vs Memetics: Intelligence, Language, and the Place of AI in Human Society” , School of Computer Science (Kristinn Thórrison), Reykjavik University, 16 September 2016.
- “Privacy vs. Public Memory”, Technology and Society Working Group, Center for Information Technology Policy, Princeton, 26 April 2016.
- “AI, Privacy, and Human Identity”, Interdisciplinary Center for Bioethics, Yale University (Wendall Wallach), Autumn 2016.
- “The evolutionary and computational utility of human identity”, Center for Computational Molecular Biology , Brown University (Daniel Weinreich), 2 March 2016.
- “Learning, Evolvability, and GRN (or How we could all get rich)”, Weinreich Lab, Brown University (Daniel Weinreich), 1 March 2016.
- “The evolutionary and computational utility of human identity”, Pentlandians, Media Lab , MIT (Sandy Pentland), 1 March 2016.
- “The computational utility of human identity”, Cognitive Science, Tufts University (Daniel Dennett), 29 February 2016.
- “Understanding and addressing the anti-social punishment of investment in the public good”, Center for Information Technology Policy, Princeton University, 17 December 2015.
- “Embodiment versus Memetics: Intelligence, Language, and the Place of Robots in Human Society,” EECS Distinguished Lecturer Seminar Series, Queen Mary, University of London, 9 December 2015.
- “Gamifying Social Order”, Entertainment Intelligence Lab (Mark Riedl), Georgia Institute of Technology, 4 December 2015.
- “Cognition, communication, dominance, and risk: Finished and unfinished models of the socioecology of cognitive strategies”, Daniel Rubenstein’s Group, Ecology and Evolutionary Biology, Princeton, 6 November 2015.
- “What If We All Get Smarter? An Ecological Perspective on Cognition, Computation, Human Society, and Artificial Intelligence”, Centre for Quantum Photonics, University of Bristol (Jeremy O’Brien), 9 October 2015.

- “Costly punishment as a strategy for optimising public goods investment”, Levin Lab Tea (Simon Levin), Ecology and Evolutionary Biology, Princeton, 23 September 2015.
- “Costly punishment as a strategy for optimising public goods investment”, Social and Cultural Evolution Working (SCEW) Group (Erol Akçay), University of Pennsylvania, Philadelphia, 4 September 2015.
- “Semantics, Consciousness, Ethics. . . The Reality of AI Kicks Philosophy Out of the Armchair”, Philosophy, Psychology, and Informatics Reading Group; Department of Philosophy (David Carmel), Edinburgh, 21 January 2015.
- “Regulating the Singularity”, Centre for Research in Intellectual Property and Technology Law, Edinburgh, 27 May 2014.
- “Containing the Intelligence Explosion: The Role of Transparency”, Oxford Martin School, University of Oxford, 14 May 2014.
- “From OOD to Moral Subjectivity: What Does It Take to Build ‘Real’ AI?”, Department of Informatics, Edinburgh, 17 January 2014.
- “Designing Intelligent Systems”, Space Information and Remote Sensing Laboratory (Jihao Yin), Beihang University, Beijing, China, 10 August 2013.
- “Costly punishment as a strategy for optimising public goods investment” Department of Ecology and Evolution (Laurent Lehmann), Université de Lausanne (UNIL), Switzerland, 16 July 2013.
- “From OOD to Moral Subjectivity What Does It Take to Build ‘Real’ AI?” The Learning Algorithms and Systems Laboratory (LASA, Aude Billard), École Polytechnique Fédérale de Lausanne (EPFL), Switzerland, 15 July 2013.
- “From OOD to Moral Subjectivity: What Does It Take to Build ‘Real’ AI?”, Institute for Artificial Intelligence, University of Bremen, 11 January 2013.
- “Dominance, Aggression and Public Goods Investment: Explaining Anti-Social Punishment”, Mannheimer Zentrum für Europäische Sozialforschung, Mannheim, 6 November 2012.
- “From OOD to Moral Subjectivity: What Does It Take to Build ‘Real’ AI?”, Department of Computer Science, Birmingham, December 2012.
- “Cognition, Culture and Social Investment: Computational and Evolutionary Perspectives”, Department of Biosciences, University of Exeter (Sasha Dall), 15 November 2012.
- “Cognition, Culture and Social Investment: Computational and Evolutionary Perspectives”, Department of Computer Science, Sheffield, 12 November 2012.
- “Understanding Antisocial Punishment of Public Goods Contributors”, *Behavioural Finance and Economics Workshop*, Bath, 8–9 October, 2012.
- “Bonds that Make Us Freer: The Role of Cognition in Constructing Cognitive Systems”, *Informatics Institute*, University of Amsterdam, 29 May 2012.
- “Cognition, Culture & Social Investment: Computational and Evolutionary Perspectives”, *Department of Zoology*, Cambridge, 23 May, 2012.
- “Cognition and Ecology: What Nature Tells Us About Autonomy”, *Department of Informatics*, University of Edinburgh, 12 December 2011.
- “Understanding Cultural Variation in Social Behaviour: A Simulation-Based Approach to Anthropology”, *Department of Computer Engineering*, Koç University, Istanbul, 2 December 2011.
- “Cognition and Ecology: What Nature Tells Us About Autonomy”, *Centre for Research in Cognitive Science (COGS)*, University of Sussex, 20 October 2011.
- “Evolution and information: The biology of social learning.” *Evolution@Bath&Bristol*, Bath, 26th September 2011.
- “Sharing Information: The Adaptive Value of Social Behaviour”, The Learning Algorithms and Systems Laboratory (LASA, Prof. Aude Billard), École Polytechnique Fédérale de Lausanne (EPFL), Switzerland, 15 June 2011.

- “Why Information Can Be Free: The Evolutionary Origins of Collective Intelligence”, Human Dynamics Laboratory (Alex Pentland), The Media Laboratory, Massachusetts Institute of Technology (MIT), 17 May 2011.
- “Modelling the evolution of social behaviour: Can sharing valuable information be adaptive?”, Ecology and Evolution Group (Prof. Torben Dabelsteen), Department of Biology, University of Copenhagen, 13 May 2011.
- “The Utility of Human Social Motivations: Biology, Individuality, and Culture”, Department of Computing (Eduardo Alonso), City University London, 28 February 2011.
- “Modelling social evolution: The role of space & time in the evolution of co-operation”, Human Evolutionary Ecology Group (Prof. Ruth Mace), Department of Anthropology, University College of London, 25 January 2011.
- “The Utility of Human Social Motivations: Biology, Individuality, and Culture”, School of Computing and Mathematics (James Borg), Keele University, UK, 17 November 2010.
- “The scientific application of agent-based modelling: From biology to anthropology”, The Department of Software and Computer Science Education (Cyril Brom), Charles University, Prague, 19 November 2010.
- “The Biological Basis of Human Social Motivations: Selective Pressure for Culture and Individuality”, Faculty of Social Sciences, Carl von Ossietzky Universität Oldenburg, 31 May 2010.
- Joanna J. Bryson and Will Lowe, “Agent-Based Modelling for Social Science: Modelling & Cultural Evolution”, invited presentation to *The Second EXREL (Explaining Religion) Project Conference*, Centre for Anthropology and Mind, Oxford, UK; 17–19 August 2009.
- “Adaptive Trade-Offs Concerning Cognition and Culture”, Oxford University, Department of Experimental Psychology, 16 June; also Oxford University, Centre for Anthropology & Mind, 17 June 2009.
- “Understanding Human Social Motivations: Modeling the Evolution of Cognition and Culture”, Central European University, Department of Philosophy, Budapest 2 June 2009.
- “Time for AI”, The Austrian Institute for Artificial Intelligence (ÖFAI), Vienna, 14 May 2009.
- “Evolving Origins of Behaviour: Imitation, Culture and Cognition”, University of Sussex, Brighton UK, 6 May 2009.
- “What limits the biological evolution of cultural evolution?”, Institute of Ecology and Evolution, Bern University, 25 February 2009.
- Two talks (in a small one-day workshop): “Time for AI” and “Why information can be free: The evolution of altruistic communication and its impact on social learning”, Department of Computer Science, Charles University Prague, 30 January 2009.
- “The Role of Cognition in Cognitive Systems”, AI Lab, Department of Informatics, University of Zürich, 9 December 2008.
- “Why information can be free: The evolution of altruistic communication and its impact on social learning”, Department of Behavioural Biology, University of Utrecht, 18 November 2008.
- “Why information can be free: The evolution of altruistic communication and its impact on social learning”, The Konrad Lorenz Institute for Ethology, Wilhelminenberg Seminar, 12 November 2008.
- “What limits the biological evolution of cultural evolution? Modularity in evolution and learning”, School of Computer Science, The University of Birmingham, 13 June 2008.
- “What limits the biological evolution of cultural evolution? Modularity in evolution and learning”, School of Computer Science, The University of Nottingham, 11 June 2008.
- “What limits the biological evolution of cultural evolution? Modularity in evolution and learning”, Centre for Policy Modelling, Manchester Metropolitan University, 10 June 2008.
- “What limits the biological evolution of cultural evolution? Modularity in evolution and learning”, The Konrad Lorenz Institute for Evolution and Cognition Research, Vienna, 5 June 2008.

- “State Requirements for Action Selection”, Center for Connected Learning and Computer-Based Modeling, Northwestern University, 3 April 2008.
- “Conflict and Collaboration: Modeling Primate Social Behavior”, Centre for Complexity Science, Imperial College London, 15 January 2008.
- “A Primer on AI for Domestic Robots: Does Thinking Help?” Centre for Non-Linear Mechanics, University of Bath, 20 November 2007
- “The Role of Cognition in Cognitive Systems” School of Computer Science, University of Birmingham, 9 October 2008.
- “Action Selection for Human-Like Intelligence”, Lionhead Studios, Guildford, UK 2 July 2007.
- “Why Information Can Be Free”, Department of Psychology, University of Chicago, 10 April 2007.
- “Action Selection for Human-Like Intelligence”, Center for Technology & Social Behavior, Northwestern University, 4 April 2007.
- “Semantics from Memetics” , Centre for Cognitive Neuroscience and Cognitive Systems, University of Kent, 14 March 2007.
- “Evolving Cultural Evolution”, The Konrad Lorenz Institute for Evolution and Cognition Research, Vienna, 12 March 2007.
- “Embodiment vs. Memetics”, Department of Philosophy, Universiteit Utrecht, 26 September 2006.
- “Action Selection as Intelligent Systems Integration”, Google, Mountain View, CA, 15 August 2006.
- “Intelligence by Design”, Joanneum Research, Graz, Austria, 4 July 2006.
- “Intelligence by Design”, Boeing Phantom Works, Seattle, 7 June 2006.
- “Conflicts & Collaboration: Modelling of the Evolution of Primate Social Behaviour”, Department of Psychology, University of Sheffield, 12 May 2006.
- “Intelligence by Design”, Centre for Interactive Intelligent Systems, University of Plymouth, UK, 28 April 2006.
- “Intelligence by Design”, Department of Software and Computer Science, Univerzita Karlov (Charles University), Prague, 14 January 2006.
- “Intelligence by Design”, School of Computer and Communication Sciences, EPFL, Lausanne, Switzerland, 18 November 2005.
- “Conflicts & Collaboration: Agent-Based Modelling of Primate Social Behaviour”, Artificial Intelligence Lab, Department of Informatics, University of Zurich, 15 November 2005.
- “Conflict and Collaboration: Modeling Primate Social Behavior”, Northwestern Institute of Complex Systems (NICO), Northwestern University, 18 October 2005.
- “Modularity, specialization, and an innate bias for reason”, Department of Physiology, Northwestern University, 17 October 2005.
- “Building and Organising Heterogenous Modular Intelligent Systems: Intelligence by Design”, Bath Institute of Complex Systems, 9 May 2005.
- “Complex or Complicated? Agent-Based Models of Primate Societies”, Middlesex University (London), 9 February 2005.
- “Humanoid Faces for Assistive Ambient Intelligent Technology”, Bath Institute of Medical Engineering, Royal United Hospital, UK, 7 February 2005.
- “Humanoid Faces for Assistive Ambient Intelligent Technology”, The Institute for Learning and Research Technology, University of Bristol, UK, 18 November 2004.
- “Humanoid Faces for Assistive Ambient Intelligent Technology”, Institute for Ageing and Health, University of Newcastle, UK, 22 September 2004.
- Invited lecture series:** “Reactive and Behavior-Based AI”, “Consciousness is Easy but Learning is Hard”, “Intelligence by Design”, Electronics and Telecommunications Research Institute (ETRI), South Korea, 16–18 August 2004.

“Intelligence by Design”, Korea Advanced Institute of Science and Technology (KAIST), 18 August 2004.

“Reactive and Behavior-Based AI” and “Intelligence by Design”, School of Electrical and Computer Sciences, Hanyang University, South Korea, 19 August 2004.

“Intelligence by Design”, Department of Computer Science, University of Hertsfordshire, 20 April, 2004.

“Modularity, specialization, and an innate bias for reason”, Department of Computer Science, University of Birmingham, 26 January 2004.

“Conflict Resolution in Monkeys, Agents and Modules”, Institute of Informatics, Humboldt University, 16 December 2003.

“Intelligence by Design”, Department of Computer Science, University College Dublin, 23 June 2003.

“Conflict Resolution in Monkeys, Agents and Modules” Department of Computer Science, University of Nottingham, 15 May 2003.

“Modularity, specialization, and an innate bias for reason”, Centre for Mathematical Biology, University of Bath 30 April 2003.

“Modularity, specialization, and an innate bias for reason”, Division of Informatics Programme of Reasoning Seminar, University of Edinburgh 2 August 2002.

“Modularity in Artificial and Natural Intelligence”, Computer Science Department at the University of Vermont, 26 February 2002

“Intelligence by Design: Principles of Modularity and Coordination for Engineering Complex Adaptive Agents”, BBN, Cambridge MA, 16 October, 2001

“Simple Heuristics in Complex Agents”, Adaptive Behavior and Cognition Group, The Max Planck Institute of Human Development, Berlin, 28 August 2001.

“Intelligence by Design: Principles of Modularity and Coordination for Engineering Complex Adaptive Agents”, Cambridge Basic Research (Nissan), 23 April, 2001

“Making Modularity Work: Progress in Complete Agent Architectures”, Oberlin College, Department of Computer Science, 3 November, 2000

“Intelligence by Design: Specialized Learning and Behavior-Based AI” Machine Learning Research Group, The University of Bristol; 30 May, 1999

“What’s Wrong with Behavior-Based AI (and How to Fix It)” University of Aarhus (Denmark), Department of Computer Science; 26 May, 1998

“Dynamic Cognitive Architectures and Artificial Intelligence”, Glasgow Caledonian University, Department of Psychology; 18 October, 1996

“What’s Wrong with Behavior-Based AI (and How to Fix It)” University of Wales, Aberystwyth; Department of Computer Science; 25 July, 1996

“What’s Wrong with Behavior-Based AI (and How to Fix It)” Free University of Brussels, Artificial Intelligence Laboratory; 20 June, 1996

“What’s Wrong with Behavior-Based AI (and How to Fix It)” University of Zurich, Artificial Intelligence Laboratory; 18 June, 1996

“The Human-Computer Interface — Applications in AI”, Living Neurons on Silicon Group, University of Edinburgh 15 May, 1996

“When Robots Hum Along: Music meets Behavior-Based AI” AI and Music Group, University of Edinburgh; 8 May, 1996

“Complex Behavior in Reactive, Behavior-Based Systems” Robot and Vision Group, University of Edinburgh; June, 1995

“The Humanoid Project (or What’s Happening at MIT)”, Computer Science Department, Trinity College, Dublin; 25 March 1994

## Public Policy: Talks, Panels, Expert Consultations, Meetings

*Notes: Authored policy documents are listed by how published, not here. Primarily academic meetings on policy are under academic talks. See also [Board and Council Memberships](#), p.4.*

One of 12 invited experts, [Expert consultation on Human Rights and Artificial Intelligence](#), convened by Michael O’Flaherty, Council of Europe Commissioner for Human Rights. Paris, 27–28th May 2025.

Invited panellist, [Will AI make us more productive? OECD experiences and policies](#), (Outstanding) Presentations: Peter Gal and Boris Cournède, OECD Discussants: Joanna Bryson, Ana Dujić, Gastón P. Fernández, Jonathan Foureur, Ziv Katzir, and Nicola Brandt (chair). Online, 22 May 2025.

Invited participant and speaker [Clicking the pause: The role of Transatlantic cooperation in AI Supervision](#). An Advanced Research Workshop under the NATO Science for Peace and Security Programme. I spoke on two panels (10 minute talks, no titles):

- The Ethics of Artificial Intelligence
- Global governance in AI Supervision

University of Salamanca, 8–9 May 2025.

“KI in der Arbeitswelt: Labour, security, regulation” talk to the CDU Arbeitsgruppe „Künstliche Intelligenz in der Arbeitswelt“ (Leonard Baum, host), online, 23 April 2025.

Acknowledged for contributions, [Technology and Innovation Report 2025: Inclusive artificial intelligence for development](#), United Nations Conference on Trade and Development (UNCTAD) annual report (UNCTAD/DTL/TIR/2025); 7 April, 2025.

Invited Keynote, “AI Security: Europe, China, and Other Places” for *DGAP-Forum: The Geopolitics of AI* (German Council on Foreign Relations), Berlin, 1 April, 2025.

Private consultation on AI and human rights, to Hristijan Koneski, Adviser Conseiller of the Office of the Commissioner for Human Rights, Council of Europe. Strasbourg, 13. February 2025.

Invited participant, [AI Action Summit](#) (Grand Palais, 10. February), and panellist, [AI Business Day](#) (Station F, 11. February), “[Building trustworthy AI: balancing innovation, responsibility, and democratisation](#)” with, Nathalie Beslay (Advokat), Natasha Crampton (Microsoft), Sean Perryman (Uber), Leon Derczynski (was meant to be Nikki Pope, Nvidia), and Anik Bose (BGV). Also attended the Meta Advisory Board off-the-record wrap up lunch on 12. February. Paris, 2025.

Invited participant, roundtable discussion *Democracy in the Age of AI: Innovations and Impacts in 2025*, with Dr. Heather Ashby, Corner Alliance. US Embassy, Berlin, 22 January 2025.

Invited panellist, [AI, Global Governance, and Security](#), from *AITech Dialogues: AI & the Future of Security* Aspen Institute Germany, with Microsoft Germany, Berlin, 5 December 2024.

Invited panellist, *AI and Democracy? The Effect of AI Systems on Elections*, with Julius van de Laar, Anke Domscheit-Berg, MdB, Stefan Voß, and Tim Stuchtey (moderator), [AI@HPI Conference: Shaping an AI landscape defined by responsibility](#), Potsdam, 3–4 December 2024.

Invited participant and session chair, [DMA enforcement: Trends and gaps in the first year of application](#), Brussels, 21–22 November 2024.

Invited participant, [AI Policy Summit](#), Stockholm, 14–15 November 2024.

Expert participant, consultation by , Technology and Innovation Policy Research Section, for a Technology and Innovation Report focused on AI (forthcoming in April). Online, 5 November 2024.

Invited panellist, “Emerging AI Risks: Aligning Platform and AI Regulation” with Jens Zimmermann, MP (SPD) and Lisa Soder. Institute for Strategic Dialogue (ISD), [Digital Policy Lab Summit 2024: Securing Information Integrity in a Challenging World](#), Embassy of Canada to Germany, Berlin, 16–17 October 2024.

Invited panellist, “How can the EU become a global leader in AI innovation?” [Research meets Politics: What does Europe need to be competitive in Artificial Intelligence?](#) French Embassy, Berlin, 1 October 2024.

Invited personal consultation, Ambassador Amandeep Singh Gill, Secretary General’s Envoy on Technology and his team, concerning the agenda of the UN SG’s Advisory Body on Artificial Intelligence, with Ayaka Suzuki, David Michael Kelly, Irsa Ashraf, and Robert Kirkpatrick. New York, 12 August 2024.

Invited personal consultation / small group presentation, [Tony Blair Institute for Global Change](#) (TBI; Jakob Mökander, host), concerning the regulation of AI, London, 29 July 2024.

Invited participant, *Aspen Transatlantic conference on Artificial Intelligence*, “*Our digital future: geoeconomics and security in the AI era*”, the meeting of Aspen Institute Italia, Roma, 8–9 March 2024.

Invited Attendee, “Aspen International Conference on Artificial Intelligence: Our digital future: Geoeconomics and security in the AI era” Rome, 9 July 2024.

Invited attendee, AI Action Summit 2025—exchange with French President Macron’s Special Envoy Anne Bouverot, German consultation, French Embassy, 8 July 2024.

Invited participant and panellist, “AI and Democracy: Exploring the Global Impact through the lens of UNESCO Recommendation,” panel on [Policy Dialogue on AI Governance](#), Paris, 27 (closed) and 28 (public) June 2024.

Invited panellist, two (of three) panels: “Shaping and Governing AI for Today and Tomorrow”, and “AI: The Next Frontier in Competition and Consumer Policies” [Berlin Centre Consumer Policies \(BCCP\) Conference and Policy Forum AI: Prospects, Challenges, and Regulation](#) 14 June 2024.

Invited panellist, “Entangled Autonomy and the Cost of EU’s Independence,” Next 100 Symposium, Global Arena Research Institute, Berlin, 16 May 2024.

Invited panellist, “Exploring Euro-Med cultural diversity in digital, technological, and information ethics”, at the Anna Lindh Foundation (ALF) Policy Debate, *AI Ethics Across Borders: Forging Intercultural Approaches in the Euro-Med Region*, Brussels, 14 May 2024.

Invited speaker and panellist, The European Digital Media Observatory (EDMO) panel *disinformation and AI as a challenge*, at the [EDMO Annual Conference](#) Brussels 13 May 2024.

Invited speaker and panellist, with Raluca Csernaton, and J.P. Singh. Hadrien Pouget (moderator), [Advancing a Transatlantic AI Agenda](#), The Carnegie Endowment for International Peace, online, 18 April 2024.

Invited panellist (with Steve McFeely, WHO and Alex Tamkin, Anthropic), “UNHRC Emerging Technology Reference Group Artificial Intelligence Brown Bag Discussion,” online, 12 April 2024.

Invited panellist, [The 2023 AI and Democratic Values Index](#), moderator: Karine Caunes, Centre for AI and Digital Policy, hybrid, ‘Washington DC’, 4 April 2024.

Invited participant and panellist, panel “Artificial Intelligence: unknowns, opportunity and risk” at *Assessing Risk: business in global disorder*, the meeting of Aspen Institute Italia, Venice, 8–9 March 2024.

Invited high-visibility signatory on a letter asking Germany not to block the AI Act. This was reported

- in the Tagesspiegel Background: Digitalisierung & KI, 29 January 2024.
- on the Tagesspiegel website [Regulierung von ChatGPT und Co.: Breites Bündnis fordert Zustimmung zu KI-Gesetz](#) I’m the only individual signatory named.
- by the Taiwanese government [Industry, economics, and academia urge the German federal government to support the artificial intelligence bill](#), ditto on the naming.

Acknowledged feedback on the document [A Complex Adaptive System Framework to Regulate Artificial Intelligence](#), an *Economic Advisory Council to the Prime Minister of India* report by Sanjeev Sanyal, Pranav Sharma, and Chirag Dudani, January 2024.

“AI and Human Rights: Implementing Global AI Governance in Practice” Invited participant and sole **keynote**, [Expert Workshop on Artificial Intelligence and Human Rights](#), hosted by the German Federal Foreign Office (Regine Grienberger, Cyber Ambassador), at the ESMT, Berlin, 18–19 December 2023.

Invited panellist, with Gabriela Ramos, Ajay Kumar Sood, Pandu Nayak, David Leslie, Madhulika Srikumar, Manu Chopra, and Sarayu Natarajan (chair), [Mitigating Social Risks For A Safe And Resilient Society](#), a panel at the [Global Partnership on Artificial Intelligence \(GPAI\) Annual Summit](#), Delhi, 12–14 December 2023.

Invited participant, [Singapore Conference on AI: For the Global Good](#), Singapore, 4–5 December 2023.

Invited participant, Anti-monopoly global convening event, [Balanced Economy Project](#), Potsdam, 29 November–1 December 2023.

“Don’t Fear the Regulator,” invited **keynote**, [AI-Revolution: Wie künstliche Intelligenz unsere Welt verändert](#), *Konferenz der Fraktion der Freien Demokraten*, Berlin, 28 November 2023.

Invited participant, “Generative AI in Government and Policymaking”, one of [Data Innovation Lab’s](#) Data Talks, Berlin, 27 November 2023.

Forum participant (and discussant) [Effective DMA Enforcement between Opportunities and Challenges](#), Brussels, 22 November 2023.

Invited Participant “virtual private deep dive on the UK Online Services Act” *Atlantic Council’s Europe Center and Digital Forensic Research Lab*, 20 November 2023.

Invited guest (1 of 20), *Chatbots, Bard & Generative AI at Google*, “Exclusive interactive dinner with Federal Minister Stark-Watzinger and Google Bard co-inventor Jack Krawczyk”, Berlin, 24 October 2023.

Invited, filmed, (but not paid) participant, [Intelligence Rising: A Strategic Exploration of AI Futures](#), Game 2: Creators vs. Protectors. Sponsored in part by the Tony Blair Institute. London, 14 October 2023.

Invited participant, in-person stakeholder roundtable, *AI Entanglements: Assessing the Tradeoffs of European-Chinese Collaboration*. Mercator Institute for China Studies (MERICS), with support of the German Federal Foreign Office, Berlin, 27 September 2023.

Roundtable participant, Meta: Building Responsible AI Agents at Meta (fee, donated to Hertie School). Online, 25 September 2023.

Invited panellist, [Panel 1: Regulation of Generative AI](#), *WIPO Conversation on Intellectual Property (IP) and Frontier Technologies Eighth Session*, ‘Geneva’ / Online, 20–21 September 2023.

Invited panellist (with Daniela Brönstrup and Ana Chubinidze) [The Ethical Dimension of AI — Where Will this Journey Head to?](#) *Aspen Germany: Digital Dish Series*, Berlin, 19 September 2023.

Invited participant, expert hearing on the topic “Business and science location Germany for Artificial Intelligence”, *SPD Economic Forum* (“*Wirtschaftsforum SPD e.V.*”), online (Berlin), 18 September 2023.

Invited Participant, then made part of a ‘core group of experts’ [UNODA-SIPRI Multi-Stakeholder Dialogue. Responsible innovation in AI for peace and security](#),

- [Preliminary event](#) 14 September 2023.
- Additional events as expert: 25 October 2023, 29 November 2023, more anticipated 2024.

“Digital Governance: Real and Artificial Concerns for Real and Artificial (Generative) Intelligence” invited talk and participant, [Digital Policy Lab Summit](#), organised by the Institute for Strategic Dialogue and the German Federal Foreign Office (Auswärtiges Amt), Berlin, 13–14 September 2023.

Invited panellist, “Regulating AI to safeguard democracy: Where to start?” for [DisinfoCon](#), hosted by [Democracy Reporting International](#), funded by the German Federal Foreign Office, Berlin, 12 September 2023.

Invited participant [World Economic Forum Annual Meeting of the New Champions](#), a member of two panels: [Keeping Up: AI Readiness Amid an AI Revolution](#), with Paula Ingabire, Olaf Groth, Liu Jiren, Joanna Bryson, and Darko Matovski, and “Pundits, Professors and Their Predictions.” Tianjin, People’s Republic of China. 27–29 June 2023.

Invited attendee, [Cyber in Conflict: Supporting Partners & Avoiding Escalation](#) (Shaping Cybersecurity 2023), organised by German Federal Foreign Office, the Institute for Peace Research and Security Policy (IFSH) and the Digital Society Institute (DSI) at ESMT. Berlin, 19 June 2023.

Roundtable participant, Meta: Discussion on potentially misleading generated AI content. Online, 14 June 2023.

Presenter of the European perspective, on “Theme 1: US and EU approaches to reigning in AI” *Transatlantic approaches to controlling the development and trade of AI and AI-enabling technologies: A discussion with Seth Center*, roundtable hosted by the European Council on Foreign Relations, Berlin, 9 June 2023.

Invited panellist—with Steven Feldstein, Shabnam Mojtahedi, and Felix Kroll— [Strategies to limit the use of AI-driven technologies for repressive and authoritarian purposes](#), *RightsCon* hosted by Freedom Online Coalition (FOC), German Federal Foreign Office, Task Force on AI and Human Rights (T-FAIR), Costa Rica hybrid, online, 8 June 2023.

“Digital Governance: Real and Artificial Concerns for Real and Artificial Intelligence”, talk for a panel, *Our Shared Digital Future: human development & digital technology linkages* (with Martin Korte, Hod Lipson, and Emma Ruttkamp-Bloem), [Thematic Consultation: Our Shared Digital Future](#), by the United Nations Development Programme (UNDP) Human Development Report (HDR), online, 1 June 2023.

Invited participant, “Roundtable on UK AI regulation and General Purpose AI,” Ada Lovelace Institute / Nuffield, online, 22 May 2023.

Invited panellist and participant *Responsible AI Leadership: A Global Summit on Generative AI* hosted by the World Economic Forum. Panel: *System-Level Challenges and Opportunities*, with Uyi Stewart (chair), Yoshua Bengio, Silvio Savarese, and Steven Mills. Afterwards, further participating in producing the outcome: [The Presidio Recommendations on Responsible Generative AI](#). San Francisco, 27–28 April 2023.

Invited attendee, “Africa’s growing Crypto Market: opportunities, disputes, and shared experiences” ,3VB’s International Advisory and Dispute Resolution Unit (IADRU), London, online, 19 April 2023.

Invited attendee, [Security and Prosperity: The Euroatlantic Order in a Polycrisis World](#), *German Marshall Fund*, 75<sup>th</sup> Anniversary Event, Berlin, 28 March 2023.

Invited panelist, [Strategies to limit the use of AI-driven technologies for repressive and authoritarian purposes](#) with Steven Feldstein, Shabnam Mojtahedi, Felix Kroll, and Zachery Lampell (ICNL, chair), *RightsCon*, ‘Costa Rica’, 8 June 2023.

Invited round table (lunch), “AI governance in Europe: Protecting democracy and innovation” one of 20 invited participants, including Lucilla Sioli, Director for AI, European Commission, and Dragoş Tudorache, MEP, AI Act Rapporteur, European Parliament. EPC Chief Executive’s Table series, Brussels, 24 March 2023.

Invited speaker and participant, “Responsible use of data and AI roundtable,” with Amandeep Singh Gill, Emmanuel Letouzé, Frederike Kaltheuner, Olumide Abimbola, Julia Kloiber, and Stefaan Verhulst. Co-hosted by the Data Innovation Lab, GovTechCampus and the Estonian Embassy in Berlin; online, 13 March 2023.

Invited participant, UK Parliamentary roundtable with Lord Clement-Jones and Lord Chris Holmes on Ethical AI, 22 February 2023, and 23 March 2023.

Invited participant, [Internet for Trust](#), UNESCO, Paris, 21–23 February 2023.

Invited participant (on stage briefly), [German-American Trade | Tech Conference](#), *Aspen Germany*, Berlin, 14–15 February.

Invited speaker, panellist, and participant [Reporting and Artificial Intelligence](#), *Leuven Institute for Advanced Study (LIAS)*. Participation included [a public panel by the same name](#) with Virginia Dignum and Sophie Zhang; a discussion talk “Security, the Social Communication of Meaning, and AI”, and contribution to a publication (still pending.) Leuven, 27 November – 3 December 2022.

“EU, OECD, GPAI — keeping AI good,” one of five invited talks for *Dilemmas of Disruptive Innovation: Advancing EU and OECD Governance Approaches*, as part of the EU CyberDirect / Carnegie Europe / Leiden University ‘New Tech Roundtable Series,’ Paris, 15 November 2022.

Invited attendee, *Fundamental rights in the AI Act*, hosted by Greens, EU Parliament, Brussels, 9 November 2022.

- Invited attendee, *European Commission's Radicalisation Awareness Network (RAN) Cross-cutting Event: The Online Dimension of Extremism and Improving Online P/CVE Efforts*. cf the outcome [Conclusion Paper](#) from 2 December 2022 (8 page policy brief.) Original event, Berlin, 27 September 2022.
- Invited participant, European Commission's Radicalisation Awareness Network (RAN) Policy Support group *informal symposium of experts* on the topic "Current and future threats to the European information and communication ecosystem" online, 8 September, 2022.
- Invited participant *Digital Governance: Consultation for the United Nations High-Level Advisory Board on Effective Multilateralism* on line, 26 August 2022.
- Invited attendee *German Marshall Fund / Brussels Forum*, Brussels 27–29 June 2023.
- Invited speaker and panellist (with Haykuhi Harutyunyan and Veronika Borysenko, Elizabeth Kerley, chair), "Leveraging AI to Counter Corruption" *Building Democratic Resilience: Strategies for the Information Space and Emerging Technologies*, National Endowment for Democracy, Prague, 23–24 June 2022.
- Invited attendee The United Nations Institute for Disarmament Research (UNIDIR) virtual launch of a new publication: Exploring the use of technology for remote ceasefire monitoring and verification. Online, 15 June 2022.
- "Beyond Bias: How Agreed Principles Become AI Regulation," invited talk for panel, "Operationalising AI ethics in the research domain: new challenges and practical recommendations", The European Commission's (EC) *Joint Research Centre (JRC) Science Summit* (online) 14 June 2022.
- Invited panellist and participant, [Transatlantic Dialogue on Humanity and AI Regulation Event](#), on the "Standard Setting and Values" panel. Hosted by Virginia Tech (virtually) and HEC (live!), Jouy-en-Josas (Paris), France 12–13 May 2022.
- Invited speaker and panellist (with Ursula Pachel, Mathilde Bras, and Sarah Chander, Luca Bertuzzi, chair) discussing Dragos Tudorache's keynote, *The future of AI regulation in Europe: the AI Act Proposal*, inaugural event of the [Ada Lovelace Institute in Brussels](#), 27 April 2022.
- Invited speaker and panellist, [iPRAW Conference 2022: Lethal Autonomous Weapon Systems: Different Approaches but Similar Objectives?](#) with Peter Asaro, Dieter Birnbacher, Jane Pinelis, Laura Nolan. 3 March 2022.
- Invited speaker and panellist, [Joint European Migration Network \(EMN\) / OECD Roundtable on Digitalisation in Migration Management](#). Talk: "Considerations made during the implementation of new technologies and the limits of digitalisation: Can we guarantee fundamental rights?" on the panel *Fostering governance and collaboration in migration management: Is blockchain a solution?* My answer: an unequivocal 'no', (confirmed by the next speaker!) but somehow that isn't in the summary document. Brussels, 10 February, 2022.
- Invited speaker and panellist, UK All Party Parliamentary Group on AI, special session [AI and Intellectual Property Rights: IPR protection for AI-created work](#), with David Holdsworth (UK IPO), Ryan Abbott (Surrey), Tamara Quinn (Osborne Clarke), Jason Rice (GSK), Faye Wang (Brunel), and Scott Roberts (BT). 'London', 24 January 2022.
- Invited speaker and panellist (with David Gunkel and Jacob Turner, and introductions by Matt Warner and Lord Tim Clement-Jones), "[AI and Future Generations](#)" *UK Parliament*, hosted by two All Party Parliamentary Groups: Future Generations, and Artificial Intelligence, on the topic "Expanding Moral Circle: The Rights of Robots." [This testimony](#) was given 13 December 2021.
- "Challenging the narrative: Is ethics really a barrier in the global AI race?" fireside chat chaired by Sue Daley, [techUK: Digital Ethics Summit 2021](#), 8 December 2021.
- Invited participant, "Strengthening the EU's capacity to act in tech", a "a closed door round table" hosted by the German Council on Foreign Relations (online), 2 December 2021.
- Invited panellist and participant, [Humanity Empowered: Building Resilience with AI](#) *Aspen AI Berlin Conference 2021* On the first panel "Setting the Scene" with Stefan Heumann and Kim Larsen (chair). Berlin, DE (really!) 1–2 December 2021.

Invited participant, small round table at the US Embassy, Berlin, with Deputy Assistant Secretary in the Bureau of European and Eurasian Affairs at the U.S. State Department, Molly Montgomery. 26 October 2021.

Expert panellist on the panel “Promoting technological diversification”, [AI’s Technological Diversification to Counter Market Concentration](#), European Parliament’s Socialist and Democrats’ Group, Webinar, 13 October 2021.

Expert testimony and panel discussion, “[The use of automated decision-making tools and distributed ledger technologies to improve quality and quantity of information to consumers](#)”, at the hearing [Consumer protection and automated decision-making tools in a modern economy](#), *European Parliament Committee on the Internal Market and Consumer Protection* ‘Brussels’, 27 September 2021.

Invited panellist and participant, [International Conference: Ethics and Artificial Intelligence](#) Under the patronage of the presidency of Italy, coordinated by the Aspen Institutes of Italy, France, and Germany. On the first panel “AI Ethical challenges for business and society” and the preceding press conference, with the Italian Minister of Education. Venice, IT (really!) 24–25 September 2021.

“Artificial Intelligence and Human Cooperation”, [Human-AI Teaming Through Warfighter-Centered Designs Workshop](#), The [US] National Academies of Sciences, Engineering, and Medicine, sponsored by the US Air Force Research Lab (AFRL), 28 July 2021.

Invited participant with talks on two of the three panels, [Regulation of Artificial Intelligence—Ethical and Fundamental Rights Aspects: European Union and International Perspective](#), ‘Slovenia’ (for their EU presidency), 20 July 2021.

- “Regulation of AI — Obstacle or Enabler?” for Panel 1a, *What is Artificial Intelligence and why does regulation matter?*, with Maja Bogataj Jančič (chair), Michael O’Flaherty, and Miha Lobnik.
- “AI and Other Acts” for Panel 1b, *Artificial Intelligence Act Proposal — presentation and feedback*. Presentation by Kilian Gross, Head of Unit on Artificial Intelligence Policy Development and Coordination, DG CONNECT, European Commission; other panellists were Matthias Spielkamp, and Catelijne Muller.

“Ethical challenges for governments in using new technologies in preventive efforts” talk for the panel “Challenges in policing technology for security” with Yordanka Ivanova (DG CNECT), Benjamin Muller (Center for Data Innovation), and Elliot Grainger (chair) *Prevent and New Technologies Strategic Communications Workshop*, European Commission Radicalisation Awareness Network, ‘Brussels’, 13–14 July 2021.

“Ethical use of digital technologies” panellist (with Ingrid Schneider, Ulrich Kelber, and Benjamin Stewart (chair), [African-German Leadership Academy: Governance of Sustainable Development](#) 4 May 2021.

[The German Marshall Fund’s Brussels Forum](#) in Depth: *Transatlantic Leadership on Artificial Intelligence*. One of 20 invited experts for a private discussion. 28 April 2021.

“Regulation — by whom and for what purpose?” short talk and panel participant [AI regulation at the service of industrial policy? What role should the EU play in the regulation of AI?](#), with Julia Anderson (chair), Annika Linck (Senior EU Policy Manager, European Digital SME Alliance), and Martin Ulbrich, (European Commission, DG CONNECT) the day after the EU draft AI legislation was announced, Bruegel, ‘Brussels’, 22 April 2021.

Invited expert participant, [The United Nations Institute for Disarmament Research \(UNIDR\)](#) Western Europe and North America Table-top Exercise on [the Human Element in Autonomous Weapons Systems](#) (AWS), online, 14–15 April 2021.

Invited participant, workshop on security, from the [impact of AI on freedom of expression project](#), hosted by Office of the [OSCE Representative on Freedom of the Media](#) and [Access Now](#), online, Martin Scheinin (chair), 9 April 2021.

“[The role of humans in an age of intelligent machines](#)” broadcast of my 25 May 2020 HIIG talk translated into Vietnamese, followed by live discussion by myself, Prof. Dr. Ho Tu Bao, and Dr. Duong

- Ngoc Dung. hybrid, live at the Goethe-Institut, Hanoi and at the Deutsches Haus, Ho Chi Minh City, Vietnam (but I was in Berlin), 5 March 2021.
- “Digitalising French and German societies after the coronavirus pandemic” invited conversation with Alban Schmutz (GAIA-X) moderated by Anke Obendiek, in [Time to act: A new strategic agenda for Franco-German cooperation in Europe: Pariser Platz Conference 2020](#) 1 December 2020.
- “Artificial Intelligence and Human Lives 2025-2070” or *AI and Data Governance — In conversation with Prof Joanna Bryson*, arranged by Ray Walshe through Dublin City University at 8am (locally) for the Irish Government (guests were invitation only.) 26 November 2020.
- Workshop participant / commentator, “Technology Landscape 2030”, *Ideenwerkstatt Deutsche Außenpolitik* at Deutsche Gesellschaft für Auswärtige Politik (DGAP), 25 November 2020.
- “Governing AI made easy”, keynote (with Stuart Russell, who gave “Governing AI: A few suggestions”) and panellist, (with Russell, John Zysman, Karen Yeung, GBernd Stahl, Raja Chatila, Kelsey Farish), *Governance Of and By Digital Technology*, ‘in’ EPFL, Lausanne, 18 November 2020.
- Panellist (with Miapetra Kumpula-Natri (MEP), Sergey Lagodinsky (MEP), Irina Orssich (EC), and Cornelia Kutterer (Microsoft)), [Automating Society 2020 — Launch Event](#), ‘in’ Berlin, also 28 October 2020.
- Panellist (with Eva Maydell (MEP), Daniel Schönberger (Google), Alexander Stubb (EUI), and Žiga Turk (Ljubljana)), [EIF 2020 — Panel 4: The Age of Artificial Intelligence and Disruptive Technologies: Reimagining Regulation and Society](#) *Economic Ideas Forum* ‘at’ the Wilfried Martens Centre for European Studies (official think tank, European People’s Party (EPP)), ‘Brussels’, 28 October 2020.
- Panellist (with Max Welling, and Janosch Delcker chair) “Looking forward — The next frontier in AI technology: What are the limits?”, *POLITICO AI Summit 2020*, 30 September – 1 October 2020, ‘Brussels’ (online).
- Participating expert, “Artificial Intelligence and the Human”, *Committee on Culture, Science, Education and Media of the Parliamentary Assembly of the Council of Europe*, 25 September 2020.
- Invited speaker (with Lisa Herzog, and Tyson Barker (chair) “Tech and the Worker: Rethinking the Social Contract” Workshop of <https://www.aspeninstitute.de/>, 17 September 2020.
- Opening Keynote and invited participant, Second Meeting, *Council of Europe ad hoc Committee on Artificial Intelligence (CAHAI)*, ‘Strasbourg’ (virtually) July 6–8 2020 (attended only 6th.)
- Invited participant, “Tech Companies and the Public Interest: Comparing European and North-American Models for Regulating Social Media Platforms” international virtual workshop ‘at’ Hertie School, Berlin 2–3 July 2020.
- Invited panellist, ‘Regulatory Challenges in Digital Markets: the Future of Artificial Intelligence for Policy Making’, with Daniel Björkegren (Brown University), Anna Christmann (Member of the German Bundestag, Bündnis 90/Die Grünen), Cass Sunstein (Harvard University), Hannes Ullrich (DIW Berlin and University of Copenhagen, moderator). *Berlin Centre Consumer Policies (BCCP) Virtual Mini-Conference* 26 June 2020.
- Keynote, “Bias, AI, and Trust Transparency and Accountability in the Information Age”, *ASME AI Analysis: Standards Development & Ethics*, The American Society of Mechanical Engineers members meeting, 11 June 2020.
- Invited panellist, “Democratic and Public Policy Challenges” with Diane de Pompignan (chair), Maxime Stauffer (Geneva Science Policy Interface), J. Peter Burgess (ENS), Karin Perset (OECD), Pierre Paperon (Exploit.digital), and Sasha Rubel (UNESCO) *AI Governance Forum 2020: From the governance of AI to the governance via AI?* ‘Zurich’, virtually, 8–9 June 2020.
- Invited participant for Chatham Rules international meeting, Future of Politics Workshop: Democratic politics in the digital economy, Coordinadora del Programa de Instituciones Políticas (CIPPEC), ‘virtually’ in Buenos Aires, Argentina, 29 May 2020.
- Invited panellist, ‘Effects of algorithms in shaping online behaviour’ with Anna Zaitsev (Berkeley), Stacie Hoffmann (Oxford Information Labs), and chair Donara Barojan (Zinc), *Emerging Trends in Social Media*, [Emerging Trends in Social Media](#), Riga, Latvia, 9 March 2020.

- Invited panellist, “Digital Economy and Regulation: AI and Cybersecurity,” with Miguel Gonzalez-Sancho (European Commission), Matt Walsley (Vectra), chair: Lorenzo Pupillo (Centre for European Policy Studies, CEPS), *CEPS Ideas Lab 2020*, Brussels, 5–6 March 2020.
- Invited panellist, “From Principles to Practice” with Khalil Rouhana (Deputy Director-General of DG CONNECT, EU Commission), Ulrik Knudsen (Deputy Secretary-General of the OECD) and Hubertus Heil (German Federal Minister of Labour and Social Affairs), Opening of the German AI Observatory (*Das Observatorium Künstliche Intelligenz*), Berlin, 3 March 2020.
- Invited participant, [High-Level Policy Dialogue: The Governance of Digital Networks: Convergence or Fragmentation](#), jointly sponsored by the European University Institute, the Hertie School Centre for Digital Governance and the Oxford Internet Institute, Berlin, DE 25–26 November 2019.
- Invited panellist, [AI: Technology to Serve Humankind — Setting Legal Standards](#) United Nations General Assembly side event co-sponsored by Slovenia, Council of Europe and UNESCO. New York City, 28 October 2019.
- Invited panellist, panel: *Harnessing innovation in anti-corruption: AI, blockchain, machine learning, big data analytics & civic technologies — opportunities, risks & ethical considerations*, 8th Annual Anti-Bribery & Corruption Forum, London, 17–18 Oct 2019.
- Invited speaker and panellist, *Civil Service Masterclass: AI and Machine Learning*, Policy Profession Unit of the UK Cabinet Office, with University of Bath Institute of Policy Research, Pall Mall, London, 14 October 2019.
- Invited participant “The data driven society” seminar, *Aspen Seminars for Leaders*, San Clemente Palace, Venice, 11–13 October 2019.
- [Artificial Intelligence and the Human Economy](#) Keynote, Altius Society Conference [Organizing Society for the 21st Century. Is Democracy the Right Model? Towards a New Social Contract for the Age of Cognitive Machines](#). Oxford, UK, 4–6 October 2019.
- Participant, Research and Innovation (UKRI) AI review Evaluation, Standards, Benchmarking and Regulation roundtable, London, 4 October 2019.
- Short keynote and longer debate (with Lorena Jaume-Palasi) “Global Technology Governance for the Fourth Industrial Revolution”, *Digital Future Society* Palacio Neptuno, Madrid, ES. 30 September 2019
- Invited participant *ICGAI Planning Meeting (UN General Assembly Week)*, NYU, New York City, 26 September 2019.
- “Technology for Good: Empowering AI Leadership” invited talk [DLD Europe Conference: Optimism and Courage](#), Brussels, BE, 9 September 2019.
- Invited speaker and participant [The Militarization of Artificial Intelligence](#), co-organised by the United Nations Office for Disarmament Affairs, the Stimson Center, and the Stanley Foundation. UN building, New York City, 13–14 August 2019.
- Sole invited speaker “Regulating AI to Be Regulatable” Interagency Meeting at the United States Federal Reserve Board (Kelvin Chen, host). Other agencies represented included several Federal Reserve Banks (Chicago, Boston, Dallas, Kansas City, Philadelphia); Consumer Financial Protection Bureau; Federal Deposit Insurance Corporation; National Credit Union Administration; Office of the Comptroller of the Currency. Washington DC, 23 July 2019.
- Invited speaker and participant, invite-only ‘East-West AI for Good’ workshop (UK and China), [Cross-Cultural Trust for Beneficial AI](#). My talk “Science Is a Bridge” was described as ‘controversial.’ Leverhulme Centre for the Future of Intelligence (CFI), the Centre for the Study of Existential Risk (CSER), and the Intellectual Forum at Jesus College. Cambridge, UK, 11–12 July 2019.
- Invited participant [World Economic Forum Annual Meeting of the New Champions](#), a member of two panels: [The Real Cost of User Data](#), [Tech for Good: Empowering AI Leadership](#) (with Chen Liming Chairman, Greater China Group IBM Corporation, Satsuki Katayama, Anand S. Rao, Global Leader, Artificial Intelligence, PwC, and chaired by Will Knight, MIT Tech Review), Minister of State for Regional Revitalization, Cabinet Office of Japan, “Outsmarting Bias through Gender-Neutral AI” (hub talk with Simon Greenman) and two multilateral meetings “Cybercrime 2025:

- Disruptive Technology and the Future of Cybersecurity” and “AI ecosystems in Europe and China”, (also invited for a keynote at the Centre of Cybersecurity Community Dinner, but plane was delayed). Dailan, People’s Republic of China. 1–3 July 2019.
- Invited seminar to the Cabinet Office , “Regulating AI to Be Regulateable,” *Department for Digital, Culture, Media & Sport (DCMS) and Centre for Data Ethics and Innovation (CDEI)* (Thomas Upchurch, host), Whitehall (Churchill Room), London, UK 28 May 2019.
- Invited panellist on behalf of the Organization for Security and Co-operation in Europe (OSCE), “New frontiers: how technical advancements will shape the international cyber/ICT security policy and legal landscape” with Byung-ha Chung (moderator) Myung-Hyun Chung, Joon Hong Ha, Josephine Wolff, and Liis Vihul, [Second Inter-Regional Conference on Cyber/ICT Security: Regional Responses to Global Challenges](#), Seoul, South Korea, 1–2 May 2019.
- Invited personal consultation to Fabrizio Hochschild, Assistant Secretary-General for Strategic Coordination, United Nations, on the topics “human control and artificial intelligence” (really, we mostly discussed social media). With Kersten Jauer, Ayaka Suzuki, David Michael Kelly, Irsa Ashraf, and Robert Kirkpatrick. New York, 17 April 2019.
- [An external advisory council to help advance the responsible development of AI](#), blogpost on by Kent Walker announcing [Google’s Advanced Technology External Advisory Council \(ATEAC\)](#). Cf. news stories under [media](#). 26 March 2019.
- Invited speaker and panellist, [AI Governance Forum](#), first meeting of a “multi-stakeholders platform” supported by the Federal Office of Communications (OFCOM) of the Swiss Confederation. Talk titles: “Artificial Intelligence and Human Accountability” (keynote), “Trust and Legal Personality for Intelligent Artefacts” (panel introduction). Geneva, Switzerland, 23 March 2019.
- Opening keynote, “What technologies count as AI and how are they influencing our lives?”, *Geopolitics of Artificial Intelligence Symposium*, Centre for International Digital Policy in Global Affairs Canada, Ottawa, Canada, 12 March 2019.
- Opening keynote, [Artificial Intelligence and Human Accountability](#), at [Artificial Intelligence: Governing the Game Changer — Implications of AI development on human rights, democracy and the rule of law](#), *Council of Europe*, Helsinki, Finland. 26–27 February 2019.
- Invited speaker and panellist, [Women Leading in AI Manifesto](#) Launch Event, UK Parliament, 6 February 2019. cf [Forbes’ coverage](#). (note: I was not one of the manifesto authors.)
- Invited participant, World Economic Forum Annual Meeting, spoke on two main panels: [Realizing the Data Economy](#) with Andrew Jassy CEO, Amazon Web Services; Brian Duperreault President and CEO, AIG; and Robert F. Smith Chairman and CEO, Vista Equity Partners (chair). “Rethinking the Value of Freedom,” with Timothy Snyder, Yale (History). Also spoke at two colocated events and [visited a local school](#) (appear at 1:35 of that 3 minute film) as both public engagement and to publicise the OECD report [Envisioning the Future of Education and Jobs: Trends, Data and Drawings](#). Davos, Switzerland. 21–25 January 2019.
- Google announced they had corrected one of the bias problems identified in our 2017 *Science* paper, using the example from our paper, in this blogpost: [Reducing gender bias in Google Translate](#). Google Translate Blog, 6 December 2018.
- Invited participant [ICT 2018 Conference](#) by the European Commission, Digital Single Market directorate. 4–6 December 2018, Vienna.
- Speaker and panellist (AI expert) [ICT2018: Next Generation Internet: Beyond the Internet](#) (my part starts at 32:00 in).
  - Also got pulled into the [Facebook Live conversation on AI](#) after the AI panel.
  - And spoke on a panel at the “networking session” [AI meets Human Consciousness: Is there Machine Consciousness?](#) with Antonio Chella and Aureli Soria-Frisch.
- Invited participant and commentator, *Women Leading in AI* round table policy session, UK Parliament, 21 November 2018.
- “How Do We Design AI Ethically?” Invited talk, *A European Approach to Ethical Design* panel, *Europe Regulates Robotics* conference, Pisa, 27–28 September 2018.

Invited participant [World Economic Forum Annual Meeting of the New Champions](#), a member of three panels: [A Global Conversation on Artificial Intelligence](#) (sponsored by TenCent), “Hidden in the Algorithm,” and “Ensuring Ethics Keep Pace”. Tianjin, People’s Republic of China. 18–20 September 2018.

Joanna J. Bryson, “Accountability and Transparency with and through Intelligent Systems,” invited and reviewed position paper and presentation for *The Evolving Impact of Science and Technology on the U.S. Judiciary: Artificial Intelligence*, an Institute on Science for Global Policy (ISGP) Conference, put on in partnership with the Federal Judicial Center (FJC). Other presenters were Michael Littman and Dan Hunter. Santa Fe, NM, 28 August 2018.

Invited participant, *University of Washington’s Technology Policy Lab’s Second Global Summit on Grand Challenges for Tech Policy*. Seattle, 7–9 August 2018.

Invited speaker and panellist (with Ed Felton, Nick Bostrom, and Shahar Avin), “[AI and Future Generations](#)” *UK Parliament*, hosted by the All Party Parliamentary Group on Future Generations, 19 July 2018. [Statement](#).

“The main ethical challenges to AI deployment,” invited talk and panel participant for the parallel workshop *Artificial Intelligence — Today and Tomorrow* at The European Commission’s *Digital Assembly 2018*, Sofia, Bulgaria, 26 June 2018.

“Artificial intelligence: What might Europe offer?” [Inspirational speech in the plenary panel](#), The European Commission’s *Digital Assembly 2018*, Sofia, Bulgaria, 25–26 June 2018.

Invited panellist for the panel [Artificial Intelligence: Developing Responses](#), *Chatham House London Conference 2018: Responses to a New Era of Global Competition*, London, 21–22 June 2018.

Invited participant, POLITICO AI Roundtable “Responsible AI in the UK,” London, 11 June 2018.

Panellist, *Ethical AI Engagement Session*, Royal Bank of Scotland (RBS), Edinburgh, 29 May 2018.

Meeting with the Google DeepMind Ethics & Society team, London 26 April 2018.

“AI and Machine Learning: Is Regulation Feasible?” Financial Conduct Authority (FCA), Insight Lecture Series, London, 19 April 2018.

Invited panellist (two panels), *Humanity Disrupted: Artificial Intelligence and Changing Digital Society*, a meeting organised by The Aspen Institute, Berlin. On the panel *Reimagining Economies, Productivity and Innovation in early AI Age* with Nicola Beer, Jeff Bullwinkle, and Andrew Wyck-off, and gave the talk “The Hazard of Anthropomorphizing Robots and AI” for the panel *Thinking about AI and What Makes Us Human in Three Talks*. Berlin, 14–15 March 2018.

The Caliskan, Bryson, and Narayanan 2017 *Science* article has been cited in policy documents, including:

- [Artificial Intelligence and Automation in the UK](#).
- [Fairness in precision medicine](#) (Australia).

Participant, *European Commission Open Roundtable on the Future of Work*, attended in response to an open call, then unexpectedly presented (the invited AI expert had a travel issue.) Brussels, 5 February 2017.

Interviewed for expert advice, *Hyundai’s foresight study ‘AI 2030’*, 4 January 2017.

Invited speaker and panellist, “IGF 2017 WS #93 AI: Intelligent Machines, Smart Policies” (on behalf of the OECD), *Internet Governance Forum*, Geneva, Switzerland, 18–21 December 2017.

Invited participant — one of two with talks — *Nick Clegg / open reason: round table on the economic impact of AI*, informed Clegg’s subsequent policy speech, “Social and political impact of Artificial Intelligence (AI) and new technologies” [full text](#), delivered to ad:tech on 30 November, covered in [Business Insider](#) and [Wired](#). London, 8 November 2017.

Elected and invited **member of the UK Computing Research Committee (UKCRC)**, which since 2000 the national a policy committee for computing research in the UK. Elected 3 November 2017.

Invited participant, “AI Safety and Cybersecurity Panel”, [Artificial Intelligence and Global Security Summit](#) (with, among others, Eric Schmidt and Andrew Moore), hosted by Center for a New American Security, Washington DC, 1 November 2017.

Interviewed on the topic “Discussion of AI and Conflict Escalation” by Erin D. Dumbacher, Program Officer, Scientific and Technical Affairs, and colleagues Page Stoutland and Brian Rose *Nuclear Threat Initiative* 30 October 2017.

“Current and Potential Impacts of Artificial Intelligence and Autonomous Systems on Society” in the session *Transparency, oversight and ethics*. Invited speaker and participant, [AI: Intelligent Machines, Smart Policies](#), OECD, Paris, 26–27 October 2017.

Contributed participant with selected **keynote** talk “AI and Society: Challenges and Opportunities” *Artificial Intelligence and its Impact on Tomorrow’s World*, VolkswagenStufung, Hotel Fregeist, Einbeck Germany 4–7 October 2017.

Invited roundtable participant, “Artificial intelligence: economic, social, and political impacts in low/middle income countries”, hosted by *The Web Foundation, the Centre for Global Development, and Future Advocacy*. Albert House, London, 13 September 2017.

Provided [five pages of written evidence](#) on behalf of the Department of Computer Science, University of Bath, to the *House of Lords Select Committee on Artificial Intelligence*. Publicly released 11 October 2017.

Public provision of oral evidence to the *All Party Parliamentary Group on Artificial Intelligence* at their session “Governance, Social and Organisational Perspective for AI,” House of Lords, London, 11 September 2017.

Invited participant, “Ethics and autonomous weapon systems: An ethical basis for human control?” A roundtable of *International Committee of the Red Cross (ICRC)*. Spoke on the panel “Accountability and Transparency.” Humanitarium, Geneva, Switzerland, 28—29 August 2017. [ICRC report that derived from that meeting \(April 2018\)](#).

Invited participant, *SRI Technology and Consciousness Workshop Series* (was only available for the final session.) Talk: “A Role for Consciousness in Action Selection”. Menlo Park, CA, 7–11 August 2017.

Invited participant, “The Future of the Digital Citizen : Enabling an Interconnected Life in a Hyper-connected World: IEEE — SA Think Tank”, Somerset, NJ 25 July 2017.

Invited participant, *Mapping the Relative Risks Emerging Technologies Pose to Nuclear Weapons Systems*, Chatham House, London, International Security Department, 18–19 July 2017. [web](#)

Invited panellist (two panels), [The Aspen Ideas Festival](#), “When Robots Take Our Jobs” (with among others, Tim O’Reilly), and “Deep Dive: Machines and Morality” (opposite Gary Marcus). Aspen, CO, 28 June – 1 July, 2017.

Participant and Section Chair, “Symposium on the Ethics of Autonomous Systems (SEAS)” *The IEEE Global Initiative for Ethical Considerations in Artificial Intelligence and Autonomous Systems* Houston, TX, 5–6 June 2017. (Also participated in the 2016 SEAS in The Hague, which got me roped into being a chair.)

Invited participant, “FHI/CFI/CSER Workshop on Bad Actor Risks in Artificial Intelligence”, Future of Humanity Institute, Oxford, 19 February 2017.

Invited panelist, “Artificial Intelligence and Big Data in the financial sector”, *ESMA Financial Innovation Day: FinTech – Innovation, Infrastructure, Inclusion*, European Securities and Markets Authority, Paris, 10 February 2017.

Invited participant (one of 50), *Royal Society and National Academy of Sciences Sackler Forum on Machine Learning*, Washington, DC, 31 January – 1 February 2017.

Invited panelist, ACM Panel and Town Hall *Big Thoughts and Big Questions about Ethics in Artificial Intelligence* (with Francesca Rossi, Stuart Russell, and Michael Wooldridge.) Online event, 25 January 2017.

Invited speaker by the OECD Directorate for Science, Technology and Innovation Committee on Digital Economy Policy’s Technology Foresight Forum, *Artificial Intelligence — Economic and Social Implications*. Talk title: “Artificial Intelligence versus Legal Persons”. Paris, France, 17 November 2016

One of four invited speakers for a breakfast panel at the Eighth European Innovation Summit, titled *Ethical Considerations in Artificial Intelligence — and what it means for policy makers*. Talk title: “Artificial Intelligence versus Legal Persons”. Sponsored by IEEE, the other speakers were Raja Chatila, Kay Firth-Butterfield, and Mady Delvaux, MEP. European Parliament Building, Brussels, 16 November 2016.

Invited Panelist, *IEEE AI & Ethics Summit 2016: Artificial Intelligence & Ethics — Who Does the Thinking?*, Brussels, Belgium, 15 November 2016.

Invited Committee Member, *IEEE Global Initiative for Ethical Considerations in the Design of Autonomous Systems*, April 2016–present. This is the IEEE’s second major policy initiative in the history of the organisation. Made co-chair of the Affective Computing Committee.

Invited participant, *Ethical and Social Challenges Workshop: Oral Evidence Gathering Event for Machine Learning*, UK technology policy consultation conducted by the Royal Society. Spoke on the “Human-machine/software interactions and agency in the near term (5-10 years)” panel and provided written commentary on full proceedings. London (by video), 14th January 2016.

Invited participant, *Roundtable on Ethics and Trust Issues in the Human-Machine Relationship*. Round table convened by the Royal Society, the Government Office for Science (GOSci), and the Arts and Humanities Research Council (AHRC). London, 23 June 2015.

Invited participant, *European Workshop on Ethical Issues in Human-Machine-Interaction and Service Robotics*, Brussels, 6 May 2015.

Invited participating observer of the *UK Robot Ethics Forum* for the development of the draft ISO standard “BS 8611 Robots and robotic devices — Guide to the ethical design and application of robots and robotic systems”, *British Standards Institution (BSI)*, London, 22 June and 6 March, 2015. Also provided further consultation on their documents later in 2015. Chair: Osman Tokhi, Sheffield.

Expert consultant, “Health, demographic change and well being: Perspectives from SSH on research and innovation”, Brussels, 11 November, 2014.

Expert consultant, “Big Data Overview for Parliamentarians”, Parliamentary Office of Science and Technology, contributing to several of their data sheets released in 2014.

Contributed substantial structure and text to the *Cognition* section of *Robotics 2020: Strategic Research Agenda for Robotics in Europe* policy document (pp. 80–82 of Draft 0v42, dated 11 October 2013, produced by euRobotics aisbl).

Member of the euRobotics *AI and Cognition in Robotics (AICoR)* Topic Group advisory committee since 2013; The topic group *Ethical, Legal and Socio-economic issues (ELS)* since 2016.

Margaret Boden, Joanna Bryson, Darwin Caldwell, Kerstin Dautenhahn, Lilian Edwards, Sarah Kember, Paul Newman, Vivienne Parry, Geoff Pegman, Tom Rodden, Tom Sorell, Mick Wallis, Blay Whitby, and Alan Winfield, **EPSRC Policy Statement**, *Principles of Robotics*, April 2011, available from the EPSRC website.

Invited participant (expert in AI ethics and social impact) in the UKs Engineering and Physical Sciences Research Council (EPSRC) Robotics Retreat, New Forest, UK, 29 September – 1 October 2010.

## Popular Writing

Joanna J. Bryson, “Getting Over (Artificial) Consciousness,” [European Buddhist Magazine](#) (12):18–23, Spring 2024.

Joanna J. Bryson, [One Day, AI Will Seem as Human as Anyone. What Then?](#), *Wired*, 26 June 2022.

Joanna J. Bryson, [Europe Is in Danger of Using the Wrong Definition of AI](#), *Wired*, 2 March 2022.

Two book chapters in Aifric Campbell’s *The Love Makers* (Goldsmiths Press, London, 2021) novella and collection, one of which was also reprinted in *Wired*.

- Joanna J. Bryson and Ronny Bogani, “Robot Nannies Will Not Love,” pp. 249–258, also [in Wired online, 17 December 2021](#). An extension of the 2009 peer-reviewed commentary “Why robot nannies probably won’t do much psychological damage,” see above.

- Joanna J. Bryson, “Never Love a Robot: Romantic Companions and the Principle of Transparency,” pp. 283–290.
- Joanna J. Bryson “Robot, all too human.” *XRDS: Crossroads, The ACM Magazine for Students* **25**(3)56–59; 2019.
- Joanna J. Bryson, “Internet memory and life after death”, in *Bereavement Care* **30**(2):70–72, 2012.
- Joanna J. Bryson “The Making of the EPSRC Principles of Robotics”, in *The AISB Quarterly*, (133) Spring 2012.
- Joanna J. Bryson, “Now for the Tricky Bit. . . (*originally*: Consciousness is Easy but Learning is Hard)”, invited article, *The Philosophers’ Magazine*, (28):70–72, Autumn 2004.

## Public Engagement, Public Education

*Press and media appearances authored or hosted by others are in another section below, as are films; public policy is above. Please also see also my microblogging (e.g. bluesky, linkedin, twitter), my blog, [Adventures in Natural Intelligence](#); and my academic Web pages.*

Invited ‘mentoring session’ (much like a fireside chat) on “AI Ethics and Governance: The Role of Regulations in Ensuring Responsible AI Development”, [Young European Symposium](#), 2–4 May 2025.

The faculties and institutes of the Science and Technology Sector at Université de Louvain held a public degree ceremony (honorary doctorates, other awardees were Yves Moreau, Gaël Varoquaux, and Molly Wright Steenson) and workshop under the theme: [Responsible Data Science for Human Development](#). I gave a brief response after my doctorate, and at the workshop “Transparency, Accountability, and Science: AI as a case study.” Louvain-la-Neuve, 27–28 February 2025.

“Darwin, Dawkins, Memes: AI and the Future of Evolution” [Darwin Memorial Lecture](#) (annual), Shrewsbury UK (his home town), 9 February 2025.

Live **webinar**, [Achieving Digital Resilience In An AI-Driven World](#), hosted by FT Live in partnership with Red Hat panel with Richard Harmon, Walter McCahon, and Yasemin Craggs Mersinoglu (Moderator), online, 26 November 2024.

Keynote: “Artificial Intelligence, Human Autonomy and Social Fragmentation”, [Dutch Digital Society Conference 2024](#), Utrecht, 25 April 2024.

One of two invited speakers *AI for all: gender political perspectives on AI*, Heinrich Böll Foundation (Zora Siebart, host), Berlin, 19 April 2024.

[Empathy, Polarization & Artificial Intelligence with Joanna Bryson and Ivana Bartoletti](#), Global Compassion Coalition, online, 18 April 2024.

Panellist, with Lisa Vermeer, Pegah Maham, Marieke de Goede (chair), and Daniel Mügge (organiser), [Building the European AI Future: Political Challenges after the EU’s AI Act](#) (video on YouTube), Amsterdam, 26 January 2024.

[Salon] [Joanna Bryson: Fundamentals of AI governance](#), Full Circle, Brussels, 24 January 2024.

Invited panellist (with Koko Warner, chaired by Jonas Belina and hosted in her inaugural event by Ambassador Livia Leu), [Opportunities for AI toward the Mitigation of Climate Change](#), the Embassy of Switzerland in Germany (in partnership with ETH). Berlin, 8 November 2023.

Invited talk, [Artificial Intelligence, Ethics and Collaborative Cognition](#), at [Convergence? Interfaces of the Digital and the Living](#), Österreichische Akademie der Wissenschaften (Austrian Academy of Sciences), Vienna / Wien, 17–18 October 2023.

Panellist with Todd Holloway, Sir Dermot Turing, and chair Gavin Clark [Alan Turing’s Reflections: ChatGPT](#). A “virtual talk” ‘at’ The [British] National Museum of Computing, 13 October 2023.

Invited (anchor) member of the affirmative team (!), [This House Believes Artificial Intelligence Is An Existential Threat](#), **Cambridge Union Debate**, 12 October 2023.

“The Incredible Algorithmicity of Being” keynote (also, invited panellist (with Ian Erik Stewart and Jan Berger) and participant), [HOLITOPIA 2023 Symbiotic Politics](#), re:future, Berlin, 7–8 September 2023.

Invited panellist, [TERMINATOR ON STEROIDS OR WALL-E 2.0? AI AND DIVERSITY IN THE FILM INDUSTRY](#), with Su-Jin Song (chair), Sami Arpa, Erwin M. Schmidt, and Viktoria So Hee Alz. *Filmfest München*, 24 June 2023.

Webinar—with Gayan Peiris and Yasmine Hamdar—[AI, Data and People: Where do they intersect?](#), United Nations Development Programme (UNDP), 13 June 2023.

Panellist—with Robin Geiss, Mennatallah El-Assady, and Marcel Baltzer—[Teaming up with AI? The risks and global security implications of military AI](#), UNIDIR sponsored panel at re:publica, Berlin, 6 June 2023.

Panellist—with Chris Boos, Gerald Friedland, and Palantir’s Jan Hiesserich (chair)—[Is ChatGPT paving the way for Artificial General Intelligence?](#), panel 2 of the symposium of [Dimensions: Digital Art since 1859](#), Pittlerwerke, Leipzig, 2–3 June 2023.

[Authorship, Agency, and Moral Obligation \(Autoria, Agência, e Obrigação Moral\)](#), lecture in the series [Human Entities](#), hosted by CADA (an art group, host: Sofia Oliveira) in partnership with the Lisbon Architecture Triennale. [podcast available \(1 hour 46 minutes\)](#) Lisbon, 17 May 2023.

guest speaker (interviewed) for a Media course taught by Robert Milazzo at *Virginia Commonwealth University*, online, 20 April 2023.

[No one should trust AI](#), invited lecture (Wojciech Samek, host/chair) in the *Discovery: Trustworthy AI* monthly seminar series “ongoing conference” of the International Telecommunication Union (ITU) served as <https://aiforgood.itu.int/> . Online, 5 September 2022.

Invited panellist, with Ted Schmitt, Blaise Agüera y Arcas, and K Allado-McDowell (chair), for panel “Thinking”, and participant, [Interspecies Future Symposium](#), Museum für Naturkunde, Berlin 9–10 July 2022.

Invited panellist with Aifric Campbell, Kanta Dihal and Philip Ball (chair) [The future of human love in the age of AI](#), launch of the book *The Love Makers* by Aifric Campbell, Royal Institute, London, 29 June 2022.

Invited panellist, with Angeliki Dedopoulou, Hilary Richters, and Olivia Gambelin, [Bias in AI and data. What are the benefits and potential challenges that the upcoming EU AI Act may bring?](#) Ethical Technology Institute (ETI) Webinar, 18 March 2022.

Invited speaker and participant (with Viviana Polisena, Patricia Shaw, Chris McClean, Cansu Canca, Animesh Jain, Mafunase Ngosa Malenga, and Timi Olagunju) [MKAI Inclusive AI Forum — Cultural Representation in Artificial Intelligence: Factoring cultural differences into AI development](#), 24 February 2022.

[Societal impact of AI](#) (youtube video), Unit 2.2 of the [DT2 Invest Launchpad Initiative](#)’s free MOOC (meant to help Europe catch up on AI and er blockchain.) 15 December 2021.

Invited chair for a panel, [AI & Personal and Cybersecurity](#), EUNIC AI Science Café with panellists Karoliina Ainge, Luis Espinosa-Anke, and Jiří Berger. ‘London’, UK, 29 September 2021.

Keynote and article, [AI Regulation and the Limits of Transparency](#). Keynote for AXA Security Days, ‘Paris’, 3 June 2021; transcript with edits published in their *Insights* series, 12 July 2021.

Panellist, [Fairness in Artificial intelligence. Promoting diversity or reinforcing discrimination?](#) with Neil Milliken and Nadia Metoui, hosted by The Marie Curie Alumni Association (MCAA) Genders Equity Diversity and Inclusion (GEDI) Working Group, 4 June 2021.

Panellist, ‘Pitch and catch’ session of a 6-week workshop on *AI Governance Solutions* hosted by Schwartz Reisman Institute and the Rockefeller Foundation (Gillian Hadfield, host). 22 April 2021.

“Governing and Regulating AI: Transnational Solutions to Global Problems” invited speaker (with Jana Eggers), [12MIN.ME Innovation Week SPECIAL](#) U.S. Consulate General, ‘Hamburg’ 21 April 2021.

Joanna Bryson and Martin Eisenlauer “Artificial intelligence and ethics”, chapter in [Faster than the Future](#), Digital Future Society, Barcelona, Spain, February 2021.

[The just AI transition: Where are the opportunities and threats?](#) panellist with Dragos Tudorache (MEP) Loubna Bouarfa, (CEO, Okra), Torbjørn F. Folgerø, (SVP and CDO, Equinor), following a keynote by Lucilla Sioli, Director for Artificial Intelligence and Digital Industry, DG CONNECT, European Commission. EURACTIV, online, 25 February 2021.

[Responsible Robotics and AI: Concrete solutions](#), Webinar in Softbank’s [HEART - Humanizing tEchnology And Robot Talks](#) series, panelist with Daniel McDuff (Microsoft, Research) and Olivier Guilhem (Softbank, legal), and Susana Sanchez Restrepo, chair. 12 February 2021. See further their blogpost [Responsible Robotics and AI: at the table with Daniel McDuff, Joanna Bryson and Olivier Guilhem](#), 30 March 2021.

“Governing AI” keynote (with Stuart Russell) at the *Hacking AI* session of AXA’s AI and Security Week. ‘Paris’, 14 December 2020.

Talk (discussion) with Alban Schmutz, and Anke Obendiek (moderator) “Digitalising French and German societies after the pandemic”, at *Time to act: a new strategic agenda for Franco-German cooperation in Europe* Franco-German Dialogue, ‘Berlin’, 1 December 2020.

Panellist [Who owns your face?](#), Cybersalon, ‘London’, 17 November 2020.

Introduction to Ethics and also discussant *Webinar — What role for AI principles? Safety & Ethics-critical AI applications in industry — what role for the OECD AI principles?*, an odd IET, IEEE & EIRMA event run by Timothy Lorkin and including Andrew Wyckoff and Jonathan Aigrain. 12 November 2020.

“Humans are the point, AI is the method,” keynote (followed by AMA chaired by Justin Halsall), Tech Open Air (TOA) Click.Future ‘Berlin’ (virtual), 5 November 2020.

“Humans are the point, AI is the method,” keynote, [The European Big Data Value Forum \(EBDVF\)](#), ‘Berlin’, 4 November 2020.

[Centre for Digital Governance Launch Event: How Can Digital Governance Strategies Drive Sustainability?](#) ‘Berlin’, 29 October 2020.

Several appearances ‘at’ Ars Electronica 2020 ‘in’ Linz:

- Keynote [AI & Human Interactions: Social Impacts and Digital Governance](#) 11 Sept.
- [Radicalization by Design](#) Panel discussion with Bharath Ganesh, Richard Rogers, Sahana Udupa, and Arjon Dunnewind and Marc Tuters (hosts) 11 September.
- [Inside Festival: Joanna Bryson / Gerfried Stocker](#) 12 September.

[Does conscious AI deserve rights? | Richard Dawkins, Joanna Bryson, Peter Singer & more | Big Think](#) remix of my 2018 interview (see below), released 8 July 2020.

Panellist for online event and podcast, [Business Life After The Virus: Disruption](#), with Professor Sir Nigel Shadbolt, Mikael Down, and Nikolas Kairinos. Jericho Chambers (London, virtually), 26 June 2020.

Panellist for online event, [Regulating the rise of Artificial General Intelligence](#) with Dan Faggella, Nell Watson, and David Wood (chair), *London Futurists* 30 May 2020.

Panellist for online event, *Fair AI for Europe: A Citizen Approach*, Samira Rafaela, Sarah Chander, Aikaterini Liakopoulou, Kevin Kuate Fodouop, and James Kanter (chair). 27 May 2020.

[TUM IEAI Reflections on AI: Q&A with Joanna Bryson](#), video created by the Technical University of Munich’s Institute for Ethical Artificial Intelligence in advance of my public talk there, but released afterwards, 20 May 2020.

Invited debate participant, *AI is Us*, with Sophie Hackford, Cyril de Commarque, and chair Donna Lu, *Night of Ideas*, Institut Français, London, 31 January 2020.

[The Bioanthropology of Intelligent Technology](#), at [Anthropology + Technology Conference 2019](#), Bristol 3 October 2019.

Invited panel discussant, *The ethical use of Artificial Intelligence: Views from China*, hosted by Huw Price and chaired by Keith Burnett, panelists: Bing Song, Liu Zhe, and Yi Zeng, other discussant Azeem Azhar. Nuffield Foundation, London, 10 July 2019.

Invited (and paid) lecturer, [Diverse Intelligences Summer Institute \(DISI\)](#), gave two lectures:

- “How AI Extends from Human Intelligence,”
- “What AI Tells Us About Human Institutions.”

St. Andrews, Scotland, 5–8 July 2019.

Invited speaker / panellist (with Sandy Pentland, Carlos Torres Vila), “Towards a New Enlightenment: Ensuring Responsibility in the Age of AI and Big Data”, OpenMind Event launching the book [Towards a New Enlightenment? A Transcendent Decade](#) Bartos Lecture Theatre, MIT, Cambridge, MA, 8 April 2019.

Invited panellist (with Yann LaCun), Artificial Intelligence panel, [Edison Awards’ Meet the Innovators Forum](#), New York, NY, 4 April 2019.

Invited presentation on “Affective Computing section”, launch webinar for *IEEE Ethically Aligned Design, First Edition*, World Wide Web, 25 March 2019.

Invited panellist, “Shaping the Future Workforce: Transformative Impacts of Emerging Technologies,” ([video](#)) *IEEE TechEthics*, Cooper Union, New York City, 28 February 2019.

“The Impact of AI on Human Society”, Bath ML Group (unaffiliated with the University), Guildhall, Bath, 12 February, 2019.

“Artificial Intelligence and a Politically Sustainable Economy”, online lecture for [ShanghAI Lectures](#) (Fabio Bonsignorio, host), 29 November 2018.

Joanna J. Bryson, [No One Should Trust AI](#), a blogpost invited, reviewed, and edited by the **United Nations University Centre for Policy Research**, for their *Artificial Intelligence and Global Governance* blog series. 13 November 2018.

“Ethical and Responsible AI: What Do We Need to Think About?” [AI and Ethics Salon](#), RSA (Royal Society for the encouragement of Arts, Manufactures and Commerce), London, 21 November 2018.

“[Presenting robots as people stops us thinking clearly about AI](#)” *New Scientist* Technology blog, 24 October 2018.

Invited participant on the panel “Developing a diverse talent pipeline: initiatives in education, skills development and attracting women into STEM” *Westminster eForum keynote seminar: Women and the tech sector — skills, career progression and workplace culture*. London, 16 October 2018.

“The Future of AI, Society, and Higher Education.” Invited Keynote, *The 20th Fnesp (Brazilian Private Higher Education National Forum)*, the largest meeting on higher education in Latin America. São Paulo, 27–28 September 2018.

Forty minute interview / podcast for *Fringe FM* (later *The Disrupters*, episode **25** which they titled [Rewriting Asimov’s Laws of Robotics and Enslaving AI with Prof Joanna Bryson](#), 17 August 2018.

Appeared in a documentary short, [Good in the Machine](#), produced by Cambridge University as part of a series on AI. Released 23 July 2018.

Interview, *Elsevier Connect*, [The biggest misconceptions about AI: the experts’ view](#) Gary Marcus, Max Welling, me, Elizabeth Lving, Stuart Russell. By Sweitze Roffel and Ian Evans. 16 July 2018.

“AI, Inequality, and Redistribution,” [Universal Basic Income and/or Alternatives: 2018 Update](#), hosted by the London Futurists, 2 June 2018.

“Women, Leadership, and Transnational Intelligence: AI, Ethics, and Governance,” [Women Leading in AI](#), hosted by Fabian Women at the London School of Economics (LSE), London 22 May 2018.

“AI, Economics, and Governance: Challenges of Transnational Intelligence,” invited speaker and panellist for [Impakt Event: Judging the Machine](#), with Helen Knowles and Maaïke Harbers as the other speaker/panellists. Utrecht, 19 May 2018.

Panellist, [Artificial Intelligence and Financial Crime: Panacea or Pandora’s Box?](#), evening public lecture held by the School of Law, Queen Mary University of London (QMUL), chaired by Sir William Blair and Tom Grant, other panellists: F. Scott Kieff, Libby Kinsey, Neil Munro, Michael Shearer, and David Quest. 15 May 2018.

CMS Cameron McKenna Nabarro Olswang LLP — Samuel Robinson,

[Several ten-minute videos](#) (“microdoses of genius”) created from a one hour interview by *Big Think* (who also made up the titles):

- Why creating an AI that has free will would be a huge mistake (30 May 2018).
- Would companies be more diverse if A.I. did the hiring? (24 April 2018).
- Creation without consequence: How Silicon Valley made a hot mess of progress (8 April 2018).

Quoted extensively (Chapter 14, also mentioned in the conclusion) by David Sumpter in *Outnumbered: Exploring the Algorithms that Control Our Lives*, Bloomsbury Sigma, published June 2018.

Interviewed for *Ethical, Social, and Political Challenges of Artificial Intelligence in Health*, a report by The Wellcome Trust and Future Advocacy (UK), published 30 April 2018.

Organising committee, University of Bath Institute for Mathematical Innovation thematic semester on [Machine Learning: Algorithms and Ethics](#). I also wound up giving a bunch of talks:

- “AI, Machine Learning, Ethics, and Society: Introduction and Current State of Play”, BCS offices, London, 7 February 2018.
- “Transparency in AI and Machine Learning: Is Regulation Feasible? ”, BCS offices, London, 7 February 2018.
- “Is artificial intelligence prone to prejudice?” University of Bath, 13 April 2018.
- “Of, for, and by the people: The legal lacuna of synthetic persons” University of Bath, 18 April.
- *Grand Public Debate on Machine Learning* chair: Derek McAuley, with me, Kathleen Richardson, Mandy Chesell, Nello Cristianini, and Steve Fuller.

Panellist, [Ethics in AI](#), evening public lecture held at the Royal Geographical Society, by the Guardian in cooperation with the Imperial College Computing Department. Other panellists were Malcolm Brown, Reema Patel, Andre Blake, and Maja Pantic, chaired by Ian Sample. 26 January 2018.

- Write up: Chris Middleton, [The big question – who should be responsible for ethical AI?](#), *Diginomica*, 29 January 2018.

“The Good, the Bad, and the Synthetic,” *Bath University Philosophy Society*, 13 November 2017.

“Who’s the Monster — When Machines are Perceived as People?” talk for private workshop developing the play *Making Monsters*, (playwright: Sara Clifford; producer: Judith Hibberd), Bath, UK, 11 November 2017.

Invited speaker and panellist, “Rethinking intelligence in an era of AI”, *Denkfest: Reformationen des Denkens*, Zürich, 5 November 2017.

Invited speaker and panellist, “Psychologie morale artificielle [Artificial moral psychology]”, *Forum IA responsable: Forum on the Socially Responsible Development of Artificial Intelligence*, Montréal, Québec 2–3 November 2017.

“There is no AI ethics: The human origins of machine prejudice,” online seminar (and interviews) for *With the Best*, 15 October 2017.

Credited advisor (pp. xvii–xviii) for Skilton, Mark, and Felix Hovsepian. *The 4<sup>th</sup> Industrial Revolution: Responding to the Impact of Artificial Intelligence on Business*. Primary source for Chapter 9. Springer, 2017.

Invited panellist (with among others Jonathan Bamford, Head of Parliament and Government Affairs at the Information Commissioner’s Office (ICO)), “Data Debate: The future of data in public life,” *The Alan Turing Institute*, British Library, London, 19 September 2017.

Panellist and Speaker in session “Artificial Intelligence and the Future of Work,” *Economic Symposium, European Forum Alpbach*, Alpbach, Austria, 30 August 2017.

Cited, *Council for Foreign Affairs*, “[Beijing’s AI Strategy: Old-School Central Planning with a Futuristic Twist](#)” 9 August 2017.

Quoted, *The Guardian*, “[Rise of the racist robots — how AI is learning all our worst impulses](#)” 8 August 2017.

Panellist, “The Ethics of Artificial Intelligence”, Bradford Literature Festival, 8 July 2017.

Panellist, “We Need to Talk About Technology” (following among others Laurie Anderson and Birgitta Jónsdóttir), *Manchester International Festival (MIF)*, 8 July 2017.

Panel speaker to the topic “Do we need a kill switch?” *Artificial Intelligence Conference IET*, London, 24 May 2017. [video](#)

“There is No AI Ethics: The Continuum of Natural and Artificial Intelligence, and What It Means for Human Society”, *ETH: The Future Is Cognitive* Brooklyn, NY, 16 May 2017 [video](#).

*Conscious Cities* (a group of architects) had me:

- [chair](#) their panel “How can we use high technology in the built environment?” 3 May 2017.
- write “[The Vital Need For The Unconscious City](#)” in *Anthologies, Conscious Cities: Bridging Neuroscience, Architecture, and Technology* May 2017.
- discuss AI and Cities on a short, well-edited [video](#). recorded 3 May 2017

Panellist, “Why Women in AI?”, a public CognitionX event, London, UK, 2 May 2017. [audio](#)

Panellist (with Adrian Weller, Cambridge and John Lewis, Bank of England) for the Goodenough College (University of London) AI Society Port Talk: *Artificial Intelligence and the Future of Humanity*, 7 February 2017.

On 13 January 2017, I did a [reddit science AMA](#) (ask me anything), which was featured on their front page, and received 1864 comments (questions) and 9,535 upvotes.

- My AMA was covered by [techcrunch](#) “You should read this super-interesting AMA with AI researcher Joanna Bryson”, by Devin Coldewey on the same day;
- it was also summarised in [The Winnower](#)
- On 30 April 2018 I actually did a [second reddit AMA on AI policy and regulation](#), but nobody noticed that one.

Panellist, “ Brian Cox presents Science Matters — AI and machine learning”, Royal Festival Hall (hosted by the Royal Society), London, 10 January 2017. [youtube](#)

“Five Reasons Not to Personify AI”, also, panel participant: *Robots & The Future of Welfare Services*, Helsinki Robottiviikko, 22 November 2016.

“Why AI must be biased, and how we can respond,” talk at *Re-Work: Machine Learning Summit*, New York, NY 2–3 November 2016. [video](#)

Invited panelist (with Robin Saxby and Simon Maskell; Roger Phillips, chair) *Could Artificial Intelligence Become a Threat to Mankind?* The City of Liverpool College, 21 September, 2016.

“Some Research Methods in/using AI”, 90 minute presentation to postgraduate students in a taught methods course. School of Computer Science (Kristinn Thórrison), Reykjavik University, 16 September 2016.

Invited panelist (with Michael Bratman, Bernard ter Haar, Dirk Helbing, Johan Hoorn, and Miriam Struik), *Public Session: AI and Human Values*, at the European Conference of Artificial Intelligence (ECAI), Peace Palace, The Hague, Netherlands, 1 September 2016.

Invited speaker at the Royal Society on Artificial Intelligence, in the context of the New Scientist Live festival, 23 July 2016.

Featured panelist on “Do we want robots to be like humans?”, *The Guardian*, Science Weekly podcast, 1 July 2016 with Oxford’s Paul Newman.

Invited panelist, “Ethics and Autonomous Weapons”, Centre of Global Insecurities, University of Bristol, 25 May 2016.

“Artificial intelligence: Whose mind is it anyway?”, invited talk at *Pint of Science: Beautiful Mind*, Bath, 24 May 2016.

“Which Dæmon?”, Princeton Futurists, dinner talk and discussion, 25 April 2016.

Invited panelist, “Unbottling the AI Demon”, *The Edinburgh Science Festival*, 7 April 2016.

“Technology, Reason and the Future of Morality”, Effective Altruism Seminar, Tufts University, 29 February 2016. 2-hour panel discussion session with informal introductory talks, Daniel Dennett being the other panelist.

Invited talk, “Artificial intelligence and human uniqueness”, Princeton Futurist Society, 23 February 2016.

Featured panelist on “Robots are coming for your job. . . and that’s not all”, *The Guardian*, Tech Weekly podcast, 8 October 2015, with Martin Ford, and Deloitte’s chief economist Ian Stewart.

Invited speaker in the plenary session “On the cusp: The promise of breakthrough brain research.” *Women’s Forum Global Meeting*, Deauville, France, 14–16 October 2015.

Invited participant: “You, robot! What does it mean to regulate artificial intelligence? A public debate”, University of Westminster, London, 8 October 2015.

“Intelligence in the Flesh: Why Your Mind Needs Your Body Much More than It Thinks, by Guy Claxton” *Times Higher Education* book of the week review, 17 September 2015.

Invited panellist for the panel “Critical Engineering or critical thinking?” *net:25 | 650 Years of University of Vienna, 25 Years of Internet in Austria*, Vienna, 2 June 2015.

“The Future of Robot Ethics”, invited public talk, *London Futurists*, Birkbeck College, London, 18 April 2015.

“From psychology to robots to philosophy to biology: Tips from an interesting academic life”, invited plenary, *Women in STEM: A celebration of research excellence*, Plymouth University, 20 March 2015 (British Science Week).

Tea and mentoring, Edinburgh Women in Philosophy Group, Edinburgh University, 21 January 2015.

“Semantics, Consciousness, Ethics. . . The Reality of AI Kicks Philosophy Out of the Armchair”, *Shang-hAI Lectures*, AI lectures delivered live online to lecture rooms in several continents, 11 December 2014.

Joanna J. Bryson, *Soapbox Science*, *SEBulletin*, The Society for Experimental Biology, p. 43, October 2014.

“Cooperation is Natural; Can We Make It Artificial?” *Soapbox Science*, Bristol UK, 14 June 2014.

“Counting on Girls”, participant expert for speed-dating advice on careers to 13-year-olds at the Ralph Allen School (state school in Bath), 7 March 2014.

Miles Brundage and Joanna Bryson, “Why Watson Is Real Artificial Intelligence”, article in the *Slate* blog *Future Tense*, 14 February 2014.

“Patience Is Not a Virtue: Intelligent Artefacts and the Design of Ethical Systems”, invited talk at *The Person in Virtual Reality*, a discussion event of the Albertus Institute, Edinburgh, 18 January 2014.

**Huffington Post Live**, panelist for “The complex relationship between humans and robots”, broadcast originally 9 January 2014, still available on Web archive.

Guest lecture / Q&A (by video) on robot ethics, *Philosophy of Technology*, Evan M. Sellinger (course organiser), Rochester Institute of Technology, 29 October 2013, and 15 January 2013.

“From Artificial Consciousness to Human Public Goods: A Skeptical Review of Robot Ethics”, invited public lecture, *The Conway Hall Ethical Society*, London, 15 September 2013.

(Losing) contestant, *I’m a Scientist, Get Me Out of Here!*, “Animal Behaviour Zone”, June 2013.

“Robots, Science, & Simulated Society: How AI Helps Us Change Our World”, *Ignite: Bath Digital Festival*, 18 March 2013.

“Robot Faces”, *TEDx Loughborough*, 16 March 2013.

“Can Robots Be Conscious?” *Skeptics on the Fringe*, Banshee Labyrinth, Edinburgh, 5 August 2012.

Joanna J. Bryson, Kerstin Dautenhahn and Geoff Pegman, “Man and the machine”, letter in the [online version of the \*The Economist\*, 16 June 2012](#).

Jason Leake and Joanna J. Bryson “Can you indict a robot”, invited poster presentation for *Emerging technologies: are the risks being neglected?* London 21 May 2011.

“The Ethics of Conscious Robots”, *Cardiff Skeptics in the Pub*, 19 March 2012.

“The Ethics of Conscious Robots”, *Bath Skeptics in the Pub*, 6 December 2011.

Joanna J. Bryson “AI Robots Should Not Be Considered Moral Agents”, *Artificial Intelligence: Opposing Viewpoints Series*, selected and edited (from *Robots Should Be Slaves*) by Noah Berlatsky for Greenhaven Press (schoolbooks), pp.155–168, Farmington Hills, MI, USA, June 2011.

“Thinking on Robot Thought”, *BathCamp* (local technology-oriented monthly networking event), 2 November 2011.

“Do We Need Emotional Robots?”, *General University Lecture Programme*, University of Bath, 2 March 2011.

“The Ethics of Robotics”, *Southampton Science Café*, with Alan Winfield, 30 November 2010.

Joanna J. Bryson, “The Need for Cognitive Systems in Medical Care”, *CyberTherapy & Rehabilitation Magazine* 3(3):35–36, 2010.

“Cognitive and Behavioural Robotics”, *The Austrian Association for Innovative Computer Science — Summer Robotics Course*, Technical University of Vienna, 4 August 2009.

Joanna J. Bryson, “Adaptive Trade-Offs Concerning Cognition and Culture”, talk presented at *Hot Topics in Cognitive Science*, Grünau, Austria, 12–13 June 2009.

“Agent Based Modelling for Science: The Evolution of Cultural Evolution”, Lecture for PhD students in *The European Science Foundation Network for the Evolution of Social Cognition (CompCog)*, Department of Cognitive Biology, University of Vienna, 23 September 2008.

“Consciousness is Easy but Learning is Hard: The Computational Complexity of Cognition”, guest talk for the Hot Topics in Cognitive Science student symposium, The Konrad Lorenz Research Station, Grünau, 20 June 2008.

“Can we build artificial intelligence — and should we?”, public talk and discussion at the Bath Science Café, *The Raven* (public house), Bath, UK. 14 January 2008.

Quoted several times in Michael Balter, “Why We’re Different: Probing the Gap Between Apes and Humans”, *Science*, 319(5862):404–405, 25 January, 2008.

Cyril Brom and Joanna J. Bryson, “Action Selection for Intelligent Systems”, white paper for *The European Network for the Advancement of Artificial Cognitive Systems*, 7 August 2006. Originally developed as the Wikipedia articles “Action selection” and “Reactive planning”.

“Robot Emotions”, invited presentation and panel participation for *The Cambridge Robot Project*, Cambridge, UK. 25 May 2006.

Joanna J. Bryson, Emmanuel Tanguy and Phil J. Willis, “The Role of Emotions in Modular Intelligent Control”, in *The AISB Quarterly*, Summer 2004.

“Why Make Monkeys?”, talk for Cybersalon, the Museum of Science, London. 27 May 2004.

“Intelligence by Design” talk for the *It’s In Your Head*, a UK National artists’ initiative, Generator Studios, Dundee, Scotland. 11 August, 1999.

**Films** *These are from [iMDB](#).*

Digital Surveillance (2023)

[Who Made You? \(Outouden laakso\)](#) (2019). Featured in the documentary film, producer: Guerilla Films, Finland.

Featured in the **documentary film** [bias](#). Premiered in 2018.

**Press and Media Appearances, including Podcasts, but not Films or Fabrications**

Cited and linked to, about governing AI as a utility, [Europe’s Digital Sovereignty is a Democratic Imperative](#), by Jonah Schwope for *TechPolicy.press*, 14 May 2025.

Quoted on collegiality in times of war by Andrew Jack in the [Financial Times Business School Insider](#), 28 April 2025.

Brief mention of policy recommendation with link to relevant publication, [Doter l'IA d'une personnalité n'est pas sans risque](#), by Nicolas Six, *Le Monde* 12 April 2025.

Quoted (slightly inaccurately) about Google ATEAC, [April 2, 2019 | Google AI Ethics Committee nearly fell apart less than a week after its establishment](#) in their 'today in history' feature, *eeworld*, 2 April 2025.

**Vestlusring:** [tehisaruga seotud hirmud on düstoopilised, kuid mitte ebarealistlikud](#) (Discussion: Fears about artificial intelligence are dystopian, but not unrealistic), an interview with Professors Margit Sutrop and Meelis Kull in the Estonian journal *Forté*, 18 February 2025.

**podcast:** [Trump, Privacy, and Global AI Control](#), (with Vibhav Mithal, and Aashka Patel, host) *On AIR with Aashka*, 14 February 2025.

Quoted on anthropomorphism and the EU AI Act, [Empathy-as-a-Service: When AI Feels Too Human, What's at Stake?](#), by HennyGe Wichers for HACKERNOON, 23 January, 2025.

Listed as one of four 2019 keynotes (with Yoshua Bengio (deep learning), Catalina Butnaru (AI ethics), Joanna Bryson (AI power and responsibility), and Jumanne Mtambalike,) [SHIFT Business Festival järjestetään 10. kerran — alueen merkittävin yritystapahtuma sykkii elinvoimaa](#) 14 January, 2025.

[Was wir 2025 noch lernen sollten](#), year-end interviews compiled by Charlotte Pardey for *Forschung und Lehre*, 27 Dec 2024.

[KI als Werkzeug, KI als Waffe: Wie KI die Bundestagswahl verändert](#), scroll down to 'Ethik-Professorin Bryson: "KI ist das Gesicht, das wir der digitalen Revolution geben"', in *Der Mitteldeutsche Rundfunk*, 24 December 2024.

Minor mention of appearance at a local meeting, [Tehisintellekti eetika arendamiseks loodi üle-eestiline võrgustik](#) (A pan-Estonian network was created to develop the ethics of artificial intelligence), *Postimees*, 29 November 2024.

Minor mention of 2010 chapter, [El mejor promedio de la última Colación de Grados fue para una farmacéutica](#), editorial *La Nueva*, 21 December 2024.

Featured interviewee, [AI & Society: Does AI Need More Philosophers?](#), *Apparatus podcast*, host Daniela De Angeli, 16 December 2024.

Featured content, [Two Amazing Experts: AI's Ethical Pitfalls](#), video lesson created by Sari Beth Rosenberg for *Share My Lesson* (American Federation of Teachers), 5 December 2024.

Two articles mentioned / described, [Mensch und KI: Eine Sache des Vertrauens](#), blogpost by Marisa Tschopps, 4 November 2024.

[Interviewed on FM4](#) (Austria) about whether we can be hopeful about AI, at Ars Electronica, Linz, Austria, by Christian Cummings ([tweet](#)), on the occasion of the signing of the Council of Europe AI treaty, 5 September 2024.

**podcast** [AI and Gender: Shaping the Future of Inclusive Technology](#), Host: Ms. Heena Goswami, Institute for Governance, Policies and Politics. 23 minutes, recorded 9 August 2024, streamed 5 Sept 2024.

**podcast** [Joanna Bryson on Human-AI Collaboration And AGI](#), *Are you human?* host with Kamila Hankiewicz, a 1min cut of the May recording, 28 June 2024.

**podcast** [Joanna Bryson: That Is Why We Have Climate Crisis Now](#), *Are You Human* with Kamila Hankiewicz (recorded 30 May 2024, contra their Webpage), 27 June 2024.

Quoted at length [In the Race to Artificial General Intelligence, Where's the Finish Line?](#) by Lauren Leffer for *Scientific American*, 25 June, 2024.

Mention [Is AI een even grote bedreiging voor de mensheid als nucleaire oorlogen en pandemieën?](#), by Aaron Mirck for *Hp De Tijd*, 29 May 2024.

[HCAI Episode 6: Governing AI with Joanna Bryson](#) *The Human-centered Artificial Intelligence Podcast*, hosted by Mattias Rost and Alan Said, 15 May 2024.

Blogpost recommended, [Warum OpenAI nie offen sein konnte](#), von Marie Kilg, für *Zeit Online*, 8 April 2024.

Radio interview, [Could Robots Be Persons?](#), by Devon Strolovitch for the KAWL Philosophy Talk’s series *The Human and the Machine*, broadcast 7 April 2024.

Quoted, [Safety Fears Raised Over Risks of ‘Penetrative AI’](#), by Paul Marks for *Communications of the ACM*, 4 April 2024.

Mention, [10. TCG Summit: Künstliche Intelligenz und Nachhaltigkeit im Fokus](#), by Dominik Schebach for elektro.at, 2 April 2024.

[Is AI Just an Artifact?](#) with Joanna Bryson Podcast / interview by Anja Kaspersen for the Carnegie Council for Ethics and International Affairs podcast series *Artificial Intelligence & Equality Initiative*. 30 April, 2024.

Quoted, [What the EU’s tough AI law means for research and ChatGPT](#), by Elizabeth Gibney, *Nature*, 16 February 2024.

Mentioned and a paper linked, [AI seems like it can do anything — but will it ever learn to love?](#) By Cameron McAllister, *Palatinate* 9 February 2024.

Referenced (as a German professor) [Peut-on avoir confiance en un algorithme?](#) (Can we trust an algorithm?) *radiofrance* 6 February 2024.

Quoted extensively, [The Year of AI](#), by Zeeshan Ahmad, in Pakistan’s *Express Tribune*, T-Magazine, 28 January 2024.

Mentioned, [Los sesgos de los “loros estocásticos”](#), by Gabriel Ibarra Pardo, Asuntos:Legales, 15 January 2024.

Quoted several times, [Could an AI tool accurately predict when each of us will die?](#), by Daniel Bardsley, *The National News*, 22 December 2023.

One of several interviewees (including Sandra Wachter): [KI-Tools, Erfolge und Hoffnung zum Jahreswechsel](#) (AI tools, successes and hope at the turn of the year), *Tagesspiegel Background*, 22 December 2023.

Quoted at the end of a nice article calling AGI ‘the Holy Grail’ [Intelligence générale artificielle : savoir ce qui est vrai](#), *Nouvelle Du Monde* 27 November 2023.

Featured in a blog article on women in AI, [Donne e Intelligenza Artificiale: il contributo femminile verso un futuro inclusivo](#), by Arianna Meroni and Camilla Zan, *skilia* 21 Novembre 2023.

**podcast** [Azeem’s Picks: Creating AI Responsibly with Joanna Bryson](#), interview for Harvard Business Review by Azeem Azhar, I think re-edit from 2019, but links to one of my 2023 blogposts and released 15 November 2023.

Mentioned [A tale of two research institutes: Boston Dynamics AI Institute’s Marc Raibert and Toyota Research Institute’s Gill Pratt on the future of robot and AI research](#) by Brian Heater, 1 October 2023.

Quoted (and pictured) [사고-논란 9년 새 26배 급증... ‘FATE’ 확보에 ‘운명’ 달렸다\[심층기획-AI 앞에 선 민주주의\]](#), by Jihye You for the Segye Times. 26 September 2023.

Quoted (several times), [2023 IFA Berlin: How to regulate AI, and unleash AI innovation as a leveller](#), by Nimish Sawant, for *moneycontrol*, 10 September 2023.

Interviewed for podcast, [Will AI end democracy? Part Two—Germany and Europe](#), *Common Ground Berlin*, 4 September 2023.

Featured interview, [AI’s Dual Nature: Empowerment and Enslavement](#) by Marie-Georges Fayn for her Website *selfpower community*, 1 September 2023.

Mentioned, [Kann ein Roboter ein Bewusstsein entwickeln?](#), podcast by Gregor Schmalzried, and Fritz Espenlaub, apparently on ARD1. 23 August 2023.

Quoted, [Wie Staaten weltweit KI in Schach halten wollen](#), by Matthew Hutson, *Spektrum.de*, 24 August 2023.

Quoted, [Rules to keep AI in check: nations carve different paths for tech regulation: A guide to how China, the EU and the US are reining in artificial intelligence.](#), by Matthew Hutson, in *Nature*, 8 August 2023.

Quoted, ‘You can do both’: experts seek ‘good AI’ while attempting to avoid the bad, *The Guardian* by Hannah Devlin, 7 July 2023.

Quoted in podcast, *Euronews Tech Talks: Will generative AI surpass human minds?* 30 June 2023.

Prof. Joanna J Bryson — How Does Technology Impact Important Cooperative Behaviors like Governance, Political Polarization, Economic Inequality, and Social Mobility?, **podcast feature** with host Lauren Hawker Zafer on *Redefining AI — Artificial Intelligence with Squirro*, 27 June 2023.

I told the AFP that abuse of AI wasn’t an existential threat, just (potentially) a horrible, awful weapon. That wound up in a lot of French press, e.g. *France24* 27 June 2023.

Quoted in article (I think) about EU Regulation, *Big Tech Wants AI Regulation — So Long as Users Bear the Brunt*, By Jillian Deutsch, Bloomberg, 23 June 2023.

**JOANNA BRYSON: ARTIFICIAL AND NATURAL INTELLIGENCE**, **podcast feature**, *plutopia*, with Wendy Grossman. 19 June 2023.

Quoted in article, *In Germany’s east, a hard rethink of relations with once-close Russia*, *Christian Science Monitor*, by Lenora Chu, 6 June 2023.

**Featured** in an article, *Joanna Bryson: “Encontrámos uma forma de assustar as pessoas com a inteligência artificial”*, in *Público*, by Karla Pequenino, 28 May 2023.

Brief mention, *Rise of AI: "70 years we’ve been working towards this — now AI is finally here"* (or a *German version talking more about Germany*), by Silke Hahn, *heise online*, 19 May 2023.

Quoted in article, *Figure’s humanoid robot takes its first steps*, *Tech Crunch*, by Brian Heater, 18 May 2023.

Quoted in article, *Kann man Künstliche Intelligenz regulieren, bevor sie zum Überwachungs Albtraum wird?* by Maurice Frank, *Berliner Zeitung*, 2 May 2023.

*Joanna Bryson: The Problems of Cognition*, **podcast feature**, *Gradient* by daniel bashir, 13 April 2023.

interviewed, along with Gary Marcus, *Rage Against the Intelligent Machines*, by Paul Marks, for the *Communications of the ACM*, 11 April 2023.

interviewed, along with David Gunkel and Kate Darling, *Should Robots With Artificial Intelligence Have Moral or Legal Rights?*, by Daniel Akst, *The Wall Street Journal*, 10 April 2023.

video interviewed for *Who will win the race to dominate AI?* by Katharina Ferguson for *Deutsche Welle: Business Beyond*, 24 March 2023.

*Beyond Markets Webcast: Artificial Intelligence*, *Julian Baer*, with Luca Menozzi, interviewed by Hannah Wise. Online, 23 March 2023.

Quoted and referenced, *Idealny przyjaciel bot* by Emilia Kaczmarek, *Kultura Liberalna* (Poland), 28 March 2023.

Quoted, *ChatGPT is pushing generative AI forward, with powerful potential in health care settings*, by Hannah Webster, in the *Pittsburgh Post-Gazette*, 25 March 2023.

Extensive quotes (and picture), *AI: ChatGPT forces debate over rules, (oder Deutsche)* by Janosch Delcker, *Deutsche Welle*, 24 February 2023.

*You Are Not a Parrot*, basic mention despite extensive interview (much material was used) and also introducing to three friends who all provided much content, yet only the male got named (Bettina Berendt, Anna Strasser, and Daniel Dennett). By Elizabeth Weil, *Intelligencer; New York Magazine*, 1 March 2023.

*Booth2Booth: VO (Voice Overs) & AI*, **podcast featured** with Mike DelGaudio by Andrew Scott. 24 February 2023.

Interviewed in Class CNBC (Italy) segment on AI, broadcast late February through early March 2023.

quoted *Sam Altman says ‘potentially scary’ AI is on the horizon. This is what keeps AI experts up at night*, *euronews* by Luke Hurst, 23 February 2023.

*What ChatGPT and the likes tell us about AI*, **podcast feature**, interviewed by Luca Bertuzzi and Evi Kiorri, *EURACTIV Tech Brief*, 27 January 2023.

referenced only (as an essential twitter follow), [Pensar sobre el mundo digital](#), by Enrique Benítez, 16 December 2022.

referenced and quoted (via Wired article) “Tietoinen tekoäly aiheuttaa ongelmia jo ennen tietoisuutensa saavuttamista” (er, something Finnish about AI consciousness), by Teemu Hallamaa, [yle](#), 16 October 2022.

Cited in [Regulating Artificial Intelligence — Is Global Consensus Possible?](#) write up of the May 2022 HEC event for *Forbes*, 9 September 2022.

(Artificial) Intelligence, law and geopolitics with Joanna Bryson, **podcast feature**, [Last week on Earth with GARI](#) (Global Arena Research Institute). Released 15 July 2022.

Joanna Bryson || Ethics & Role of Humans in the Age of AI, **podcast feature** *Soul Searching*, host: Ryan Dsouza. One hour, released July 2022.

Video interview by Al Jazeera’s Sandra Gathmann [Is artificial intelligence out of control?](#) as part of their *Start Here* series, with Mark Brakel and Martin Ford. 23 June 2022.

referenced, by Mois Navon, “Google’s ‘sentient’ AI can’t count in a minyan, but it still raises ethical dilemmas,” [The Jerusalem Post](#), 17 June 2022.

tweet photo quoted and translated, by Martin Eisenlauer [GOOGLE-ENTWICKLER SICHER: Künstliche Intelligenz hat eigenes Bewusstsein](#), *BILD*, 15 June 2022.

[AI Futures—S2E6] [The Future of Security and Privacy in an AI-Enabled World](#), with Dr. Joanna Bryson of the Hertie School, *The AI in Business Podcast* (Daniel Faggella), 4 June 2022.

substantial quote, Leonora Chu, [Moral nation? Why Germany changed course so radically on Russia](#), *The Christian Science Monitor*, 28 April 2022.

minor quote, Jackie Snow, [Cities Take the Lead in Setting Rules Around How AI Is Used](#), *Wall Street Journal*, 9 April 2022.

Brief quote: “Joanna Bryson has just left what could be considered the phrase of the year: ‘AI is becoming the new paper, not the new oil.’” [Inteligencia artificial de papel en el SXSW y en la UE](#), by Eugenio Mallol for *Forbes*, 31 March 2022.

Extended quote, Daniel Kolitz [What’s the Most Dangerous Emerging Technology?](#) I chose governance, because it can lead to genocide. *Gizmodo*, 21 February 2022.

Quoted (somewhat inaccurately) [The AI Outlook](#), By Karen Emslie (Commissioned) *Communications of the Association for Computing Machines (ACM)*, 1 February, 2022.

Podcast, [Could Robots Be Persons?](#), third of three in a series “The Human and the Machine.” *Philosophy Talk*, 9 January 2022.

[Interview — Thought-provoking Conversation With AI Expert, Joanna Bryson](#) by Roland Alston for DZone 9 November 2021.

[Economic inequality and decline fracture society, says a new study](#), coverage of our *Science Advances* paper in *ZME Science*, 14 December 2021.

**Pseudo-documentary interview in a character ‘Prof. Susan Calvin’** (somewhere half between myself and the Asimov personality), [Episode 4: Meeting a Professor](#), *The Data Proxy*, vlog / art installation by Francis Hunger, 10 Oct 2021.

Quoted several times, including the kicker [US-EU agreement on artificial intelligence seen as a swipe at China—but little else for now](#), David Matthews, *Science|Business*, 5 October 2021.

Quoted several times about the costs of the EU’s draft AI Act [POLITICO AI: Decoded: Parliament is back — The price of AI — Doctors > AI](#), by Melissa Heikkilä (due to Meeri Haataja), *Politico*, 8 September 2021.

Quoted several times about the EU’s draft AI Act and its costs, [The Fight to Define When AI Is ‘High Risk’](#) by Khari Johnson (due to Meeri Haataja) *Wired*, 1 September 2021.

Interviewed for / in, [Die Ethik, der Mensch und die künstliche Intelligenz: Wie wir mit Algorithmen zusammenleben wollen](#) by Mariann Unterluggauer on Ö1, (Austrian national radio). 16. Juli 2021, 19:05.

**Interview** by Jenny Darmody, [The importance of having accountability in AI ethics](#), *Silicon Republic*, 1 July 2021.

Policy mentioned in [Why You Should Never Say Thanks To Siri](#) Charles Radclyffe, *Forbes*, 20 May 2021.

[The Week in 7 Questions with Prof. Joanna Bryson and Roland Freudenstein](#), Featured on weekly short podcast by the [Wilfried Martens Centre for European Studies](#). Questions are about AI and the newly-released draft EU AI Regulation. 30 April 2021.

[#13 Intelligence, biology, technology and everything that connects us with Joanna Bryson](#), Volume Podcast, 22 March 2021.

[AI: Science Fiction VS Reality](#), **video interview** by the Digital Future Society (Spanish government) 22 February 2021.

[AI Expert Joanna Bryson Dishes on Due Diligence and Rooting Out AI Bias, part 1](#), and [part 2](#) by Roland Alston, *Appian Financial Services and Insurance Blog*, 18 and 26 February, 2021.

[Futurama Already Taught Us In 2001 Not To Date Robots](#), by Rich Cromwell, in *The Federalist*. Commentary on my debate with Devlin (see below) backs my side. 15 Feb 2021.

Podcast debate (with Kate Devlin, John Donovan chair), the topic was agreed to be “Should we date robots?” but now marketed as [Agree to Disagree: Sex with Robots?](#) (and before that, as sex robots!) originally produced by *Intelligence<sup>2</sup> Debates*, now branded *Open to Debate* 12 February 2021.

Interview subject, [On the Nature of Intelligence and AI TechSequences: Technology & Consequences Podcasts](#), released 13 January 2021.

Panellist (television), [Who is right: Facebook or Apple?](#) with Marc Owen Jones, Jim Anderson, and Peter Dobbie (presenter), *Al Jazeera English*, 3 January 2021.

Interview subject (concerning recent journal article) [Inequality, economic decline fuel social polarisation, right-wing movements](#), *Daily News (Egypt)*, 5 January 2021.

Live television interview, *Al Jazeera English*, commenting on SolarWinds and cybersecurity, 17 December 2020.

Quoted, [AI and ethics: the challenge of lining up stakeholders](#), a special report by Callum Cyrus in the magazine *Global Corporate Venturing*, 15 December 2020.

Podcast interview for [Forum: Govtech Europe](#), 28 Nov 2020.

[The problem with algorithms: who’s responsible for AI bias? | Joanna Bryson on Engati CX](#), podcast, 12 November 2020.

Quoted, [Wary of China, the West closes ranks to set rules for artificial intelligence](#) by Janosch Delcker, *Politico*, 6 September 2020.

Podcast, [Data & Dystopia](#), with Samira Rafaela, Sarah Chander, Patrick Breyer, music by Wael Koudaih and host James Kanter. 16 June 2020.

Discussed: The Future of Teaching <https://whatifshow.com/what-if-your-teacher-were-ai/> (and Jutta Treviranus), *What If* **podcast**, hosts Peter Schmiedchen and Richard Garner, 1 August 2020.

Listicle, [36 Experts Share Digital Workplace Best Practices To Fight COVID-19](#), 24 April 2020.

[Ethics of Disruption](#) by Jericho Chambers first podcast, on ‘Theory and practice of Ethics of AI, with Dominic Houlder, and Nikolas Kairinos. 20 April 2020.

Interview, [Plastic Touch](#), in *about Digital Health*, 25 March 2020.

Featured interview by David Rischel, [Professor Joanna Bryson: Med kunstig intelligens bliver det langt nemmere at overvåge befolkningen. Men problemet er politisk, ikke teknologisk](#), in *RÆSON*, 24 March 2020.

[Gender Bias in Technology: How Far Have We Come and What Comes Next?](#) interviewed with Susan Etlinger, Os Keyes, and Joy Lisi Rankin. *Centre for International Governance Innovation*, 19 March 2020.

[The coexistence of artificial and natural intelligence Interview with Joanna Bryson, leading expert in artificial and natural intelligence](#) Digital Future Society. 2 March 2020.

[Why Europe May Not Need Big Tech](#) **CNN Money** interview by Hannah Wise (5 min), 19 February 2020.

**podcast** [Big Tech — S1E07 — Joanna J Bryson on Regulating the Software Behind Artificial Intelligence](#), interviewed by David Skok and Taylor Owen, *Centre for International Governance Innovation* (CIGI), 30 January 2020.

**Featured interview:** [Only Humans Can Be Accountable For AI](#) by Bennie Mols, in *Communications of the ACM*, 7 November 2019.

[AI challenges discussed at UN event co-hosted by Slovenia](#) STA (a Slovenian news source) describing event, see video under Policy above. 29 October 2019.

Quoted several times, including kicker [Why Terminator: Dark Fate is sending a shudder through AI labs](#), Sam Shead, BBC News, 25 October 2019.

Quoted, [Opinion: I Always Feel Like Somebody’s Watching Me](#). Dev Class, 20 September 2019.

Featured interview: [‘Slimme AI kan nóít een mens worden’](#) by Bennie Mols in *NRC Handelsblad*, 8 September 2019.

[Joanna J Bryson: Academic Expert in Artificial and Natural Intelligence](#), *The Human Show* (podcast), 26 August 2019.

[Designing Responsible AI](#) podcast / interview by Azeem Azhar for Exponential View and the Harvard Business Review. 10 April 2019. This must have done pretty well, because they later released another conversation from about the same time but that occurred on stage at *Cognition X* as [Governance in the Age of AI](#) (released 14 August 2019).

**vlogpost** [Joanna Bryson](#), by Monika Tomczak, for *AXSchat*, an accessibility network. 1 July 2019.

Featured, [Ciencia “Un grupo de multimillonarios invierte mucho dinero en difundir que la AI es una amenaza”](#) Javier Cortés in *Retina*, 2 May 2019.

Quoted extensively, [The Washington Times](#) and [Daily Herald](#) "Real or artificial? Tech titans declare AI ethics concerns", 7 April 2019. The story about Google’s dissolution of its Advanced Technology External Advisory Council (ATEAC, cancelled following backlash for being over-inclusive) was simultaneously published in both papers on the same day. Cf. below for press on the original ATEAC announcements on 27 March. At least two other later versions came out later, still with my extensive quotes:

- [How Real Are ‘Ethical Artificial Intelligence’ Efforts by Tech Giants?](#), *Insurance Journal*, 11 April 2019.
- [Real or Artificial? Tech Titans Declare AI Ethics Concerns](#). Idaho Business Review, 24 April 2019.

Quoted, [Internal Google Panel to Vet AI Projects Packed with Executives](#). Free Malaysia Today, 7 April 2019.

Quoted extensively, [Google A.I. Panel Member Says Google ‘Pulled The Plug Rather Than Defend Themselves’](#). Forbes, 5 April 2019.

[Google launches global council to advise on AI and tech ethics](#). Channel News Asia, 27 March 2019.

Extensively quoted, BBC on ATEA’s first announcement [Google announces AI ethics panel](#) 26 March 2019.

The whole Google ATEAC narrative via *The Register*:

- Surprisingly flattering tweets (by others about me as well as some of the better ones by me) quoted, [Google plonks right-wing think tanker and defence drone mogul on AI ethics advisory board; Most of the internet: Yikes](#), Rebecca Hill, *The Register*, 27 March 2019.
- Then a long actual interview, [Googlers, eggheads urge web giant’s bosses to kick top conservative off its AI ethics council](#) Katyanna Quach, *The Register*, 2 April 2019.
- More quoting tweets in the aftermath, [Back to drawing board as Google cans AI ethics council amid complaints over right-wing member](#), Rebecca Hill, *The Register*, 5 April 2019.

[AI and I: A Twinkle in Artificial Intelligence](#) interview by Asumpta Lattus, published February 2019. Quoted extensively in an article mostly about Boston Dynamics, [The robots are here](#), *New Scientist* bf 241(3215):34–38, 2 February 2019.

**Featured interview: AI ethics - An interview with Joanna Bryson**, *Antenna Magazine*, Brewin Dolphin, 29 January 2019.

Quoted, [Google says it built a ‘superhuman’ game-playing AI. Is it truly intelligent?](#) by Katherine J. Wu, PBS NOVA Next, 6 December, 2018.

Work on legal personality for AI cited, [An open letter to Silvio Schembri](#) by Christopher Bugeja, John Paul Cauchi, Brian Delicata, Nadia Delicata, Matthew Fenech, Raisa Galea, and Matthew Pulis, *Times of Malta*, 24 November 2018.

[Seven Takeaways From This Year’s Singapore Fintech Festival](#). FiNews Asia, 19 November 2018.

[Singapore FinTech Festival Attracted A Record 45,000 Participants From 130 Countries](#). Mondo Visione, 19 November 2018.

[Huge online Trolley Problem survey reveals people’s cultural bias](#). New Scientist, 24 October 2018.

**Animated video interview: MACHINES WITH BRAINS 4(2) Computing human bias with AI technology**, *Quartz*, 23 October 2018.

Quoted extensively in the news story that was published to accompany the animated video produced by Quartz. [Scientists used AI to explore the results of the Implicit Association Test](#). Quartz, 23 October 2018.

[Recognizing the limitations of artificial intelligence](#). Thomson Reuters Blog ([Answers On - AI Experts](#)) 17 October 2018.

[MPs called ‘dumb’ for asking a robot to testify](#). IT Pro, 12 October 2018.

[Amazon ditches sexist AI](#). Information Age, 11 October 2018.

Both mentioned (my bias work) and plagiarised (my accountability position stated without attribution) in a prominent editorial: [The Guardian view on artificial intelligence: human learning](#). “Computers can’t be held responsible for anything. So their owners and programmers must be.” 14 October 2018.

[The UK Parliament asking a robot to testify about AI is a dumb idea](#). Technology Review, 11 October 2018.

Note aux dirigeants : Joanna Bryson dénonce les critiques à l’encontre de la réglementation de l’IA (IA et éthique, partie 2) [Memo to CXOs: Joanna Bryson Calls BS on AI Regulation Critics (AI Ethics, Part 2)]. Appian, 27 September 2018.

[Who’s in charge, you or the car?](#) 13 minute interview by Hannah Wise, *CNN Money*, 12 September 2018.

[Do We Need to Dehumanize Artificial Intelligence?](#). Medium, 5 September 2018.

Quoted in Carolyn Y. Johnson, [Children can be swayed by robot peer pressure, study says](#) *Washington Post*. Story was picked up by other papers, also published under the headline “ Robot overlords may sound scary, but robot friends could be just as bad.” 15 August 2018.

[Artificial Intelligence Is Not a Species — Joanna Bryson](#), podcast on *Max Talks AI*, released 23 July 2018.

Quoted several times in an account of a round table with David Hanson, Alan Winfield, Kate Devlin, and Will Jackson: [Robotics roundtable: Should robots look like humans, or like machines?](#) by Joanna Goodman, *internet of business*, June 2018.

[Artificial Intelligence: What Side Of History Do You Want To Be On?](#). Forbes, 11 June 2018. [FCA Insight Lecture: Dr Joanna Bryson—Artificial Intelligence and Machine Learning](#), article describing my talk to the UK government authority in charge of financial conduct, published in *Lexology*, 23 April 2018.

Extensive, important quotes in:

- James Vincent, [Google’s AI sounds like a human on the phone: should we be worried?](#), *The Verge* 9 March 2018.
- Amy Barrett, [Profile: 500 Women Scientists, the organisation that’s building a more inclusive scientific society on a global scale](#), *Tech Spark* “all things tech in the West” (of England.) 8 March 2018.
- James Vincent, [Pretending to give a robot citizenship helps no one](#), *The Verge*. **Really great quotes**, some of which got picked up by many other more prominent news sources.

More trivially quoted in:

- Ananyo Bhattacharya, <https://www.nature.com/articles/d41586-018-02695-7>, *Nature*, 7 March 2018.
- Jessica Miley, [11 AI Movies and What They Got Right and Wrong About the Technology](#) *Interesting Engineering* 9 March 2018.

**Jon Snow, Channel 4 News at 7 interview, Dr Joanna Bryson on Spot Mini the robotic dog**, when Boston Dynamics got their robot to open a door. (Unfortunately I had an evening lecture so couldn’t do it live.) 13 February 2018

Panellist for *The Guardian Science Weekly podcast*: “Questioning AI: what kind of intelligence will we create?”, 17 January 2018. [audio](#)

Featured on **NPR** (WNYC, but broadcast internationally) radio show, “Are You There Siri? It’s Me, Margaret: A Look at The Rapidly Changing World of AI,” broadcast 1 January 2018. [audio](#)

Appeared live on *Al Jazeera* television (English) discussing AI and society, 23 December 2017.

Quoted, *The Guardian*, [“AlphaZero AI beats champion chess program after teaching itself in four hours”](#) 7 December 2017.

Quoted extensively, “Warum es wichtig ist, wie Roboter aussehen [Why it matters how robots look]”, [Krautreporter](#), 17 December 2017.

quoted, [“Battling AI Biases”](#), *Communications of the ACM*, 28 November 2017.

**Newspaper interview**: “Geben wir Robotern Rechte, behandeln wir sie wie Menschen [If we give robots rights, we treat them like people]” full page [interview](#) with art and photo, *Berner Zeitung*, p. 18, 25 November 2017.

Quoted, *Slate*, [“What Exactly Does It Mean to Give a Robot Citizenship?”](#) 7 November 2017

Interviewed for **BBC Radio** “Can We Teach Robots Ethics?” two versions appeared: [World Service](#) 23 minutes, and [Radio 4](#) 30 minutes, 15 and 22 October 2017 (respectively.)

Quoted, *The Register* [“EU watchdog: Govt bods are seeking ‘legal knockouts’ to dodge transparency”](#) 20 September 2017.

Quoted, *Vox*, [“How worried should we be about artificial intelligence? I asked 17 experts.”](#) 17 September 2017.

Quoted, *The Observer* [“Would you want a robot to be your child’s best friend?”](#) 10 September 2017. Invited talk, “There Is No AI Ethics: Five Reasons Not to Other AI”, *AI—The other I: Symposium, Ars Electronica*, on the panel “Ethics, Philosophy and Spirituality.” Linz, Austria, 8 September 2017. [video](#)

**Individual interview** for the blog of Austrian National Radio (**ORF.at**), [“Maschinen haben längst Bewusstsein \[Machines are already conscious\]”](#), 4 September 2017.

Quoted extensively in *New Scientist*, [“How to turn Facebook into a weaponised AI propaganda machine”](#) 28 July 2017.

**Newspaper interview**: “Kabelbündel fürs Grobe,” full page [interview](#) with art and photo, *Taz*, p. 13, 26 July 2017.

**podcast Ep. 44 – Dr. Joanna Bryson, RoboPsych Podcast**, by Dr. Tom Guarriello, 15 June 2017.

**BBC World Service Business Daily** [“Machine Learning”](#) 25 April 2017.

There were an enormous number of media appearances the week that our *Science* article was released and after. [AltMetrics captured 102 news stories](#) and certainly missed some. As of January 2018, AltMetrics places our article as the 23<sup>rd</sup> most discussed of the 43,198 articles in *Science* it has ever tracked, and 398<sup>th</sup> of all 8,926,037 academic ‘outputs’. A few favourites:

- *Science* itself printed a popular science account “[Even artificial intelligence can acquire biases against race and gender](#)” 13 April 2017, as well as soliciting an academic commentary “[An AI stereotype catcher](#)” by Anthony Greenwald **356** (6334):133–134 14 Apr 2017.
- *The Guardian* had several articles, including “[AI programs exhibit racial and gender biases, research reveals](#)” (13 April 2017); and the editorial “[The Guardian view on computers and language: reproducing bias](#)” (14 April 2017).
- *Wired*, “[Just like humans, artificial intelligence can be sexist and racist](#)” 13 April 2017.
- *Austrian National Radio (ORF.at)*, “[Auch Computer haben Vorurteile](#) (Even computers have prejudices)” 13 April 2017.
- *The Register* “[Good job, everyone. We’re making AI just as tediously racist and sexist as ourselves](#)” 14 April 2017.
- *Popular Science* “[Language is training artificial intelligence to replicate human bias](#)”
- *Motherboard* “[It’s Our Fault That AI Thinks White Names Are More ‘Pleasant’ Than Black Names](#)” 26 August 2017.
- *CNNMoney* [Can tech be biased?](#) (video) 10 May 2017.
- *Boston Globe* “[Why artificial intelligence is far too human](#)” 7 July 2017.
- “REVEALED: AI is turning RACIST as it learns from humans” *The Express* [quoted The Guardian](#) quoting me.
- Our work got cited in the **Stephen Colbert** segment “[Stephen Colbert’s Cyborgasm: Artificial Intelligence](#)” (3:20–4:10) 11 October 2017.

Podcast, *The Machine Ethics Podcast*, [Joanna J Bryson](#) 5 March 2017.

**Featured back-page interview**, *Tages Anzeiger* (Wochenende Wissen), [Die Roboterversteherin](#), p. 60, 4 March 2017.

**Podcast**, [Artificial Intelligence expert Joanna Bryson talks Robot Technology](#), *Off the Rader* (host: Tom Rader), 17 January 2017.

Quoted, *The Dose* “[Chatbots Will Change Your Life But They Won’t Be Your Friend](#)” Dec. 2016.

Quoted extensively (and incomprehensibly), *Yle* (Finland’s Swedish newspaper), “[Robotarna kommer—hur ska vi hantera dem?](#)” 25 November 2016.

Quoted in *The Register* “[US vs UK: Who’s better prepared for AI?](#)” 18 October 2016.

Quoted extensively, *New Scientist* “[Basic common sense is key to building more intelligent machines](#)” 5 October 2016.

Quoted in *The Register*, “[Robot overlords? Pshaw! I ain’t afraid of no AI — researchers](#)” 16 September 2016.

**BBC World Service** programme *World Have Your Say*: “AI v Humans”. 30-minute live discussion with questions from social media, on the occasion of Google AlphaGo winning its first game against Lee Sedol. 9 March 2016.

Quoted in articles:

- Manju Manglani, “Artificial intelligence to create an industrial revolution for the legal sector”, *Managing Partner*, 9 October 2015.
- Agnese Smith, “Artificial Intelligence”, *CBA/ABC National*, Fall, 2015.

**BBC Newsnight**, appeared with Microsoft’s Chris Bishop for a special long report at the end of BBC AI week, 17 September 2015.

BBC newsbeat (social media) “Five questions we should ask ourselves before AI answers them for us”, interviewed by Felicity Morse, 16 September 2015.

“Special Report: Does Artificial Intelligence benefit all parts of our society?”, interview / report for the website of *The Women’s Forum*, 20 August 2015.

**Cathy Newman, Channel 4 News at 7 interview, [Will AI Take Over From Humans?](#)**, with second guest James Barrat, who was unfortunately flogging a book. I'd been told it was about lethal autonomous weapons, Barrat kept changing the subject, then Newman asked me whether AI was causing inequality, unexpectedly starting a major thread of my research, 20 January 2015.

**BBC World Service:** live interview on Stephen Hawking and AI as existential threat, 2 December 2014.

**BBC Newsnight**, appeared with Nick Bostrom to discuss the ethics of Google's Deep Mind, and AI more generally. 2 October 2014.

**BBC World Service *Business Daily*** prerecorded interview (with Nick Bostrom) 5 February 2014.

Quoted in Steve Ranger, "Robots of death, robots of love: The reality of android soldiers and why laws for robots are doomed to failure" *Tech Republic*, 20 December 2013.

**Sky News** feature "Do robots need an ethical code?", broadcast and on the web. Interviewed 25 October 2013, story was broadcast and available on line for about a week afterwards.

**CBC Radio** (Canada) interviewed in a two-hour radio documentary, "Mind and Machine," (Dan Falk, director), aired throughout September 2013, streamed on the Web October 2013.

Quoted extensively, *The Register* "[US expat casts ballot from Vienna, wonders if anyone got it](#)" 6 February 2008.

**BBC World Service, *Digital Planet*** prerecorded interview related to the Cambridge Robot Project, broadcast 22 May 2006.

### **Fabricated Press and Media Appearances**

Cited as believing the AI Act will change everything, which isn't implausible at least. [AI Act a spadki na giełdzie. Które firmy straciły najwięcej po wprowadzeniu europejskich przepisów?](#), 'by' Piotr Olszewski for *CHIP*, 18 May 2025.

Cited as having written something for *Nature* I haven't written, [Agentic Intelligence: Next Capital Revolution](#) 'by' Sharon Gal Or, *Times of Israel*, 8 May 2025.

Cited as holding the opposite view from my own on Asimov's laws, [Ci vuole una iniezione di immaginazione per la scienza](#), 'by' Fabio Sindici, *La Stampa*, 7 May 2025.

**Noul așa-zis „Scut pentru democrație” al UE, influențat de organizații finanțate de George Soros**, by the editorial team of the magazine, *ecoPolitics news*, claims that I lead an NGO Center for AI and Digital Humanism (CAIDP), that I was formerly a professor at Hertie School, and that I served as an expert on George Soros despite taking money from him. 27 February 2025.

**Yapay Zekanın Tanrısı Var mıdır?** (Does Artificial Intelligence Have a God?), by Büşra Kapan, in the Turkish paper *Yeni Çağ* claims I think AI can't know God because it's unconscious. 31 August 2024.

Mentioned (inaccurately) with Nick Bostrom [Shaping Humanity's Future Through Sentient AGI Memes. Ozeozes](#); *Times of Israel*, 21 February 2024.

### **Invited Participation: Non-Academic Conferences (Commercial, Governmental, Philanthropic)**

*The few of these that are paid are indicated; sadly most are not (aside from travel).*

Invited participant, [GLOBSEC Forum 2025](#).

- Invited speaker, open panel: [Under Siege Online: Confronting State-Sponsored Cyber Intrusions](#)
- Invited speaker, closed panels:
  - [Cognitive Security: Protecting Minds in the Age of AI and Influence](#), GYLF (the GLOBSEC YOUNG LEADERS FORUM.)
- Invited participant, closed panels:
  - [Semiconductors and Europe's Role in the AI Tech Stack](#)

- [Pan-European Cyber Resilience: Challenges and Opportunities](#)
- [Building Digital Resilience](#) (NATO Strategic Communications Centre of Excellence and the Swedish Psychological Defence Agency)

Prague, 12–14 June 2025.

“European Digital Sovereignty,” invited keynote, [The Tenth European AI Forum](#) (link includes video), Berlin, 6 December 2024.

On-stage interview by Eva Simone Lihotzky, “Verantwortungsvolle KI für die Digitalwirtschaft,” [Vom Diskutieren zum Verändern: Wie KI Wirtschaft und Gesellschaft spürbar verändert](#), hosted by The German Association for the Digital Economy (BVDW), Berlin, 13 November 2024.

Invited in-person participant turned into [a video prompt](#) for the panel “How can we use AI to empower ourselves while balancing the need for security without compromising our freedoms?” for the meeting [Human Security at 30: New Policy Frontiers in the Age of Artificial Intelligence](#) of the UN Development Programme’s (UNDP) Human Development Report Office (HDRO), ‘NYC’, 21 November 2024.

Two talks at [Ada Lovelace Festival: New Utopias](#), Ludwigsberg, 6–7 November, 2024.

- On programme: “Shaping the Digital Future: EU’s Role in Global AI Regulation” IRL: “AI Governance: Is the EU too Human-Centred? Democracy, Security, Innovation, and Flourishing” (90 minutes, talk with q&a).
- “From Policy to Practice: Implementing Ethical AI Regulation” (30 minutes discussion in informal space.)

Panellist, *The privacy paradox: How will AI impact our civil liberty, privacy and free will?* with Jeff Bullwinkel, Microsoft; Julia Reuss, Meta; Irina Orssich, EC; and Niall Firth, Technology Review, chair; [World Summit AI](#), ‘Amsterdam’ (hybrid due to plane failure), 9 October 2024.

“Hurling Towards Sustainability Education, Work, and the Arts,” paid keynote at [IT:U FOUNDING LAB Day](#), *Ars Electronica*, Linz, Austria, 4 September, 2024.

Invited participant, and contributed “flash talk” speaker ([Digital services as transnational utilities: Justice through equity](#)), [Sci Foo](#), Cambridge, UK, 26–28 July 2024.

[Governance in the Age of Intelligence: Navigating the Digital Era & EU Regulation](#) fireside chat with Ivana Bartoletti, right before Colin Jarvis, Chief Architect at OpenAI, at *TOA24* (‘Berlin’s Tech and Startup Event’, Pamela Pompas), 6 June 2024.

Invited (by Article19, with Daniel Leufer, Anna Oosterlinck and Sarah Chander, Mark Dempsey moderator) talk and panellist for the panel [Safeguarding AI Systems: Grounding Global Governance for AI in Human Rights Law](#), *Computers, Privacy and Data Protection (CPDP.ai) 17<sup>th</sup> International Conference: To govern or to be governed, that is the question*, Brussels 22 May 2024.

“AI Is Our Product: Moral, legal, and commercial implications” The 6th World Chatbots & Voice Summit, Berlin, 17 May 2024.

“Digital Governance and the Economics of Human Cooperation” Keynote Lecture, The Economy of Francesco School (an initiative of Pope Francis); Paolo Santori and Valentina Rotondi directors, online, 8 April 2024.

“No one should trust AI: how and why we govern production of intelligent artifacts,” talk, discussion, then Q&A, [International TCG Retail Summit](#), Berlin, 13 March 2024.

Invited panellist, for the panel “A Global Bill to End Digital Fake News, Fake Reviews, Slander, Hate Speech and Bots” with Lily Tsai, Connor Leahy, Gabor Polyak, Nicolas Bruckman, and Karim Amer, [THE WORLD FORUM on the Future of Democracy, Tech and Humankind](#) (Jaka Bizilj, founder) Berlin, 17–19 February 2024.

Panellist, with Alberto Bacchiega, Filomena Chirico, Brando Benifei, Amba Kak, Francesca Bria, Johnny Ryan, and Cristina Caffarra (organiser / chair), [The European Grand Digital Regulation Project: What is our Theory of Change?](#), in [Antitrust, Regulation and the Next World Order](#), Brussels, 31 January 2024.

Commencement Talk (for their first commencement), *XU Exponential University*, Potsdam, 25 November 2023.

Keynote speaker, *Hermes Dinner by the Academic Society for Management & Communication*, at Siemens Healthineers (paid), Erlangen 23 November 2023.

Panellist / speaker, with Anil Ananthaswamy among others, [Threat or Benefit? AI, the unconscious, and the reshaping of history](#), at the [Progress History Summit](#), Halle, 26 October 2023.

Invited expert participant (on AI, for the panel *Big Picture Framing: Policymakers as Architects of the Future*) [8<sup>th</sup> Annual Policymakers Dialogue | Architects of the Future: European Policymaking in Times of Uncertainty, Technological Disruption and Societal Adaptation](#), Helsinki, 6–8 October 2023.

“DevOps (Development & Operations) versus AGI (Artificial General Intelligence,)” **keynote**, *Digitalising the Legislative Cycle: The 19<sup>th</sup> European Forum of Official Gazettes*, hosted by and in the German Federal Ministry of Justice (Berlin), 28–29 September 2023.

“Generative Artificial Intelligence, the Future of Work, and Taxes,” **keynote**, [Munich International Tax Forum](#)(Deloitte, paid), Munich, 21–22 September 2023.

“Human Value, National Security, and AI Ethics”, **closing keynote**, [Bitkom Big-Data.AI Summit](#) Berlin, 20–21 September 2023.

“Artificial Intelligence: Responsibility and Liberalism”, invited talk at [Künstliche Intelligenz in Unternehmen](#), *Themis Foresight Future Lab*, Berlin, 20 September 2023.

Panellist, with Tina Klüwer, and Geraldine de Bastion (chair), “AI powered experiences: The potential and challenges of AI in everyday life”, [Leaders Summit Programme](#), Future Electronics Unlimited (IFA), Berlin 1–2 September 2023.

Invited **keynote**, [DevOps vs. AGI](#), *EuroPython*, Prague (and remote), 21 July 2023.

Invited participant / advisor (short talk) [Antikythera Salon, Berlin](#), organised by Benjamin Bratton, funded by [Bergguen Institute](#), Halle Am Berghain, 24 October 2023.

[No one should trust AI, The Rise of AI](#), Berlin, 10 May 2023.

[AI Is Our Product: Moral, legal, and commercial implications](#), **keynote**, [European ChatBot](#), Edinburgh, 15–16 March 2023.

Non-speaking delegate expert attendee, [GPAI Tokyo Summit 2021](#) (global partnership for AI) Paris, 21–22 November 2022.

Invited **keynote**, “Value Creation via AI, Data, and Governance.” Swiss Data Science Center (SDSC) Connect 2022, Zürich (ETH), 4 October 2022.

“Myths of AI Impacts”, invited talk, and subsequent panel with Julia Janssen, Leon Kester, and Pim Haselager, [Brave New World](#), Leiden, 12 September 2022.

Invited talk and panellist, “[AAAS/Science Roundtable: Can AI Save the World?](#)” with Tim Appenzeller, Orla Smith, Murray Campbell, Catherine Havasi, Ziad Obermeyer. Merck Curious Future Insights Conference, Darmstadt, DE, 12 July 2022.

Invited panellist, “Challenges of the European AI ecosystem”, [The Rise of AI](#), Berlin, 8 June 2022.

One of three lead speakers (with Ansetze Were and Eva Kaili) [GLOBAL CONVERSATION: The Ethics & Impacts of AI and Advanced Technology](#), organised by Global Alliance on Ethics and Impact of Artificial Intelligence (GAEIA), for the Responsible Digital Leadership project of the Center for Human Rights and International Justice at Stanford University. ‘Stanford’, 19 May 2022.

Non-speaking delegate expert attendee, [GPAI Paris Summit 2021](#) (global partnership for AI) Paris, 11–12 November 2021.

Invited panellist (with Piotr Korzeniowski Laura De Boel, Jonathan Greenglass, Rob van Eijk and Jan Wittek) “The Next Data Revolution” Mozilla Festival / MozFest (online), 7 March 2022.

I did several events at the [Institute of Art and Ideas](#) live, Hampstead Heath, [HowTheLightGetsIn Festival](#), which resulted in a number of videos (some pay-to-play, most free):

- [HowTheLightGetsIn Academy: AI: Bias, Trust, and Doing Good](#) two hour course, with two talks, Q&A and a quiz.

- [Human Justice and Machine Intelligence](#), kind of a strange name for an off-the-cuff interview, but it came out nicely (and is free).
- panellist: [Models, Metaphors, and Minds](#) with Kenneth Cukier, Peter Sjustedt, and H. Mark Salter (host).
- panellist: [Dreams, Delusions and Data](#) with Kenneth Cukier, Noortje Marres, and Luke Robert Mason (host).
- panellist: [Memos all the way down](#) with Massimo Pigliucci, Hilary Lawson and Güneş Taylor (host).

London, UK (really!) 18–19 September 2021.

Panellist and speaker “How can new technologies and innovative tools strengthen policy solutions?” with Aleksandr Tiulkanov (Council of Europe) Karine Perset (OECD) Marc Gruber (EPFL) Benjamin Minhao Chen (Hong Kong University) Fadi Makki (Nudge Lebanon & B4Development), and Katharina Hoene (chair). [2<sup>nd</sup> AI Policy Conference](#), ‘at’ ETH, Zürich, 15 September 2021.

Panellist, ‘Ethical AI: Why should we be concerned?’ with [The 20th IFIP Conference e-Business, e-Services, and e-Society I3E2021](#), with Vasiliki Koniakou, Bill Schmarzo, David Kreps, and John Oredo (chair), ‘Galway’, 2 September 2021.

Non-speaking delegate expert attendee, [Mid-year rendez-vous 2021: Concrete actions, applied activities](#) (global partnership for AI, GPAI) on line, 30 June 2021.

Invited speaker, *Cognition X (CogX)*, ‘London’, 14–16 June 2021.

- [We’re all developing now: AI and geopolitical inclusion](#) conversation with UNESCO’s Dorothy Gordon.
- [AI Governance: The role of the nation in a transnational world](#), panel with Sana Khareghani, Simon McDougall, Gavin Freeguard.

[Regulation of AI — Obstacle or Enabler of, Innovation](#) EmTech Europe, ‘Belfast’, NI/UK; 2 July 2021.

“AI & Data”, [Advisory Council on German Federal Administration and Civil Society](#), Hertie School, 10 June 2021.

[Development: competitive innovation in human centric AI](#), panelist with Madeleine de Cock Buning, Dominik Bösl, Mariya Gabriel, Andrea Renda, and Andrew Wyckoff, [Europe in a Changing World: The State of the Union](#) (tenth anniversary edition), European University Institute, ‘Florence’, IT. 6–8 May 2021.

“Is Safety an Option? The Limits of AI Regulation,” invited speaker and panellist, (with Adrian Weller, Tabitha Goldstaub, and Nathan Lepora) *Safe and ethical priorities for AI* session, [The Turing Presents: AI UK](#), ‘London’, 23 March 2021.

Non-speaking delegate expert attendee, [GPAI Montreal Summit 2020](#) (global partnership for AI first summit, hybrid) on line, 3–4 December 2020.

[Panel 5 – Getting Ready: Managing Business Risk and Complexity](#) with Ekkehard Ernst (ILO), Alberto Giovanni Busetto (Adecco Group) Luca Brunner (Cognitive Valley) Dimitrios Psarrakis (MEP), and Aileen Nielsen (moderator), [AI Policy Conference](#) hosted by ETH and RegHorizon ‘Zürich’, 17 November 2020.

[Intelligence by Design: Systems engineering for the coming era of AI regulation CODIAX: Deep Tech Fueling Innovation](#), Cluj-Napoca, Transylvania, Romania. 22 November 2019.

“The role of people in an age of intelligent machines”, invited talk, [New Scientist Live](#), London UK 13 October 2019.

Invited speaker, [Tallinn Digital Summit](#), Tallinn, Estonia, 16–17 September 2019.

- Expert discussion session: “AI and Ethics”
- TDS Open Lecture, at the Tallinn University of Technology: “AI: from margins to main-stream” (two other lecturers were Stephen Hsu and Nanjira Sambuli).
- Keynote Panel: “How to deliver value in the age of AI Panel” with other panellist Hans-Christian Boos and chair Luukas Ilves.
- Panel: AI in Democracy

- closed lunch discussion on AI Global Governance primarily with national delegates on digital policy, I was the sole academic.
- “Regulating AI to Be Regulateable,” [The SHIFT: Business Festival](#), Turku, Finland, 29–30 August 2019.
- Invited keynote speaker “Artificial and Human Intelligence”, plus instructor of a MasterClass on AI Ethics, [Остров \(Island\) 10-22](#) (for Russian university managers and faculty members). Also did [an interview](#) with Алексей Гусев. Moscow, 13–14 July 2019.
- Invited speaker, *Cognition X (CogX)*, London, 10–12 June 2019.
- [Governance and Accountability in an AI world](#) with fellow Google ATEAC member De Kai, chaired by Azeem Azhar.
  - [AI is Necessarily Irresponsible](#), keynote.
- “Maintaining Human Control of Artificial Intelligence,” [O’Reilly Artificial Intelligence Conference](#), New York, NY, 15–18 April 2019.
- “Artificial Intelligence and Human Accountability,” keynote, *Data Summit; Data Fest*, Edinburgh, Scotland 22–23 March 2019.
- [Artificial Intelligence and Human Accountability](#), keynote, *2019 Global Summit; Hello Tomorrow!*, Paris, France, 14–15 March 2019.
- “Is AI Changing Us?” [TEDxCERN](#), 20 November 2018.
- “Artificial Intelligence and a Politically Sustainable Economy,” keynote (Google Cloud AI stage), *Singapore FinTech Festival*, 13 November 2018.
- Contracted panellist: “Law and Order on the AI frontier,” with Aimee van Wynsberghe, and Rob Cox (moderator). [Natixis Summit: Shaping the New Geopolitical World Order](#), Le Palais Brongniart, Paris, 6–7 November 2018.
- “Artificial Intelligence: Who’s In Charge?” invited keynote [FutureNow](#), Bratislava, 24 October 2018.
- [Human Minds and Machine Intelligence: Who’s the Master?](#) Invited Keynote, *Minds Mastering Machines*, London UK 15–17 October 2018.
- Invited speaker, *AI World Summit*: Panel Discussion: “Realising the transformative potential of AI: role of governance,” with Kay Firth-Butterfield, Jonnie Penn, Rumman Chowdhury, and Chelsey Colbert(moderator); also Deep Dive Tech Talk: “AI for ethics: game technology as an intervention for public understanding of social investment.” Amsterdam, 10–11 October 2018.
- Invited speaker, *Cognition X (CogX)*, London, 11–12 June 2018.
- [Debate: Should Robots Resemble Humans](#) chair: Kate Devlin, panel: Joanna Bryson, Alan Winfield, David Hanson, Will Jackson.
  - [AI Ethics](#), keynote.
  - Invited panellist (main stage), [State of AI](#).
- Contracted speaker and panellist, “The UK’s AI Revolution”, *UBS European Conference 2017*, The Landmark Hotel, London, 14–15 November 2017.
- Invited speaker, *AI World Summit*, in conversation on “From biased AI to algorithmic equity” with Virginia Dignum and Christopher Fabian (main stage); “Three very different sources of bias in AI, and how to fix them,” talk in the *Deep Dive Tech Talks and Ethics in AI* stream. Also presented award to the Afghan girls’ robot team. Amsterdam, 11–12 October 2017.
- “The real project of AI ethics” **keynote**, *O’Reilly Strata Data Conference*, New York, NY, 28 September 2017. [Video](#) was called ‘[Fascinating](#)’ by [Garry Kasparov](#) and Tim O’Reilly.
- Chair of panel, “Can I Trust My AI Therapist?” *South by Southwest (SXSW)* (invited by [swissnex](#)), Austin, TX, 14 March, 2017.

## Lists and Individual Rankings

- Actually, not a bad list of people: [Most Important People to Understand the Landscape of Artificial Intelligence](#), by the 'Future Startup Team', 19 May 2025.
- Well-ranked in AI overall, and philosophy (!) in this weird AI-generated ranking, [Academic Influence.com](#), since January 2024.
- Listed as one of four women at the top, but not one of the ten with bios, [Le 10 donne simbolo dell'IA nel 2023](#), by Gabriella Rocco, *la Repubblica*, 1 January 2024.
- [Love AI? Here's the Top 10 People To Follow](#), by Sarah O'Neill, *LXA*, 25 January 2023.
- [Top 10 Talented Roboticists to Follow on Twitter to Stay Informed](#), by Analytics Insight, who don't seem to know robotics from AI. . . 16 December 2022.
- One of twenty "Academics and Researchers" in [Who's Who in AI? Influential Voices and Brands](#), *analytica*, September 2021.
- [Top 50 Women in Technology](#) Engati, 22 September 2021; and again, 20 January 2023.
- [30 Most Inspiring Women in AI](#), Engati, 10 August 2021.
- [The 100 Most Influential People In AI: 2021 Edition](#) AI Newsletter, 2021.
- "100 Brilliant Women of AI ethics" in 2019, and 2020, then moved to the [Hall of Fame](#) December 2020. At some point it got rebranded as [Women in AI Ethics™ — Hall of Fame](#), and is still maintained as of 2022.
- [MKAI's 15 Women in AI to follow: Summer 2020 Edition](#) 23 June 2020
- [Making Your Twitter Feed AI Friendly](#), Listed with only Kirk Borne, Andrew Ng, Yann LeCun, and Spiros Margaris; by Rishi Sidhu, *The Startup*, 16 January 2020.
- [Top 25 AI Influencers to Follow on Twitter by 2019](#), AI Time Journal, December 2019.
- [World's 100 most influential people in digital government](#). *apolitical*, October 2019.
- [10 AI influencers you should be following on Twitter](#). *Silicon Republic*, 19 February 2019.
- [15 Global Influencers in Artificial Intelligence and Machine Learning](#) Diksha Duta, *dataconomy*, 7 September 2018.
- [50 AI Twitter Influencers to Follow in 2018](#) *cognilytica*, 26 June 2018.
- I'm not sure who [IPFC](#) are (a French consultancy according to their website), but they seem to like me more persistently than almost anyone but Geoff Hinton:
- [50 AI Twitter Influencers to Follow in 2018](#) *cognilytica*, 9 December 2017.
  - [50 Contemporary Artificial Intelligence Leading Experts and Researchers](#), Pierre Pinna *IPFC Online*, 29 March, 2018.
  - [top 50 Digital Influencer in 20 June 2019](#), and again in [14 November 2020](#).
- [Hub Culture presents 100 leaders in Artificial Intelligence](#), 23 May 2018.
- [Top 20 AI experts you should follow on Twitter](#), Steven Max Patterson, *Network World* 24 May, 2017.
- Selected by (a reporter assisting) *IBM Watson*, "[AI Influencers 2017: Top 30 people in AI you should follow on Twitter](#)" 10 February 2017.