IEEE EAD First Edition Committees List

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Executive Committee Descriptions & Members

Raja Chatila – Executive Committee Chair, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems

Raja Chatila, IEEE Fellow, is Professor at Sorbonne Université, Paris, France, and Director of the Institute of Intelligent Systems and Robotics (ISIR). He is also Director of the Laboratory of Excellence "SMART" on human-machine interactions.

His work covers several aspects of autonomous and interactive Robotics, in robot navigation and SLAM, motion planning and control, cognitive and control architectures, human-robot interaction, and robot learning, and to applications in the areas of service, field and space robotics. He is author of over 150 international publications on these topics. He is past President of the IEEE Robotics and Automation Society (2014-2015), member of the French Commission on the Ethics of Research in Digital Sciences and Technologies (CERNA) and member of the European Commission High Level Expert Group on Artificial Intelligence. IEEE Pioneer Award in Robotics and Automation.

Kay Firth-Butterfield – Executive Committee Vice-Chair, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems

Kay Firth-Butterfield is a Barrister and part-time Judge who has worked as a mediator, arbitrator, business owner and professor in the United Kingdom. In the United States, she is the Project Head of AI and Machine Learning at the World Economic Forum, based in San Francisco. She is a Founding Advocate of AI-Global which is a non-profit dedicated to the exploring and creating laws and ethics around the development and use of AI and to the socially beneficial use of AI the community specifically in Healthcare and Education. She is the former Chief Officer of the Lucid.ai Ethics Advisory Panel. Kay is an Associate Fellow of the Leverhulme Centre for the Future of Intelligence at the University of Cambridge and a Senior Fellow and Distinguished Scholar at the Robert S. Strauss Center for International Security and Law, University of Texas, Austin. She is Vice-Chair, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems. Additionally, she is a Partner in the Cognitive Finance group and an adjunct Professor of Law.

Kay is a humanitarian with a strong sense of social justice and has advanced degrees in Law and International Relations. She advises governments, think tanks, businesses, inter-governmental bodies and non-profits about artificial intelligence, law and policy. Kay co-founded the Consortium for Law and Policy of Artificial Intelligence and Robotics at the University of Texas and taught its first course: Artificial Intelligence and Emerging Technologies: Law and Policy.

She thinks about and works on how AI and other technologies will impact society and business. Kay regularly speaks to international audiences addressing many aspects of these challenging changes. Twitter: @KayFButterfield
John C. Havens – Executive Director of The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems

John C. Havens is a regular contributor on issues of technology and wellbeing to Mashable, The Guardian, and Quartz and is author of Heartificial Intelligence: Embracing Our Humanity To Maximize Machines and Hacking Happiness: Why Your Personal Data Counts and How Tracking it Can Change the World.

John is also Executive Director of The Council on Extended Intelligence.

John was an EVP of a Top Ten PR Firm, a VP of a tech startup, and an independent consultant where he has worked with clients such as Gillette, P&G, HP, Wal-Mart, Ford, Allstate, Monster, Gallo Wines, and Merck. He is also the Founder of The Happathon Project, a non-profit utilizing emerging technology and positive psychology to increase human wellbeing.

John has spoken at TEDx, at SXSW Interactive (six times), and as a global keynote speaker for clients like Cisco, Gillette, IEEE, and NXP Semiconductors. John was also a professional actor on Broadway, TV and Film for fifteen years. Twitter: @johnchavens

Greg Adamson – IEEE Society on Social Implications of Technology President 2015-16

Dr. Greg Adamson is a past-president of the IEEE Society on Social Implications of Technology (SSIT) 2015-16. SSIT has addressed issues of ethics and emerging technologies throughout its 47-year history. Greg is Enterprise Fellow in Cyber Security and Associate Professor at the University of Melbourne School of Engineering, and a consultant in cyber security, blockchain, and professional ethics. He is Chair of the IEEE-SA Industry Connection program Digital Inclusion through Trust and Agency (DITA). He initiated the IEEE Conference Series on Norbert Wiener in the 21st Century, (Boston 2014, Melbourne 2016). Wiener’s 20th century work in both the technical and social impact of technology fields foreshadowed current discussions in ethics in the design of autonomous and intelligent systems. Greg was the invited keynote on Ethics at the World Engineering Conference and Convention in Kyoto November 2015. His primary research interest is barriers to the uptake of socially beneficial technology.
Karen Bartleson – IEEE President and CEO 2017
Karen Bartleson has over 35 years of experience in the semiconductor industry, specifically in electronic design automation. She served as the President and CEO of IEEE in 2017, and currently is a member of the Champions Board of the National Girls Collaborative Project, the Toy Association’s STEM/STEAM Strategic Committee, the Council on Extended Intelligence, and the Executive Committee of The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems. In 2016, Karen was also appointed to the U.S. Department of Commerce Digital Economy Board of Advisors. She is the Chair of the Editing Committee for Ethically Aligned Design, First Edition.

As a member of and leader within the IEEE Board of Directors, she chaired and led the development of the strategic plan for the IEEE Internet Initiative, whose charter is to raise IEEE’s influence and profile in the areas of Internet governance, cybersecurity, and cyber-privacy policy development. She was also a member of the IEEE Strategy Committee, overseeing the development of the role of IEEE in global public policy.

Karen has published numerous articles about standards and universities and has authored the book, The Ten Commandments for Effective Standards: Practical Insights for Creating Technical Standards (Synopsy Press, 2010). In 2003, she received the Marie R. Pistilli Women in Electronic Design Automation Achievement Award. She earned a B.S. in Engineering Science with a concentration in Electronic Engineering from California Polytechnic State University in 1980.

Virginia Dignum – Professor of Social and Ethical AI, Umeå University
Virginia Dignum is Full Professor at Umeå University, Sweden. She is also associated with the Faculty of Technology Policy and Management at the Delft University of Technology in the Netherlands. Her research focuses on value-sensitive design of intelligent systems and multi-agent organizations, in particular on the ethical and societal impact of AI. She is a Fellow of the European Artificial Intelligence Association (EURAI), a member of the European Commission High Level Expert Group on Artificial Intelligence, and of the Executive Committee of the IEEE Initiative on Ethics of Autonomous Systems. She is member of the scientific boards of the Delft Design for Values Institute, the AI4People - European Global Forum on AI, the Responsible Robotics Foundation, the SIDNfonds, and initiator of ALLAI-NL the Dutch AI Alliance. In 2006, she was awarded the prestigious Veni grant by the NWO (Dutch Organization for Scientific Research) for her work on agent-based organizational frameworks. She is a well-known speaker on the social and ethical impacts of Artificial Intelligence, and is member of the reviewing boards for all major journals and conferences in AI. She has also chaired many international conferences and workshops, including ECAI2016, the European Conference on AI. She has published more than 180 peer-reviewed papers and edited several books. From 2011 to 2017, she was vice-president of the Benelux AI Association (BNVKI).
Danit Gal – Chair of IEEE Standard P7009 on the Fail-Safe Design of Autonomous and Semi-Autonomous Systems

Danit Gal is Project Assistant Professor at the Cyber Civilizations Research Center at the Keio University Global Research Institute in Tokyo, Japan. She is interested in technology geopolitics and strategic planning to maximize shared social benefit. Danit is an Associate Fellow at the Leverhulme Centre for the Future of Intelligence at the University of Cambridge, and an Affiliate at the Center for Information Technology Policy at Princeton University, and the Berkman Klein Center for Internet and Society at Harvard University. Danit also serves as a board trustee at the Seed Token Project. Prior to joining Keio University, Danit was a Yenching Scholar at Peking University and International Strategic Advisor to the iCenter at Tsinghua University in Beijing, China. Among her current projects is an ongoing study of the uses and gratifications of AI under the Association of Pacific Rim Universities - Google research project 'AI for Everyone: Building Trust in and Benefiting from the Technology'.

Danit also chairs the IEEE standard P7009 on the Fail-Safe Design of Autonomous and Semi-Autonomous Systems working group.

Malavika Jayaram – Executive Director, The Digital Asia Hub

Malavika is the inaugural Executive Director of the Digital Asia Hub. Prior to her relocation to Hong Kong, she spent three years as a Fellow at the Berkman Klein Center for Internet and Society at Harvard University: she has been a Faculty Affiliate of the centre since 2017. A technology lawyer for over 15 years, she practised law at Allen & Overy, London, and was Vice President and Technology Counsel at Citigroup. She was featured in the International Who’s Who of Internet e-Commerce & Data Protection Lawyers, and voted one of India’s leading lawyers.

A graduate of the National Law School of India, Malavika has an LL.M. from Northwestern University, Chicago. She taught India’s first course on information technology and law in 1997, and has taught at Northwestern’s Pritzker School of Law as part of the Master of Science in Law program bridging STEM subjects and the law. She has been a Fellow with the Centre for Internet & Society, India, since 2009 where she helped start their privacy program. She was a Visiting Scholar at the Annenberg School for Communication, University of Pennsylvania, and has had fellowships at the University of Sydney and the Institute for Technology & Society, Rio de Janeiro.

Malavika is on the Advisory Boards of the Electronic Privacy Information Center (EPIC) and Mozilla’s Tech Policy Fellowship. She is an Associate Fellow with Chatham House (the Royal Institute of International Affairs), as part of its Asia-Pacific Programme. She is a member of the High-level Expert Advisory Group to the OECD project, “Going Digital: Making the Transformation Work for Growth and Well-being”. Malavika is also a member of the World Economic Forum Global Future Council on Human Rights and Technology for the 2018-2019 term.

Sven Koenig – Professor of Computer Science, University of Southern California, USA
Sven Koenig is a professor of computer science at the University of Southern California and was also a program director at the US National Science Foundation from 2010 to 2012. Most of his research centers around techniques for decision making that enable single situated agents (such as robots or decision-support systems) and teams of agents to act intelligently in their environments. Sven has published more than 200 papers on this topic in artificial intelligence and robotics.

Sven is a fellow of the Association for the Advancement of Artificial Intelligence (AAAI) and the American Association for the Advancement of Science (AAAS), a distinguished speaker of the Association for Computing Machinery (ACM), and the recipient of several research and teaching awards, including recently a best paper award at the International Conference on Automated Planning and Scheduling (ICAPS) in 2016 and a Computer Science and Engineering Undergraduate Teaching Award from the Institute of Electrical and Electronics Engineers (IEEE) in 2017. He is a chair of the ACM Special Interest Group on Artificial Intelligence (ACM SIGAI), an associate editor or editor of several artificial intelligence journals (such as ACS, AIJ, CACM, and JAAMAS), and was a conference or program co-chair of several artificial intelligence conferences (such as ICAPS, SoCS, and AAMAS) - including recently the AAAI Conference in 2015 and the Symposium on Educational Advances in Artificial Intelligence (EAAI) in 2016 and 2017.

Sven was recently part of the organizing committee of the AAAI Workshops on Artificial Intelligence and Ethics (and Society) in 2015 and 2016, helped to initiate the ACM SIGAI Student Essay Contest on the Responsible Use of Artificial Intelligence Technologies in 2016, moderated the EAAI Panel on Artificial Intelligence Ethics Education in 2016, co-authored an article in Artificial Intelligence Magazine in 2017 on Ethical Considerations in Artificial Intelligence Courses, and helped to found the AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES) in 2018.
Eileen M. Lach – IEEE General Counsel and Chief Compliance Officer, 2011 - 2018

Eileen joined IEEE in 2011 and served as its first General Counsel and Chief Compliance Officer until her retirement in April 2018. In her role as a senior executive at IEEE, Ms. Lach had been engaged in IEEE’s major initiative on Ethics and Artificial Intelligence, the Internet of Things and the protection of patent rights for technology innovators and implementers through the IEEE standards development process. In addition to being a Member of The IEEE Global Initiative on Ethics of Autonomous and Intelligence Systems, Ms. Lach is currently a member of the Board of Directors of IEEE’s for-profit subsidiary, IEEE GlobalSpec, Inc., and a member of the IEEE Ad Hoc Committee on Africa (AHCA) focused on capacity building on the African continent. In addition to her work in the technology and ethics arena, Ms. Lach has focused her philanthropic work on the protection of victims of international trafficking, theater and the arts, as a member of the Board of Governors of St. Thomas University Law School in Minneapolis, Minnesota, and as an arbitrator in the Civil Courts of the City of New York.

Ms. Lach is experienced in a wide variety of legal issues, strategic planning, risk assessment, and corporate responsibility in complex, domestic and international corporate environments. Her background includes a strong orientation and expertise in global acquisition and divestiture negotiations, corporate governance and integrity, and arbitration, gained in the pharma, biotech, consumer products, and not-for-profit sectors, with additional focus on corporate sustainability as it relates to philanthropy, environmental impact, and investment in emerging markets. Ms. Lach has worked in both the public and private sectors on significant international investments with broadly based experience in Europe, the Pacific Rim, Latin America and Africa. Prior to joining IEEE, Ms. Lach was employed by Wyeth/Pfizer from 1989 to 2009. She was the Vice President, Corporate Secretary and Associate General Counsel, and earlier served as its Associate General Counsel for International. Prior to that time, she was a partner with the national law firm, Drinker, Biddle and Reath. Ms. Lach began her career with a Wall Street law firm and for seven years simultaneously served on a pro bono basis as the General Counsel of Amnesty International in the United States.

Ms. Lach is admitted to practice law in New York and has also been a member of the Pennsylvania bar. She holds court admissions to the United States Supreme Court, the Southern and Eastern Districts of New York and Court of Appeals for the Federal Circuit.

Ms. Lach earned her B.A. degree in International Relations from the University of Minnesota (magna cum laude and Phi Beta Kappa). She earned a Juris Doctor degree from the New York University School of Law, and a Master of Public Affairs with a concentration in International Relations and Development Economics from Princeton University’s Woodrow Wilson School of Public and International Affairs.
Raj Madhavan – Founder & CEO, Humanitarian Robotics Technologies, LLC, Maryland, USA

Raj Madhavan is an internationally recognized expert in humanitarian robotics and automation technologies. His current research interests lie in the application and tailoring of technologies that are cost effective, reliable, efficient, and geared towards improving the quality of lives of people in underserved and underdeveloped communities around the globe with emphasis on ethical, legal, and societal considerations of emerging technologies. He received a Ph.D. in Field Robotics from the University of Sydney, and an ME (Research) in Systems Engineering from the Australian National University, respectively.

Dr. Madhavan is the Founder & CEO of Humanitarian Robotics Technologies, LLC, focusing on applied technology consulting, training, and research. He has held appointments with the Oak Ridge National Laboratory as an R&D staff member based at the National Institute of Standards and Technology, and as an assistant and associate research scientist, and as a member of the Maryland Robotics Center with the University of Maryland, College Park. Over the last 22 years, he has contributed to various topics in field robotics, humanitarian technologies, and systems and control theory. He has published over 200 papers in archival journals, conferences, and magazines and has co-edited two books and four journal special issues. He has served as an invited independent judge for robotics competitions, has given numerous invited presentations in research organizations in several countries, has served on editorial boards and program and organization committees of premier robotics, automation, and control conferences, and on several national and international panels and review boards. He is a senior member of IEEE, a 2008 Volunteer of the Year awardee of the IEEE Washington Section, was recognized for his services to RAS as VP of the Industrial Activities in 2014 & 2016, and is the 2016 recipient of the IEEE Robotics and Automation Society's Distinguished Service Award for his “distinguished service and contributions to RAS industrial and humanitarian activities”.

Richard Mallah – Director of Artificial Intelligence Projects Future of Life Institute

Richard is Director of AI Projects at NGO the Future of Life Institute, where he works to support the robust, safe, beneficent development of both short-term and long-term artificial intelligence via analysis, metaresearch, organization, research direction, and advocacy. Issues tackled range from AI-induced unemployment and legal issues around autonomy to meaningful control and deep value alignment. Mallah also heads research in AI at recruiting automation platform firm Avrio AI, Inc., leading R&D of technologies for knowledge representation, machine learning including deep learning, and computational linguistics, using AI to help get people jobs rather than destroying jobs.
He is an advisor to other nonprofits and companies where he advises on AI, knowledge management, and sustainability. He has over fifteen years’ experience in AI algorithms development, product team management, and CTO-level roles. An enterprise text analytics platform he created at prior firm Cambridge Semantics garnered Forrester’s highest rating for such a system. Richard holds a degree in intelligent systems and computer science from Columbia University.

**Hagit Messer Yaron – Professor of Electrical Engineering, Tel Aviv University and a member of COMEST, UNESCO committee for Ethics in Science and Technology**

Hagit Messer, IEEE Life Fellow, received the Ph.D. in Electrical Engineering from Tel Aviv University (TAU), ISRAEL, and after a postdoctoral fellowship at Yale University, she joined the faculty of Engineering at Tel Aviv University in 1986, where she is a Professor of Electrical Engineering and the The Kranzberg Chair in Signal Processing.

On 2000 - 2003 she has served as the Chief Scientist at the Ministry of Science, ISRAEL. After returning to TAU she was the head of the Porter school of environmental studies (2004-6), and the Vice President for Research and Development (2006-8). She has served as the President of the Open University in Israel (2008-2013). Since October 2013 to January 2016 she has been the Vice-Chair of the Council of Higher Education, Israel. On 2016 she has also become a co-founder of the start-up company ClimaCell.

Hagit Messer is an active researcher in the field of Statistical Signal Processing. She is also interested in various aspects of higher-education and science policy, including: ethics, science-society interplay, and commercialization of academic research. Prof. Messer-Yaron is committed to the advancement of women in science and technology.

**AJung Moon – Director, Open Roboethics Institute**

AJung Moon is Co-Founder, CEO, and Technology Analyst of Generation R Consulting Inc., a company that assists organizations in making informed design and policy decisions to innovate with advanced technologies without compromising the organization’s values. She is also currently serving as Senior Advisor for the UN Secretary-General’s High-level Panel on Digital Cooperation. She became a Vanier Scholar in 2013 and received her doctorate in Mechanical Engineering from the University of British Columbia with a specialization in the design of human-inspired interactive robot behaviors.

As a roboticist with experience in both roboethics and human-robot interaction, Dr. Moon has been heavily involved in national and international discussions on artificial intelligence and autonomous systems. She is a founder and Director of Open Roboethics Institute – a Canadian think tank specializing in roboethics issues – and serves on the Board of Advisor for Ada-AI, among others. She frequently serves as an expert panelist, speaker, and guest lecturer on roboethics.

**Monique Morrow – President, Co-Founder, Humanized Internet**
Monique has a track record of co-innovating with customers that has transcended the globe from North America, Europe and Asia. Monique’s current focus is on the intersection between research in economics and technology to portfolio execution (e.g. Circular and Exponential Economies) along with defining mechanisms and marketplace scenarios for cloud federation constructs to include security.

Monique is passionate about the humanitarian use of technology, in addition to exploring the use of AI/VR to create a people neutral system that is both experiential and ethical without losing the beauty of randomness in human behavior. She is focused on developing the use of blockchain to create identity as a service, applying humanistic and purposeful values in an organization, and creating modes of privacy that are understood by all members of our ecosystem. Monique delivered two TEDx talks, and will be delivering a third TEDx talk all related to identity, randomness and the rise of the human. She is a sought after global speaker. Monique holds several patents and is a published author. She is active in multiple industry advisory positions, most recently in the Venture Partner Sparklabs Accelerator for Cybersecurity and Blockchain, Wash D.C.: https://venturebeat.com/2018/09/19/sparklabs-launches-accelerator-in-d-c-for-cybersecurity-and-blockchain-startups/amp/

Monique was selected as one of the top Digital Shapers 2018 in Switzerland.

**Francesca Rossi – Full Professor of Computer Science University of Padova, Italy**

Francesca Rossi is a full professor of computer science at the University of Padova, Italy, currently on leave at the IBM Research Center at Yorktown Heights, NY. Her research interests include constraint reasoning, preferences, multi-agent systems, computational social choice, and artificial intelligence. She has been president of the international association for constraint programming (ACP) and of the international joint conference on AI (IJCAI). She has been program chair of several international conferences, among which CP 2003 and of IJCAI 2013. She is a Radcliffe fellow, as well as an AAAI and an ECCAI fellow.

She is in the editorial board of Constraints, Artificial Intelligence, AMAI, and KAIS. She is the associate editor in chief of JAIR. She has published more than 170 papers and one book, and she co-edited 13 volumes, among which the handbook of constraint programming. She is co-chairing the AAAI committee on AI and ethics and she is in the scientific advisory board of the Future of Life Institute and of Insight (Ireland). She has given interviews on various topics related to AI to several media and newspapers, such as the Wall Street Journal, CNBC Italy, Motherboard, Science, the Washington Post, Sydney Morning Herald, Euronews, New Scientist, La Repubblica, Corriere della Sera. She has delivered three TEDx talks on Artificial Intelligence.
Alan Winfield – Professor of Robot Ethics, University of the West of England, Bristol UK

Alan Winfield is Professor of Robot Ethics at the University of the West of England (UWE), Bristol, UK, Visiting Professor at the University of York and Associate Fellow of the Leverhulme Centre for the Future of Intelligence at the University of Cambridge. He received his PhD in Digital Communications from the University of Hull in 1984, then co-founded and led APD Communications Ltd until taking-up appointment at UWE, Bristol in 1992. Alan co-founded the Bristol Robotics Laboratory where his research is focussed on the engineering and science of cognitive robotics.

Alan is passionate about communicating research and ideas in science, engineering and technology; he led UK-wide public engagement project Walking with Robots, awarded the 2010 Royal Academy of Engineering Rooke medal for public promotion of engineering. Until recently he was director of UWE’s Science Communication Unit. Alan is frequently called upon by the press and media to comment on developments in AI and robotics; he was a guest on BBC national radio series The Life Scientific and more recently interviewed for BBC News HARDtalk.

Alan is an advocate for robot ethics; he is a member of the British Standards Institute technical committee that drafted BS 8611: Guide to the Ethical Design of Robots and Robotic Systems. He chairs IEEE Working Group P7001, drafting a new standard on transparency in Autonomous Systems, and sits on the WEF Global AI Council. Alan has published over 240 works, including Robotics: A Very Short Introduction (Oxford University Press, 2012); he lectures widely on robotics, presenting to both academic and public audiences, and blogs at http://alanwinfield.blogspot.com/
Content Committee Descriptions & Members
(As of 1 January 2019)

General Principles

- **Alan Winfield** (Founding Chair) – Professor, Bristol Robotics Laboratory, University of the West of England; Visiting Professor, University of York
- **Mark Halverson** (Co-Chair) – Founder and CEO at Precision Autonomy
- **Peet van Biljon** (Co-Chair) – Founder and CEO at BMNP Strategies LLC, advisor on strategy, innovation, and business transformation; Adjunct professor at Georgetown University; Business ethics author
- **Shahar Avin** – Research Associate, Centre for the Study of Existential Risk, University of Cambridge
- **Bijilash Babu** – Senior Manager, Ernst and Young, EY Global Delivery Services India LLP
- **R. R. Brooks** – Professor, Holcombe Department of Electrical and Computer Engineering, Clemson University
- **Nicolas Economou** – Chief Executive Officer, H5; Chair, Science, Law and Society Initiative at The Future Society Chair, Law Committee, Global Governance of AI Roundtable; Member, Council on Extended Intelligence (CXI)
- **Hugo Giordano** – Engineering Student at Texas A&M University
- **Alexei Grinbaum** – Researcher at CEA (French Alternative Energies and Atomic Energy Commission) and Member of the French Commission on the Ethics of Digital Sciences and Technologies CERNA
- **Jia He** – Independent Researcher, Graduate Delft University of Technology in Engineering and Public Policy, project member within United Nations, ICANN, and ITU Executive Director of Toutiao Research (Think Tank), Bytedance Inc.
- **Bruce Hedin** – Principal Scientist, H5
- **Cyrus Hodes** – Advisor AI Office, UAE Prime Minister’s Office, Co-founder and Senior Advisor, AI Initiatives@The Future Society; Member, AI Expert Group at the OECD, Member, Global Council on Extended Intelligence; Co-founder and Senior Advisor, The AI Initiative @ The Future Society
- **Nathan F. Hutchins** – Applied Assistant Professor, Department of Electrical and Computer Engineering, The University of Tulsa
- **Narayana GPL. Mandaleeka (“MGPL”)** – Vice President & Chief Scientist, Head, Business Systems & Cybernetics Centre, Tata Consultancy Services Ltd.
- **Vidushi Marda** – Programme Officer, ARTICLE 19
- **George T. Matthew** – Chief Medical Officer, North America, DXC Technology
- **Nicolas Miailhe** – Co-Founder & President, The Future Society; Member, AI Expert Group at the OECD; Member, Global Council on Extended Intelligence; Senior Visiting Research Fellow, Program on Science Technology and Society
at Harvard Kennedy School. Lecturer, Paris School of International Affairs (Sciences Po); Visiting Professor, IE School of Global and Public Affairs

- **Rupak Rathore** – Principal Consultant at ATCS for Telematics, Connected Car and Internet of Things; Advisor on strategy, innovation and transformation journey management; Senior Member, IEEE

- **Peter Teneriello** – Investment Analyst, Private Equity and Venture Capital, TMRS

- **Niels ten Oever** – Head of Digital, Article 19, Co-chair Research Group on Human Rights Protocol Considerations in the Internet Research Taskforce (IRTF)

- **Alan R. Wagner** – Assistant Professor, Department of Aerospace Engineering, Research Associate, The Rock Ethics Institute, The Pennsylvania State University.
Classical Ethics in A/IS

- **Jared Bielby** (Chair) – President, Netizen Consulting Ltd; Chair, International Center for Information Ethics; editor, Information Cultures in the Digital Age
- **Soraj Hongladarom** (Co-chair) – President at The Philosophy and Religion Society of Thailand
- **Miguel Á. Pérez Álvarez** – Professor of Technology in Education, Colegio de Pedagogía, Facultad de Filosofía y Letras, Universidad Nacional Autónoma de México
- **Oliver Bendel** – Professor of Information Systems, Information Ethics and Machine Ethics, University of Applied Sciences and Arts Northwestern Switzerland FHNW
- **Dr. John T. F. Burgess** – Assistant Professor / Coordinator for Distance Education, School of Library and Information Studies, The University of Alabama
- **Rafael Capurro** – Founder, International Center for Information Ethics
- **Corinne Cath-Speth** – PhD student at Oxford Internet Institute, The University of Oxford, Doctoral student at the Alan Turing Institute, Digital Consultant at ARTICLE 19
- **Dr. Paola Di Maio** – Center for Technology Ethics, ISTCS.org UK and NCKU Taiwan
- **Robert Donaldson** – Independent Computer Scientist, BMRILLC, Hershey, PA
- **Rachel Fischer** – Research Officer: African Centre of Excellence for Information Ethics, Information Science Department, University of Pretoria, South Africa.
- **Dr. D. Michael Franklin** – Assistant Professor, Kennesaw State University, Marietta Campus, Marietta, GA
- **Wolfgang Hofkirchner** – Associate Professor, Institute for Design and Technology Assessment, Vienna University of Technology
- **Dr. Tae Wan Kim** – Associate Professor of Business Ethics, Tepper School of Business Carnegie Mellon University
- **Kai Kimppa** – University Research Fellow, Information Systems, Turku School of Economics, University of Turku
- **Sara R. Mattingly-Jordan** – Assistant Professor Center for Public Administration & Policy Virginia Tech
- **Dr Neil McBride** – Reader in IT Management, School of Computer Science and Informatics, Centre for Computing and Social Responsibility, De Montfort University
- **Bruno Macedo Nathansohn** – Perspectivas Filosóficas em Informação (Perfil_i); Brazilian Institute of Information in Science and Technology (IBICT)
- **Marie-Therese Png** – PhD Student, Oxford Internet Institute, PhD Intern, DeepMind Ethics & Society
- **Derek Poitras** – Independent Consultant, Object Oriented Software Development
- **Samuel T. Segun** – PhD Candidate, Department of Philosophy, University of Johannesburg. Fellow, Philosophy Node of the Centre for Artificial Intelligence Research (CAIR) at the University of Pretoria and Research fellow at the Conversational School of Philosophy (CSP)
- **Dr. Ozlem Ulgen** – Reader in International Law and Ethics, School of Law, Birmingham City University
- **Kristene Unsworth** – Assistant Professor, The College of Computing & Informatics, Drexel University
- **Dr. Xiaowei Wang** – Associate professor of Philosophy, Renmin University of China
- **Dr Sara Wilford** – Senior Lecturer, Research Fellow, School of Computer Science and Informatics, Centre for Computing and Social Responsibility, De Montfort University
- **Pak-Hang Wong** – Research Associate, Department of Informatics, University of Hamburg
- **Bendert Zevenbergen** – Oxford Internet Institute, University of Oxford & Center for Information Technology Policy, Princeton University
Well-being

- **John C. Havens** (Co-Chair) – Executive Director, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems; Executive Director, The Council on Extended Intelligence; Author, *Heartificial Intelligence: Embracing Our Humanity to Maximize Machines*
- **Laura Musikanski** (Co-Chair) – Executive Director at The Happiness Alliance - home of The Happiness Initiative & Gross National Happiness Index
- **Liz Alexander** – PhD Futurist
- **Anna Alexandrova** – Senior Lecturer in Philosophy of Science at Cambridge University and Fellow of Kings College
- **Christina Berkley** – Executive Coach to leaders in exponential technologies, cutting-edge science, and aerospace
- **Catalina Butnaru** – UK AI Ambassador for global community City.AI, and Founder of HAI, the first methodology for applications of AI in cognitive businesses
- **Celina Beatriz** – Project Director at the Institute for Technology & Society of Rio de Janeiro (ITS Rio)
- **Peet van Biljon** – Founder and CEO at BMNP Strategies LLC, advisor on strategy, innovation, and business transformation; Adjunct faculty at Georgetown University; Business ethics author
- **Amy Blankson** – Author of *The Future of Happiness* and Founder of TechWell, a research and consulting firm that aims to help organizations to create more positive digital cultures
- **Marc Böhlen** – Professor, University at Buffalo, Emerging Practices in Computational Media. [www.realtechsupport.org](http://www.realtechsupport.org)
- **Rafael A. Calvo** – Professor and ARC Future Fellow at The University of Sydney. Co-author of *Positive Computing: Technology for Well-Being and Human Potential*
- **Rumman Chowdhury** – PhD Senior Principal, Artificial Intelligence, and Strategic Growth Initiative Responsible AI Lead, Accenture
- **Dr. Aymee Coget** – CEO and Founder of Happiness For HumanKind
- **Danny W. Devriendt** – Managing director of Mediabrands Dynamic (IPG) in Brussels, and the CEO of the Eye of Horus, a global think-tank for communication-technology related topics
- **Eimear Farrell** – Eimear Farrell, independent expert/consultant on technology and human rights (formerly at OHCHR)
- **Danit Gal** – Project Assistant Professor, Keio University; Chair, IEEE Standard P7009 on the Fail-Safe Design of Autonomous and Semi-Autonomous Systems
- **Marek Havrda** – PhD Strategy Advisor, GoodAI
- **Andra Keay** – Managing Director of Silicon Valley Robotics, cofounder of Robohub
- **Dr. Peggy Kern** – Senior Lecturer, Centre for Positive Psychology at the University of Melbourne's Graduate School of Education
• **Michael Lennon** – Senior Fellow, Center for Excellence in Public Leadership, George Washington University; Co-Founder, Govpreneur.org; Principal, CAIPP.org (Consortium for Action Intelligence and Positive Performance); Member, *Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems* Committee

• **Alan Mackworth** – Professor of Computer Science, University of British Columbia; Former President, AAAI; Co-author of “Artificial Intelligence: Foundations of Computational Agents”

• **Richard Mallah** – Director of AI Project, Future of Life Institute

• **Fabrice Murtin** – Senior Economist, OECD Statistics and Data Directorate

• **Gwen Ottinger** – Associate Professor, Center for Science, Technology, and Society and Department of Politics, Drexel University; Director, *Fair Tech Collective*

• **Eleonore Pauwels** – Research Fellow on AI and Emerging Cybertechnologies, United Nations University (NY) and Director of the AI Lab, Woodrow Wilson International Center for Scholars (DC)

• **Venerable Tenzin Priyadarshi** – MIT Media Lab, Director, Ethics Initiative

• **Gideon Rosenblatt** – Writer, focused on work and the human experience in an era of machine intelligence, at *The Vital Edge*

• **Daniel Schiff** – PhD Student, Georgia Institute of Technology; Chair, Sub-Group for Autonomous and Intelligent Systems Implementation, IEEE P7010: *Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems*

• **Madalena Sula** – Undergraduate student of Electrical and Computer Engineering, University of Thessaly, Greece, x-PR Manager of IEEE Student Branch of University of Thessaly, Data Scientist & Business Analyst in a multinational company

• **Vincent Siegerink** – Analyst, OECD Statistics and Data Directorate

• **Andy Townsend** – Emerging and Disruptive Technology, PwC UK

• **Andre Uhl** – Research Associate, Director’s Office, MIT Media Lab

• **Ramón Villasante** – Founder of *PositiveSocialImpact*. Software designer, engineer, CTO & CPO in EdTech for sustainable development, social impact and innovation

• **Sarah Villeneuve** – Policy Analyst; Member, P7010 *Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems*
Affective Computing

- **Ronald C. Arkin** (Founding Co-Chair) – Regents' Professor & Director of the Mobile Robot Laboratory; College of Computing, Georgia Institute of Technology
- **Joanna J. Bryson** (Co-Chair) – Reader (Associate Professor), University of Bath, Intelligent Systems Research Group, Department of Computer Science
- **John P. Sullins** (Co-Chair) – Professor of Philosophy, Chair of the Center for Ethics Law and Society (CELS), Sonoma State University
- **Genevieve Bell** – Intel Senior Fellow Vice President, Corporate Strategy Office Corporate Sensing and Insights
- **Jason Borenstein** – Director of Graduate Research Ethics Programs, School of Public Policy and Office of Graduate Studies, Georgia Institute of Technology
- **Cynthia Breazeal** – Associate Professor of Media Arts and Sciences, MIT Media Lab; Founder & Chief Scientist of Jibo, Inc.
- **Joost Broekens** – Assistant Professor Affective Computing, Interactive Intelligence group; Department of Intelligent Systems, Delft University of Technology
- **Rafael Calvo** – Professor & ARC Future Fellow, School of Electrical and Information Engineering, The University of Sydney
- **Laurence Devillers** – Professor of Computer Sciences, University Paris Sorbonne, LIMSI-CNRS ‘Affective and social dimensions in spoken interactions’ - member of the French Commission on the Ethics of Research in Digital Sciences and Technologies (CERNA)
- **Jonathan Gratch** – Research Professor of Computer Science and Psychology, Director for Virtual Human Research, USC Institute for Creative Technologie
- **Mark Halverson** – Founder and CEO at Human Ecology Holdings and Precision Autonomy
- **John C. Havens** – Executive Director, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems; Executive Director, The Council on Extended Intelligence; Author, *Heartificial Intelligence: Embracing Our Humanity to Maximize Machines*
- **Noreen Herzfeld** – Reuter Professor of Science and Religion, St. John’s University
- **Chihyung Jeon** – Assistant Professor, Graduate School of Science and Technology Policy, Korea Advanced Institute of Science and Technology (KAIST)
- **Preeti Mohan** – Software Engineer at Microsoft and Computational Linguistics Master’s Student at the University of Washington
- **Bjoern Niehaves** – Professor, Chair of Information Systems, University of Siegen
- **Rosalind Picard** – Rosalind Picard, (Sc.D, FIEEE) Professor, MIT Media Laboratory, Director of Affective Computing Research; Faculty Chair, MIT
Mind+Hand+Heart; Co-founder & Chief Scientist, Empatica Inc.; Co-founder, Affectiva Inc.

- **Edson Prestes** – Professor, Institute of Informatics, Federal University of Rio Grande do Sul (UFRGS), Brazil; Head, Phi Robotics Research Group, UFRGS; CNPq Fellow
- **Matthias Scheutz** – Professor, Bernard M. Gordon Senior Faculty Fellow, Tufts University School of Engineering
- **Cherry Tom** – Emerging Technologies Intelligence Manager, IEEE Standards Association
Personal Data and Individual Agency

- **Katryna Dow** (Co-Chair) – CEO & Founder at Meeco
- **John C. Havens** (Co-Chair) – Executive Director, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems; Executive Director, The Council on Extended Intelligence; Author, *Heartificial Intelligence: Embracing Our Humanity to Maximize Machines and Hacking Happiness: Why Your Personal Data Counts and Why Tracking It Can Change the World*
- **Mads Schaarup Andersen** – Senior Usable Security Expert in the Alexandra Institute's Security Lab
- **Ajay Bawa** – Technology Innovation Lead, Avanade Inc.
- **Ariel H. Brio** – Privacy and Data Counsel at Sony Interactive Entertainment
- **Walter Burrough** – Co-Founder, Augmented Choice; PhD Candidate (Computer Science) – Serious Games Institute
- **Danny W. Devriendt** – Managing director of Mediabrands Dynamic (IPG) in Brussels, and the CEO of the Eye of Horus, a global think-tank for communication-technology related topics
- **Dr. D. Michael Franklin** – Assistant Professor, Kennesaw State University, Marietta Campus, Marietta, GA
- **Jean-Gabriel Ganascia** – Professor, University Pierre et Marie Curie; LIP6 Laboratory ACASA Group Leader
- **Bryant Joseph Gilot, MD CM DPhil MSc** – Center for Personalised Medicine, University of Tuebingen Medical Center, Germany & Chief Medical Officer, Blockchain Health Co., San Francisco
- **David Goldstein** – Seton Hall University
- **Adrian Gropper, M.D.** – CTO, Patient Privacy Rights Foundation; HIE of One Project
- **Marsali S. Hancock** – Chair, IEEE Standards for Child and Student Data governance, CEO and Co-Foundation EP3 Foundation.F
- **Gry Hasselbalch** – Founder DataEthics, Author, *Data Ethics - The New Competitive Advantage*
- **Yanqing Hong** – Graduate, University of Utrecht Researcher at Tsinghua University
- **Professor Meg Leta Jones** – Assistant Professor in the Communication, Culture & Technology program at Georgetown University
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- **Brenda Leong** – Senior Counsel, Director of Operations, The Future of Privacy Forum
- **Emma Lindley** – Founder, Innovate Identity
- **Ewa Luger** – Chancellor’s Fellow at the University of Edinburgh, within the Design Informatics Group
- **Sean Martin McDonald** – CEO of FrontlineSMS, Fellow at Stanford’s Digital Civil Society Lab, Principal at Digital Public
- **Hiroshi Nakagawa** – Professor, The University of Tokyo, and AI in Society Research Group Director at RIKEN Center for Advanced Intelligence Project (AIP)
• **Sofia C. Olhede** – Professor of Statistics and an Honorary Professor of Computer Science at University College London, London, U.K; Member of the Programme Committee of the International Centre for Mathematical Sciences.

• **Ugo Pagallo** – University of Turin Law School; Center for Transnational Legal Studies, London; NEXA Center for Internet & Society, Politecnico of Turin

• **Dr. Juuso Parkkinen** – Senior Data Scientist, Nightingale Health; Programme Team Member, MyData 2017 conference

• **Eleonore Pauwels** – Research Fellow on AI and Emerging Cybertechnologies, United Nations University (NY) and Director of the AI Lab, Woodrow Wilson International Center for Scholars (DC)

• **Dr. Deborah C. Peel** – Founder, Patient Privacy Rights & Creator, the International Summits on the Future of Health Privacy

• **Walter Pienciak** – Principal Architect, Advanced Cognitive Architectures, Ltd.

• **Professor Serena Quattrocolo** – University of Turin Law School

• **Carolyn Robson** – Group Data Privacy Manager at Etihad Aviation Group

• **Gilad Rosner** – Internet of Things Privacy Forum; Horizon Digital Economy Research Institute, UK; UC Berkeley Information School

• **Prof. Dr.-Ing. Ahmad-Reza Sadeghi** – Director System Security Lab, Technische Universität Darmstadt / Director Intel Collaborative Research Institute for Secure Computing

• **Rose Shuman** – Partner at BrightFront Group & Founder, Question Box

• **Dr. Zoltán Szlávik** – Lead/Researcher, IBM Center for Advanced Studies Benelux

• **Udbhav Tiwari** – Centre for Internet and Society, India
Methods to Guide Ethical Research and Design

- **Corinne Cath-Speth** (Co-Chair) – PhD student at Oxford Internet Institute, The University of Oxford, Doctoral student at the Alan Turing Institute, Digital Consultant at ARTICLE 19
- **Raja Chatila** (Co-Chair) – CNRS-Sorbonne Institute of Intelligent Systems and Robotics, Paris, France; Member of the French Commission on the Ethics of Digital Sciences and Technologies CERNA; Past President of IEEE Robotics and Automation Society
- **Thomas Arnold** – Research Associate at Tufts University Human-Robot Interaction Laboratory
- **Jared Bielby** – President, Netizen Consulting Ltd; Chair, International Center for Information Ethics; editor, *Information Cultures in the Digital Age*
- **Reid Blackman, PhD** – Founder & CEO Virtue Consultants, Assistant Professor of Philosophy Colgate University
- **Tom Guarriello, PhD** – Founding Faculty member in the Master’s in Branding program at New York City’s School of Visual Arts, Host of RoboPsyc Podcast and author of RoboPsyc Newsletter
- **John C. Havens** – Executive Director, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems; Executive Director, The Council on Extended Intelligence; Author, *Heartificial Intelligence: Embracing Our Humanity to Maximize Machines (Founding Committee Co-Chair)*
- **Sara Jordan** – Assistant Professor of Public Administration in the Center for Public Administration & Policy at Virginia Tech
- **Jason Millar** – Professor, robot ethics at Carleton University
- **Sarah Spiekermann** – Chair of the Institute for Information Systems & Society at Vienna University of Economics and Business; Author of the textbook “Ethical IT-Innovation”, the popular book “Digitale Ethik - Ein Wertesystem für das 21. Jahrhundert” and Blogger on “The Ethical Machine”
- **Shannon Vallor** – William J. Rewak Professor in the Department of Philosophy at Santa Clara University in Silicon Valley and Executive Board member of the Foundation for Responsible Robotics
- **Klein, Wilhelm E. J., PhD** – Senior Research Associate & Lecturer in Technology Ethics, City University of Hong Kong
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- **Elizabeth D. Gibbons** (Chair) – Senior Fellow and Director of the Child Protection Certificate Program, FXB Center for Health and Human Rights, Harvard T.H. Chan School of Public Health
- **Kay Firth-Butterfield** (Founding Co-Chair) – Project Head, AI and Machine Learning at the World Economic Forum. Founding Advocate of AI-Global; Senior Fellow and Distinguished Scholar, Robert S. Strauss Center for International Security and Law, University of Texas, Austin; Co-Founder, Consortium for Law and Ethics of Artificial Intelligence and Robotics, University of Texas, Austin; Partner, Cognitive Finance Group, London, U.K.
- **Raj Madhavan** (Founding Co-Chair) – Founder & CEO of Humanitarian Robotics Technologies, LLC, Maryland, U.S.A.
- **Ronald C. Arkin** – Regents' Professor & Director of the Mobile Robot Laboratory; Associate Dean for Research & Space Planning, College of Computing, Georgia Institute of Technology
- **Joanna J. Bryson** – Reader (Associate Professor), University of Bath, Intelligent Systems Research Group, Department of Computer Science
- **Renaud Champion** – Director of Emerging Intelligences, emlyon business school; Founder of Robolution Capital & CEO of PRIMNEXT
- **Chandramauli Chaudhuri** – Senior Data Scientist; Fractal Analytics
- **Rozita Dara** – Assistant Professor, Principal Investigator of Data Management and Data Governance program, School of Computer Science, University of Guelph, Canada
- **Scott L. David** – Director of Policy at University of Washington - Center for Data Management and Privacy Governance LabInformation Assurance and Cybersecurity
- **Jia He** – Executive Director of Toutiao Research (Think Tank), Bytedance Inc.
- **William Hoffman** – Associate director and head of Data-Driven Development, The World Economic Forum
- **Michael Lennon** – Senior Fellow, Center for Excellence in Public Leadership, George Washington University; Co-Founder, Govpreneur.org; Principal, CAIPP.org (Consortium for Action Intelligence and Positive Performance); Member, Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems Committee
- **Miguel Luengo-Oroz** – Chief Data Scientist, United Nations Global Pulse.
- **Angeles Manjarrés** – Professor of the Department of Artificial Intelligence of the Spanish National Distance-Learning University
- **Nicolas Miailhe** – Co-Founder & President, The Future Society; Member, AI Expert Group at the OECD; Member, Global Council on Extended Intelligence; Senior Visiting Research Fellow, Program on Science Technology and Society at Harvard Kennedy School. Lecturer, Paris School of International Affairs (Sciences Po). Visiting Professor, IE School of Global and Public Affairs
- **Roya Pakzad** – Research Associate and Project Leader in Technology and Human Rights, Global Digital Policy Incubator (GDPI), Stanford University
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• **Simon Pickin** – Professor, Dpto. de Sistemas Informáticos y Computación, Facultad de Informática, Universidad Complutense de Madrid, Spain

• **Rose Shuman** – Partner at BrightFront Group & Founder, Question Box

• **Hruy Tsegaye** – One of the founders of iCog Labs; a pioneer company in East Africa to work on Research and Development of Artificial General Intelligence, Ethiopia
Embedding Values into Autonomous Intelligent Systems

- **AJung Moon** (Founding Chair) – Director of Open Roboethics Institute
- **Bertram F. Malle** (Co-Chair) – Professor, Department of Cognitive, Linguistic, and Psychological Sciences, Co-Director of the Humanity-Centered Robotics Initiative, Brown University
- **Francesca Rossi** (Co-Chair) – Full Professor, computer science at the University of Padova, Italy, currently at the IBM Research Center at Yorktown Heights, NY
- **Stefano Albrecht** – Postdoctoral Fellow in the Department of Computer Science at The University of Texas at Austin
- **Bijilash Babu** – Senior Manager, Ernst and Young, EY Global Delivery Services India LLP
- **Jan Carlo Barca** – Senior Lecturer in Software Engineering and Internet of Things (IoT), School of Info Technology, Deakin University, Australia
- **Catherine Berger** – IEEE Standards Senior Program Manager, IEEE
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- **Richard S. Bowyer** – Adjunct Senior Lecturer and Research Fellow, College of Science and Engineering, Centre for Maritime Engineering, Control and Imaging (cmeci), Flinders University, South Australia
- **Stephen Cave** – Executive Director of the Leverhulme Centre for the Future of Intelligence, University of Cambridge
- **Raja Chatila** – CNRS-Sorbonne Institute of Intelligent Systems and Robotics, Paris, France; Member of the French Commission on the Ethics of Digital Sciences and Technologies CERNA; Past President of IEEE Robotics and Automation Society
- **Mark Coeckelbergh** – Professor, Philosophy of Media and Technology, the University of Vienna
- **Louise Dennis** – Lecturer, Autonomy and Verification Laboratory, University of Liverpool
- **Laurence Devillers** – Professor of Computer Sciences, University Paris Sorbonne, LIMSI-CNRS 'Affective and social dimensions in spoken interactions'; member of the French Commission on the Ethics of Research in Digital Sciences and Technologies (CERNA)
- **Virginia Dignum** – Associate Professor, Faculty of Technology Policy and Management, TU Delft
- **Ebru Dogan** – Research Engineer, VEDECOM
- **Takashi Egawa** – Cloud Infrastructure Laboratory, NEC Corporation, Tokyo
- **Vanessa Evers** – Professor, Human-Machine Interaction, and Science Director, DesignLab, University of Twente
- **Michael Fisher** – Professor of Computer Science, University of Liverpool, and Director of the UK Network on the Verification and Validation of Autonomous Systems, vavas.org
- **Ken Fleischmann** – Associate Professor in the School of Information at The University of Texas at Austin
- Edith Pulido Herrera – Bioengineering group, Antonio Nariño University, Bogotá, Colombia
- Ryan Integlia – assistant professor, Electrical and Computer Engineering, Florida Polytechnic University; Co-Founder of the em[POWER] Energy Group
- Catholijn Jonker – Full professor of Interactive Intelligence at the Faculty of Electrical Engineering, Mathematics and Computer Science of the Delft University of Technology. Part-time full professor at Leiden Institute of Advanced Computer Science of the Leiden University
- Sara Jordan – Assistant Professor of Public Administration in the Center for Public Administration & Policy at Virginia Tech
- Jong-Wook Kim – Professor, AI.Robotics Lab, Department of Electronic Engineering, Dong-A University, Busan, Korea
- Sven Koenig – Professor, Computer Science Department, University of Southern California
- Brenda Leong – Senior Counsel, Director of Operations, The Future of Privacy Forum
- Alan Mackworth – Professor of Computer Science, University of British Columbia; Former President, AAAI; Co-author of “Artificial Intelligence: Foundations of Computational Agents”.
- Pablo Noriega – Scientist, Artificial Intelligence Research Institute of the Spanish National Research Council (IIIA-CSIC ), Barcelona.
- Rajendran Parthiban – Professor, School of Engineering, Monash University, Bandar Sunway, Malaysia
- Heather M. Patterson – Senior Research Scientist, Anticipatory Computing Lab, Intel Corp.
- Edson Prestes – Professor, Institute of Informatics, Federal University of Rio Grande do Sul (UFRGS), Brazil; Head, Phi Robotics Research Group, UFRGS; CNPq Fellow.
- Laurel Riek – Associate Professor, Computer Science and Engineering, University of California San Diego
- Leanne Seeto – Co-Founder and Strategy and Operations Precision Autonomy
- John P. Sullins – Professor of Philosophy, Chair of the Center for Ethics Law and Society (CELS), Sonoma State University
- Jaan Tallinn – Founding engineer of Skype and Kazaa; co-founder of the Future of Life Institute
- Mike Van der Loos – Associate Prof., Dept. of Mechanical Engineering, Director of Robotics for Rehabilitation, Exercise and Assessment in Collaborative Healthcare (RREACH) Lab, and Associate Director of CARIS Lab, University of British Columbia
- Wendell Wallach – Consultant, ethicist, and scholar, Yale University's Interdisciplinary Center for Bioethics
• **Nell Watson** – CFBCS FICS FIAP FIKE FRSA FRSS FLS Co-Founder and Chairman, EthicsNet, AI & Robotics Faculty Singularity University, Foresight Machine Ethics Fellow

• **Karolina Zawieska** – Postdoctoral Research Fellow in Ethics and Cultural Learning of Robotics at DeMontfort University, UK and Researcher at Industrial Research Institute for Automation and Measurements PIAP, Poland
Policy

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- **Dr. Peter S. Brooks** (Co-Chair) – Institute for Defense Analyses
- **Mina Hanna** (Co-Chair) – Chair IEEE-USA Artificial Intelligence and Autonomous Systems Policy Committee, Vice Chair IEEE-USA Research and Development Policy Committee, Member of the Editorial Board of IEEE Computer Magazine
- **Chloe Autio** – Government & Policy Group, Intel Corporation
- **Stan Byers** – Frontier Markets Specialist
- **Corinne Cath-Speth** – PhD student at Oxford Internet Institute, The University of Oxford, Doctoral student at the Alan Turing Institute, Digital Consultant at ARTICLE 19
- **Michelle Finneran Dennedy** – Vice President, Chief Privacy Officer, Cisco; Author, The Privacy Engineer’s Manifesto: Getting from Policy to Code to QA to Value
- **Eileen Donahoe** – Executive Director of Stanford Global Digital Policy Incubator
- **Danit Gal** – Project Assistant Professor, Keio University; Chair, IEEE Standard P7009 on the Fail-Safe Design of Autonomous and Semi-Autonomous Systems
- **Olaf J. Groth** – Professor of Strategy, Innovation, Economics & Program Director for Disruption Futures, HULT International Business School; Visiting Scholar, UC Berkeley BRIE/CITRIS; CEO, Cambrian.ai
- **Philip Hall** – (Founding Co-Chair) Co-Founder & CEO, RelmaTech; Member (and Immediate Past Chair), IEEE-USA Committee on Transportation & Aerospace Policy (CTAP); and Member, IEEE Society on Social Implications of Technology
- **John C. Havens** – Executive Director, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems; Executive Director, The Council on Extended Intelligence; Author, *Heartificial Intelligence: Embracing Our Humanity to Maximize Machines*
- **Cyrus Hodes** – Senior Advisor, AI Office, UAE Prime Minister’s Office; Co-Founded at Harvard Kennedy School the AI Initiative; Member, AI Expert Group at the OECD; Member, Global Council on Extended Intelligence.
- **Chihyung Jeon** – Assistant Professor, Graduate School of Science and Technology Policy (STP), Korea Advanced Institute of Science and Technology (KAIST)
- **Dr. Konstantinos Karachalios** – Managing Director, IEEE-Standards Association
• **Anja Kaspersen** – Former Head of International Security, World Economic Forum and head of strategic engagement and new technologies at the international committee of Red Cross (ICRC)

• **Nicolas Miailhe** – Co-Founder & President, The Future Society; Member, AI Expert Group at the OECD; Member, Global Council on Extended Intelligence; Senior Visiting Research Fellow, Program on Science Technology and Society at Harvard Kennedy School. Lecturer, Paris School of International Affairs (Sciences Po); Visiting Professor, IE School of Global and Public Affairs.

• **Simon Mueller** – Executive Director, The AI Initiative; Vice President, The Future Society

• **Carolyn Nguyen** – Director, Microsoft’s Technology Policy Group, responsible for policy initiatives related to data governance and personal data

• **Mark J. Nitzberg** – Executive Director, Center for Human-Compatible Artificial Intelligence at UC Berkeley; co-author, Solomon’s Code: Humanity in a World of Thinking Machines

• **Daniel Schiff** – PhD Student, Georgia Institute of Technology; Chair, Sub-Group for Autonomous and Intelligent Systems Implementation, IEEE P7010: Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems

• **Evangelos Simoudis** – Co-Founder and Managing Director, Synapse Partners. Author, The Big Data Opportunity in our Driverless Future

• **Brian W. Tang** – Founder and Managing Director, Asia Capital Markets Institute (ACMI); Founding executive director, LITE Lab@HKU at Hong Kong University Faculty of Law

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• **Yueh-Hsuan Weng** – Assistant Professor, Frontier Research Institute for Interdisciplinary Sciences (FRIS), Tohoku University; Fellow, Transatlantic Technology Law Forum (TTLF), Stanford Law School

• **Darrell M. West** – Vice President and Director, Governance Studies | Founding Director, Center for Technology Innovation | The Douglas Dillon Chair, Brookings Institution

• **Andreas Wolkenstein** – Researcher on neurotechnologies, AI, and political philosophy at LMU Munich (Germany)
Law

- **John Casey** (Co-Chair) – Attorney-at-Law, Corporate, Wilson Sonsini Goodrich & Rosati, P.C.
- **Nicolas Economou** (Co-Chair) – Chief Executive Officer, H5; Chair, Science, Law and Society Initiative at The Future Society; Chair, Law Committee, Global Governance of AI Roundtable; Member, Council on Extended Intelligence
- **Aden Allen** – Senior Associate, Patent Litigation, Wilson Sonsini Goodrich & Rosati, P.C.
- **Miles Brundage** – Research Scientist (Policy), OpenAI; Research Associate, Future of Humanity Institute, University of Oxford; PhD candidate, Human and Social Dimensions of Science and Technology, Arizona State University
- **Thomas Burri** – Assistant Professor of International Law and European Law, University of St. Gallen (HSG), Switzerland
- **Ryan Calo** – Assistant Professor of Law, the School of Law at the University of Washington
- **Clemens Canel** – Referendariat (Trainee Lawyer) at Hanseatisches Oberlandesgericht, graduate of the University of Texas School of Law and Bucerius Law School
- **Chandramauli Chaudhuri** – Senior Data Scientist; Fractal Analytics
- **Eun Chang Choi** – Fellow, The Free Internet Project, Affiliated Fellow, Information Society Project, Yale Law School
- **Danielle Keats Citron** – Lois K. Macht Research Professor & Professor of Law, University of Maryland Carey School of Law
- **Fernando Delgado** – PhD Student, Information Science, Cornell University.
- **Deven Desai** – Associate Professor of Law and Ethics, Georgia Institute of Technology, Scheller College of Business
- **Julien Durand** – International Technology Lawyer; Executive Director Compliance & Ethics, Amgen Biotechnology
- **Todd Elmer**, JD – Member of the Board of Directors, National Science and Technology Medals Foundation
- **Kay Firth-Butterfield** – Project Head, AI and Machine Learning at the World Economic Forum. Founding Advocate of AI-Global; Senior Fellow and Distinguished Scholar, Robert S. Strauss Center for International Security and Law, University of Texas, Austin; Co-Founder, Consortium for Law and Ethics of Artificial Intelligence and Robotics, University of Texas, Austin; Partner, Cognitive Finance Group, London, U.K.
- **Tom D. Grant** – Fellow, Wolfson College; Senior Associate of the Lauterpacht Centre for International Law, University of Cambridge, U.K.
- **Cordel Green** – Attorney-at-Law; Executive Director, Broadcasting Commission - Jamaica
- **Maura R. Grossman** – Research Professor, David R. Cheriton School of Computer Science, University of Waterloo; Adjunct Professor, Osgoode Hall Law School, York University
• **Bruce Hedin** – Principal Scientist, H5
• **Daniel Hinkle** – Senior State Affairs Counsel for the American Association for Justice
• **Derek Jinks** – Marrs McLean Professor in Law, University of Texas Law School; Director, Consortium on Law and Ethics of Artificial Intelligence and Robotics (CLEAR), Robert S. Strauss Center for International Security and Law, University of Texas.
• **Nicolas Jupillat** – Adjunct Professor, University of Detroit Mercy School of Law
• **Marwan Kawadri** – Analyst, Founders Intelligence; Research Associate, The Future Society.
• **Mauricio K. Kimura** – Lawyer; PhD student, Faculty of Law, University of Waikato, New Zealand; LLM from George Washington University, Washington DC, USA; Bachelor of Laws from Sao Bernardo do Campo School of Law, Brazil
• **Irene Kitsara** – Lawyer; IP Information Officer, Access to Information and Knowledge Division, World Intellectual Property Organization, Switzerland
• **Timothy Lau, J.D., Sc.D.** – Research Associate, Federal Judicial Center/
• **Mark Lyon** – Attorney-at-Law, Chair, Artificial Intelligence and Autonomous Systems Practice Group at Gibson, Dunn & Crutcher LLP
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• **Nicolas Miailhe** – Co-Founder & President, The Future Society; Member, AI Expert Group at the OECD; Member, Global Council on Extended Intelligence; Senior Visiting Research Fellow, Program on Science Technology and Society at Harvard Kennedy School. Lecturer, Paris School of International Affairs (Sciences Po); Visiting Professor, IE School of Global and Public Affairs
• **Paul Moseley** – Master’s student, Electrical Engineering, Southern Methodist University; graduate of the University of Texas School of Law
• **Florian Ostmann** – Policy Fellow, The Alan Turing Institute
• **Pedro Pavón** – Assistant General Counsel, Global Data Protection, Honeywell
• **Josephine Png** – AI Policy Researcher and Deputy Project Manager, The Future Society; budding barrister; and BA Chinese and Law, School of Oriental and African Studies
• **Matthew Scherer** – Attorney at Littler Mendelson, P.C., and legal scholar based in Portland, Oregon, USA; Editor, LawAndAI.com
• **Bardo Schettini Gherardini** – Independent Legal Advisor on standardization, AI and robotics
• **Jason Tashea** – Founder, Justice Codes and adjunct law professor at Georgetown Law Center
• **Yan Tougas** – Global Ethics & Compliance Officer, United Technologies Corporation; Adjunct Professor, Law & Ethics, University of Connecticut School of Business; Fellow, Ethics & Compliance Initiative; Kallman Executive Fellow, Bentley University Hoffman Center for Business Ethics
• **Sandra Wachter** – Lawyer and Research Fellow in Data Ethics, AI and Robotics, Oxford Internet Institute, University of Oxford
• **Axel Walz** – Lawyer; Senior Research Fellow at the Max Planck Institute for Innovation and Competition, Germany. (Member until October 31, 2018)
• **John Frank Weaver** – Lawyer, McLane Middleton, P.A; Columnist for and Member of Board of Editors of *Journal of Robotics, Artificial Intelligence & Law*; Contributing Writer for *Slate*; Author, *Robots Are People Too*
• **Julius Weitzdörfer** – Affiliated Lecturer, Faculty of Law, University of Cambridge; Research Associate, Centre for the Study of Existential Risk, University of Cambridge
• **Yueh-Hsuan Weng** – Assistant Professor, Frontier Research Institute for Interdisciplinary Sciences (FRIS), Tohoku University; Fellow, Transatlantic Technology Law Forum (TTLF), Stanford Law School
• **Andrew Woods** – Associate Professor of Law, University of Arizona
Extended Reality

- **Monique Morrow** (Co-Chair) – President, Co-Founder The Humanized Internet
- **Jay Iorio** Chair (Co-Chair) – Director of Innovation, IEEE Standards Association
- **Katryna Dow** – CEO & Founder at Meeco
- **BC Biermann, PhD** – Founder and Creative Director at Heavy Projects; Assoc. Prof. of Emerging Media at CAVAD; Senior Civic Media Fellow at USC Annenberg Innovation Lab
- **Takashi Egawa** – NEC Corporation, Standardization Expert
- **Danit Gal** – Project Assistant Professor, Keio University; Chair, IEEE Standard P7009 on the Fail-Safe Design of Autonomous and Semi-Autonomous Systems
- **Ann E. Greenberg** – Founder & CEO of Sceneplay, DBA Entertainment AI™ (previously) Co-Founder of Gracenote and ION
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IEEE P7009™ - **Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems**

- **Chair: Danit Gal** – Project Assistant Professor, Keio University; Chair, IEEE Standard P7009 on the Fail-Safe Design of Autonomous and Semi-Autonomous Systems
- **Vice-Chair: Ken Wallace** – Head of Software Engineering, Maritime, BAE Systems plc
IEEE P7010™ - Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems

- **Chair: Laura Musikanski** – Executive Director at The Happiness Alliance - home of The Happiness Initiative & Gross National Happiness Index
- **Vice-Chair: John C. Havens** – Executive Director, The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems; Executive Director, The Council on Extended Intelligence; Author, *Heartificial Intelligence: Embracing Our Humanity to Maximize Machines*

IEEE P7011™ - Standard for the Process of Identifying and Rating the Trustworthiness of News Sources

- **Chair: Joshua Hyman** – Cloud and Software Administration Manager at the University of Pittsburgh; Author, *Addressing Fake News - Open Standards & Easy Identification*
- **Vice-Chair & Secretary: Sean La Roque-Doherty** – Attorney & Counselor at Law

IEEE P7012™ - Standard for Machine Readable Personal Privacy Terms

- **Chair: David P. Reed** – President, Deep Plum Research
- **Vice-Chair: Lisa LeVasseur** – VP Research & Technology, Wrethinking, The Foundation

IEEE P7013™ - Inclusion and Application Standards for Automated Facial Analysis Technology

- **Chair: TBD**
- **Vice-Chair: TBD**
Names of the IEEE Global Initiative Members

Thank you to our IEEE Global Initiative Community beyond our Committee Members. We have included the following truncated list of our over 1,600 members who provided their information in time for the creation of this document.

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