



FIRST AGIDE WORKSHOP

CULTURAL DIMENSIONS OF DIGITAL ETHICS

The digital transformation is changing the way we live, the way our societies and economies function, and is shifting global power relations. Moreover, it has brought about an unprecedented degree of global interconnectedness. In cooperation with other Academies of Sciences worldwide, Academies for Global Innovation and Digital Ethics (AGIDE) seeks to embrace the socio-cultural variety of perspectives from all over the world and to further explore differences and similarities without forcing uniformity or consensus.

The first AGIDE workshop will focus on the main questions of the project, that is, how various regions and cultures experience digitalization and whether particular ethical challenges arise due to various cultural dimensions. A series of renowned international speakers were invited to investigate, beyond stereotypes, in which ways cultural dimensions influence how technologies are welcomed, perceived and dealt with. Three main questions were identified to guide the discussions at the workshop:

1. What is your vision of a 'good digital future' within your cultural context or region?
2. When you step out of the 'bubble' of the expert community, what are the views of lay people you meet 'outside'?
3. What is the most annoying cultural stereotype with regard to approaches to digitization? Why do you find it annoying and what would you change about that stereotype?

In order to obtain a clearer picture of global innovation and digital ethics, different speakers from various regions have been selected to give an overview of the most salient issues from their point of view, in their expertise and experience. The workshop will feature two to four speakers each giving a short talk (approx. 15–20 minutes) in a panel-like format. After that, there will be time for discussion.

REMOTE PARTICIPATION VIA ZOOM:

<https://oeaw-ac-at.zoom.us/j/69351647337?pwd=MXB3MHNMam1EZVpLTXR4ZTFsblROQT09>

Meeting-ID: 693 5164 7337– Pass Code: VFQa8m

CONTACT:

Jana Winter, BA, T: +43 1 51581-3632, jana.winter@oeaw.ac.at



PROGRAM

MONDAY, 17 APRIL 2023

- 09:00 **Registration and Welcome Coffee**
- 09:30–10:00 **Introductory Words**
Christiane Wendehorst | President of the Division of Humanities and Social Sciences of the Austrian Academy of Sciences
- 10:00–11:00 *Computer Sciences & Māori languages*
Te Taka Keegan | The university of Waikato – Te Whare Wananga o Waikato (New Zealand)
- Anthropology*
Philipp Budka | University of Vienna (Austria)
- Information and Communications Technology Law*
Teki Akuetteh | Nsiah Akuetteh & Co., Africa Digital Rights Hub (Ghana)
- Philosophy of Science and AI Ethics*
Emma Rutkamp-Bloem | University of Pretoria (South Africa)
- 11:00–12:30 **Discussion**
- 12:30–13:30 LUNCH BREAK
- 13:30–14:15 *The Internet Society (ISOC)*
Alejandro Pisanty | The National Autonomous University of Mexico (Mexico)
- Steptoe & Johnson LLP*
Alan Cohn | UC Berkeley Center for Long-Term Cybersecurity (USA)
- Electrical and Computer Engineering*
Imad Elhadj | The American University of Beirut (Lebanon)
- 14:15–15:00 **Discussion**
- 15:00–15:30 COFFEE BREAK

- 15:30–16:00 *Anthropology & Inclusive Design*
Arora Payal | The Erasmus University Rotterdam (The Netherlands)
- Sociology, Communications & Political Science*
Anat Ben-David | The Open University of Israel (Israel)
- 16:00–17:30 **Discussion**

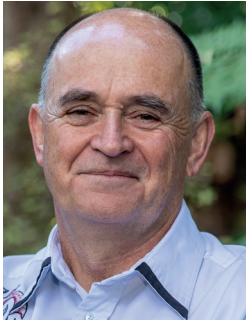
TUESDAY, 18 APRIL 2023

- 09:00 WELCOME COFFEE
- 09:30–10:30 *AI Ethics & Society*
Shoko Suzuki | Kyoto University (Japan)
- Philosophy of Technology*
Soraj Hongladarom | Chulalongkorn University (Thailand)
- Brain Science and Intelligence Technology*
Yi Zeng | The Chinese Academy of Sciences (China)
- Robotics, Ethics & Law*
Yueh-Hsuan Weng | Tohoku University (Japan)
- 10:30–12:00 **Discussion**
- 12:00–12:30 **Wrapping Up and Closing Remarks**

INTRODUCTION OF THE SPEAKERS

MONDAY, 17 APRIL 2023, 09:30–11:00

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Ass. Prof. Ass. Dean Māori Te Taka Keegan received a Diploma in Computer Engineering from CIT (Wellington) in 1987. He completed a PhD in 2007, titled *Indigenous Language Usage in a Digital Library: He Hautoa Kia Ora Tonu Ai*. Te Taka has worked on a number of projects involving the Māori language and technology. These include the Māori Niupepa Collection, Te Kete Ipurangi, the Microsoft keyboard, Microsoft Windows and Microsoft Office in Māori, Moodle in Māori, Google Web Search in Māori, the Māori macroniser and the Google Translator Toolkit for Māori.

Keywords: Computer Engineering, Māori language technologies, indigenous language interfaces, multi-lingual usability. Current research interests have focused on the use of te reo Māori in a technological environment.

<https://www.cms.waikato.ac.nz/people/tetaka>

© Philipp Budka



Dr. Philipp Budka is a Research Associate and Lecturer at the Department of Social and Cultural Anthropology of the University of Vienna. He has been researching media, technologies, and infrastructures in the Americas and Europe. Currently, Philipp leads the North American study region in the ERC Advanced Grant project “Building Arctic Futures: Transport Infrastructures and Sustainable Northern Communities – InfraNorth” and explores transport infrastructures in northern Canada. He is the co-founder of the Digital Ethnography Initiative at the University of Vienna and a founding member and co-convenor of the Media Anthropology Network of the European Association of Social Anthropologists (EASA). Philipp is the co-editor of *Theorising Media and Conflict* (Berghahn Books, 2020) and *Ritualisierung – Mediatisierung – Performance* (Vienna University Press, 2019) and has published widely in peer-reviewed journals and edited volumes. He is currently working on two book projects: a monograph on the sociotechnical history of the Indigenous internet environment MyKnet.org and a book on transport infrastructures in northern Manitoba, Canada.

Keywords: Social and Cultural Anthropology, Communication, Indigenous internet environment, Anthropology of Technology & Infrastructure, digital and historical internet research

<https://ksa.univie.ac.at/en/department/people/post-docs/budka-philipp/>

Executive Director Teki Akuetteh is an ICT/Telecom Lawyer, a Privacy/Data Protection Consultant and Senior Partner at a law firm based in Accra, Ghana. She is also the Founder and Executive Director of the Africa Digital Rights Hub, a member of the UN Global Pulse Privacy Advisory Group, and a non-resident fellow of the Center for Global Development. Previously, Teki has worked for the Government of Ghana in the development of several key legislations for the ICT sector including the Data Protection Act, 2012 (Act 843), Electronic Communications Act, 2008 (Act 775), and Electronic Transactions Act, 2012 (Act 772). She was also the first Executive Director of the Data Protection Commission of Ghana. Teki holds an LLM in Information Technology and Telecommunications Law from the University of Strathclyde, Glasgow, Scotland and a Bachelor of Arts in Law and Political Science from the University of Ghana (Legon), Accra, Ghana.

Keywords: Information and communications technology law Expert, privacy and data consultant, Ghana Bar Association, Africa Digital Rights Hub, policy advice.

https://nsiahakuetteh.com/cl_team/teki-akuetteh-falconer/

Prof. Emma Ruttkamp-Bloem is a professor and head of the Department of Philosophy, Faculty of Humanities at the University of Pretoria. She is the leader of the ethics of artificial intelligence research group at the Centre for Artificial Intelligence Research (CAIR) in South Africa. In her capacity as an AI ethics policy researcher, Prof Ruttkamp-Bloem is a member of the AUDA-NEPAD Consultative Roundtable on Ethics in Africa and a current member of the UNESCO World Commission for Ethics of Scientific Knowledge and Technology (COMEST). Further, she is a co-chair of the Steering Committee for the Southern African Conference for AI Research.

Keywords: Mathematical logic and philosophy of science, human–technology relations, the ethics of social robotics, data ethics; generating culturally sensitive policies for trustworthy AI technologies while aiming for global regulation

<https://www.up.ac.za/philosophy/article/2542714/emma-ruttkamp-bloem>



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© Emma Ruttkamp-Bloem

MONDAY, 17 APRIL 2023, 13:30–14:15

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Prof. Alejandro Pisanty Baruch has contributed to the growth and improvement of the Internet in Mexico and Latin America through his position at the National Autonomous University of Mexico (UNAM) and in his roles at the Internet Corporation for Assigned Names and Numbers (ICANN) and the Internet Society (ISOC), as well as other influential networking organizations. His advocacy, lobbying, and keen understanding of the unique needs of developing countries when it comes to the Internet have significantly influenced policy and directed funding to keep millions online.

Keywords: Internet governance, e-government, e-learning, and cybersecurity; online and offline policy and legislation; information society, network neutrality, multistakeholder governance, STS

<https://www.internethalloffame.org/inductee/alejandro-pisanty/>

© Alan D. Cohn



Adjunct Prof. Alan Cohn is a Partner in the Washington, DC office of Steptoe & Johnson LLP, and the co-chair of Steptoe's Blockchain and Cryptocurrency Practice. Alan advises clients on a range of regulatory issues associated with blockchain technology, cryptocurrency, and crypto-assets. Alan also serves as counsel to the Blockchain Alliance, a public-private forum established by a broad coalition of companies and organizations to help combat criminal activity on the blockchain. Alan is ranked among the top U.S. attorneys in Blockchain and Cryptocurrencies by Chambers USA (2019-2022), where he is noted for his "tremendous depth of expertise in regulatory issues facing blockchain platforms and cryptocurrencies." Before joining Steptoe, Alan served in senior policy positions at the US Department of Homeland Security from 2006 to 2015, most recently as the Assistant Secretary for Strategy, Planning, Analysis & Risk and second-in-charge overall of what is now the DHS Office of Strategy, Policy and Plans. Among a variety of responsibilities, Alan established the cyber policy office within what is now the DHS Office of Strategy, Policy and Plans, represented DHS on the Committee on Foreign Investments in the United States (CFIUS), and architected and helped implement DHS Secretary Jeh Johnson's Unity of Effort Initiative, a major corporate-level DHS management reform

and cross-departmental governance effort. Alan earned his AB from Columbia University and his JD from Georgetown University Law Center.

Keywords: Blockchain & cryptocurrency, cybersecurity, financial services, gov. policy advisor, Web3

<https://www.steptoe.com/en/lawyers/alan-cohn.html>

Prof. Imad H. Elhadj is currently a member of the World Economic Forum Global Future Council on Artificial Intelligence and Robotics and Professor at the Department of Electrical and Computer Engineering at the American University of Beirut (AUB). In 2014, he co-founded SAUGO 360, the first startup to be incubated at AUB, and in 2017 he co-founded the Humanitarian Engineering Initiative at AUB. Dr. Elhadj is the past chair of IEEE Lebanon Section, a senior member of IEEE and a senior member of ACM. He has served as an ABET program evaluator since 2013. His research interests are at the intersection of robotics, networking, and human machine interfacing with applications in health and the environment.

Keywords: Computer Engineering, Robotics, Human Machine Interfacing with applications in health and environment, Vision and Robotics

<https://www.aub.edu.lb/pages/profile.aspx?memberId=ie05>



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MONDAY, 17 APRIL 2023, 15:30–16:00

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Prof. Payal Arora is a digital anthropologist and author of several books, including the award-winning *The Next Billion Users* with Harvard Press. She is the co-founder of FemLab. Co, an initiative on the global future of work and a Professor and Chair of Technology, Values and Global Media Cultures at Erasmus University Rotterdam. Her expertise lies in inclusive design and user experiences among low-income communities worldwide and comes with two decades of fieldwork in such contexts. She has consulted on tech innovation for diverse organizations such as UNESCO, KPMG, GE, and HP and sits on several boards such as Columbia University Earth Institute, UNESCO Connectivity in Education, and World Women Global Council in New York. *Forbes* named her the “next billion champion” and the “right kind of person to reform tech.”

Keywords: digital activism, digital anthropologist and author, digital life beyond the West, technology, values and global media cultures, inclusive design
<https://payalarora.com/>

© Anat Ben-David



Ass. Prof. Anat Ben-David is an Associate Professor at the Department of Sociology, Political Science and Communication at the Open University of Israel. She is a co-founder of the Open University’s Open Media and Information Lab (OMILab). Focusing on New Media, her primary research interests are the history and geopolitics of the web, Digital STS, social and political studies of social media, and digital and computational methods for web research.

Keywords: Sociology, Political Science, communication, Digital STS, social media, geopolitics of the web
<https://www.openu.ac.il/en/personalsites/AnatBenDavid.aspx>

TUESDAY, 18 APRIL 2023, 09:30–10:30

Prof. Em. Shoko Suzuki is a Professor at Kyoto University, a School of Educational Studies and Principal Investigator, in the AI Ethics and Society Team and Advanced Integrated Project at the RIKEN Center (Japan): “Artificial intelligence and other forms of information technology have advanced rapidly in recent years. This has led to both excessive expectations for this technology and at the same time has given rise to questions about how to relate to more humanlike artifacts, and fears about the possibility that technology that might acquire not only emotions and intuitions but also consciousness, leading to increasing anxiety and an unfounded sense of crisis that machines may come to dominate or destroy human society. There is an urgent need to develop an ethical foundation for continued coevolution with technology through coexistence and symbiosis with things and machines, while retaining an appropriate awe of technology.”

Keywords: (AI) Ethics and Society, the Anthropocene, Cultural Anthropology, Philosophy, AI for the social good
https://aip.riken.jp/labs/ai_soc/ai_ethical_legal_soc_issues/

Prof. Em. Soraj Hongladarom is a Research Fellow at the Center for Science, Technology and Society at Chulalongkorn University in Bangkok, Thailand. He has published books and articles on such diverse issues as bioethics, computer ethics, and the roles that science and technology play in the culture of developing countries. His concern is mainly on how science and technology can be integrated into the life-world of the people in the so-called “third world countries”, and what kind of ethical considerations can be obtained from such relation. A large part of this question concerns how information technology is integrated in the lifeworld of the Thai people, and especially how such integration is expressed in the use of information technology in education. He is the author of *The Ethics of AI and Robotics: A Buddhist Viewpoint* (Rowman and Littlefield), *The Online Self* (Springer) and *A Buddhist Theory of Privacy* (Springer). His articles have appeared in *The Information Society*, *AI & Society*, *Philosophy in the Contemporary World*, and *Social Epistemology*, among others

Keywords: non-Western AI ethics guidelines – implications for intercultural ethics of technology, philosophy of technology, applied ethics, AI ethics; tech in non-Western cultures,
<https://philpeople.org/profiles/soraj-hongladarom>



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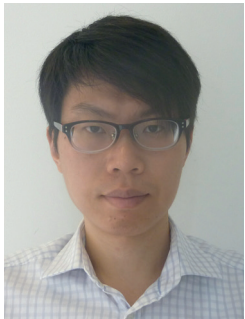


Prof. Yi Zeng is a Professor and Director of Brain-inspired Cognitive Intelligence Lab, and Founding director of the International Research Center for AI Ethics and Governance, both at Institute of Automation, Chinese Academy of Sciences. He is a founding director of the AI for SDGs Cooperation Network, and Center for Long-term AI. He is a member of the National Governance Committee of the New Generation AI, China. He is also a member of the Advisory Council for Institute of Ethics in AI, University of Oxford, a member of the UNESCO Ad Hoc Expert Group on AI Ethics, a member of the WHO Expert Group on AI Ethics and Governance for Healthcare.

Keywords: Brain-inspired cognitive computation models, robotics, ethics and governance of artificial intelligence; brain-inspired neural networks and cognitive robotics; cognitive brain modeling and simulation; ethics and governance of artificial intelligence; artificial intelligence for sustainable development goals.

<http://www.braincog.ai/~yizeng/>

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Ass. Prof. Yueh-Hsuan Weng is an Assistant Professor at FRIS, Tohoku University, Visiting Scientist at RIKEN-AIP in Tokyo, and PI for the JST FOREST (Fusion Oriented REsearch for disruptive Science and Technology) program. He has been appointed as Tohoku University Prominent Research Fellow (2021), Stanford Law School's TTLF Fellow (2018–2021), Visiting Assistant Professor at The University of Hong Kong (2018), Peking University's Yahoo! Research Fellow (2010–2014). He received his Ph.D. in Law from Peking University and his M.S. in Computer Science from National Chiao Tung University. He is strongly interested in interdisciplinary studies, especially in issues concerning the interface between Artificial Intelligence and Law, including Robot Law, Social Robotics, and Legal Informatics. During his Ph.D. studies, he has founded ROBOLAW.ASIA and CHINA-LII, which are China's first initiatives in AI Law and Free Access to Law. Currently, he is also an Associate Editor of Delphi – Interdisciplinary Review of Emerging Technologies.

Keywords: International Law; "Robo Law Asia", Artificial Intelligence & Law; Ethics and Design; Human Robot Interaction (HRI); IEEE Global Initiative for Ethical Considerations in Artificial Intelligence and Autonomous Systems
<https://www.megabank.tohoku.ac.jp/english/ethics/>

