

List of Authors (alphabetic order)

Manuel 'HonkHase' Atug has been working as a consultant and auditor in information security and the protection of critical infrastructures for over 23 years and deals with the topics of KRITIS, ethics, hybrid warfare, cyber resilience, civil protection and disaster protection. HonkHase has a degree in computer science, a Master of Science in Applied IT Security and is an engineer.

Thomas Bartoschek is post-doc at the Institute for Geoinformatics at the University of Münster and co-founder and managing director of Reedu. In his research and development work, he focuses on technologies for Citizen Science and the future of education interfacing with sustainability research. He has received a number of awards for his work, most recently the Open Data Impact Award and the ACM Eugene Lawler Award for humanitarian contributions to Computer Science.

Jana Baum is a research associate in the research programme “Digital Democratic Innovations”. Her research interest is to explore the question of subjectivity and self-determination in the context of digitality and artificial intelligence. Since 2022 she is Research Assistant at the Institute of Philosophy / University of Leipzig (Lecturer for Theoretical Philosophy).

Nikolas Becker heads the Politics & Science division of the Gesellschaft für Informatik e.V. (GI) and the Netzwerk Digital GreenTech. After earning his M.A. in Political Science (Universität Potsdam, UCSD) with a focus on the international political economy of intellectual property rights, he worked as a product manager for the Open Knowledge Foundation International.

Grischa Beier studied mechanical engineering at TU Ilmenau, UFSC (Brazil) and ITMO (Russia). Since September 2014, he has been working at RIFS Potsdam, where, as head of the research group “Digitalisation and Impact on Sustainability”, he explores the social and ecological effects of future digitalised and networked industrial production, among other topics. Since 2023, he has held a professorship in Sustainability in Digitalisation at the University of Potsdam.

Christoph Bieber is a research professor at CAIS with the research programme “Digital Democratic Innovations” and focuses on the research areas like Digitalisation and Democracy; Elections and election campaigns; Ethics and responsibility in politics; Transparency and Public Communication.

Bonny Brandenburger graduated from the University of Lille in a German-French double master's programme in the field of cultural studies and economics. She then worked for four years in various projects on the topics of international vocational training, transnational science communication and community participation of new immigrants funded by the German Federal Ministry of Education and Research (BMBF).

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Francesca Bria is an economist, digital policy expert, and information technologist working at the intersection of technology, geopolitics, economics and society, who lectures at various universities and is a consultant amongst others to the United Nations and the European Commission.

Florian Butollo is Professor of Sociology with a focus on “Digitalization of the world of work” at TU Berlin and part of the research group “Working with Artificial Intelligence”. He is responsible for several projects based at the Social Science Research Center Berlin and associated with the Weizenbaum Institute - on the consequences of the pandemic for digitalization in the world of work (funded by BMAS), on the regulation of algorithmic management in the world of work (EU Commission), and on the restructuring of global value chains in the wake of the pandemic (DFG).

Anouk Cenan is a scientific assistant for the research programme Digital Democratic Innovations.

Tina Comes is a Professor in Decision Theory & ICT for Resilience at the TU Delft (NL). Since her PhD, she has been determined to better understand how digital technologies drive decision-making of individuals and groups in the context of risk and crises. At the TU Delft, she leads the Resilience Lab and heads the disaster resilience theme for the Delft Global Initiative. She serves as the Scientific Director for the 4TU.Centre for Resilience Engineering, a collaboration of the 4 technical universities of the Netherlands.

Jordana Composto is a Psychology and Social Policy PhD student at Princeton University. Her research interests include organizational behaviour, social norms, and pro-social decision making in the private sector. At Princeton, she is advised by Professor Elke Weber. She is affiliated with the Department of Psychology and the Andlinger Center for Energy and the Environment.

Teresa Cerratto Pargman is a Human-Computer Interaction (HCI) professor at the Dept. of Computer and Systems Sciences at Stockholm University (SU). With a background in Psychology, Pedagogy, and Cognitive Science, she conducts conceptual and empirical studies on emerging technologies and practices in the public sector drawing from perspectives on the philosophy of technology and science and technology studies.

Nicole Döpp is a project manager at Smart City in Süderbrarup. Here, she is passionate about digitalisation and increasing efficiency in public administration with the aim of optimising processes and making work easier for everyone involved.

Lorenz Erdmann leads the Business Unit Foresight for Research and Civil Society at Fraunhofer ISI's Competence Center Foresight. He graduated at the Technical University Berlin in Environmental Sciences and Technology. Then he worked for a decade at the Institute for Futures Studies and Technology Assessment IZT on sustainable digitalization, before joining Fraunhofer ISI's Competence Center Foresight in 2011.

Niklas Frechen is PhD student and research associate in the research programme “Digital Democratic Innovations”.

Anne Goldmann is PhD student and research associate in the research programme “Digital Democratic Innovations”.

Jennifer Haase is a research associate at the Humboldt University in Berlin, specifically at the Institute of Computer Science. Additionally, she contributes to the research group "Security and Transparency of Digital Processes" at the Weizenbaum Institute. Jennifer's research results have found their way to top-tier journals in psychology, creativity, and information systems, and she's been a notable presence at numerous conferences.

Andrea Hamm received her doctoral degree in Digital Media and Technology from the Dep. of Political and Social Sciences at Free University Berlin, Germany. She is now researcher in the group "Digitalization, Sustainability, and Participation" at the Weizenbaum Institute for the Networked Society. She is researching interdisciplinarity between the fields Human-Computer-Interaction and Journalism Studies. In her current work, she is interested in better understanding modes of participation in varying contexts of digitalization projects.

Pauline Heger is a research associate in the research program "Digital Democratic Innovations". Since August 2023, she has been on the doctoral list at TU Dresden. The working title of her dissertation is: "Mapping Social Acceptance of Green Innovation in Urban Settings". The goal: to better understand social processes that arise from the interaction between politics and civil society when innovative technologies are to be integrated into urban living spaces. She has a particular interest in climate-friendly Technologies.

Mennatullah Hendawy is an interdisciplinary urban planner working at the intersections of cities, media, and technology toward equity and sustainability. She is an assistant professor at Ain Shams University in Cairo, Egypt, and is also affiliated with the Center for Advanced Internet Studies, Technical University of Munich, and Impact Circles e.V., in Germany.

Christian Herzog is a transdisciplinary researcher with a PhD in engineering and an M.A. in applied ethics. Since 2023, he has been appointed Professor for the Ethical, Legal, and Societal Aspects of AI at the University of Lübeck. Christian Herzog investigates ethical issues by focusing on power dynamics, epistemic injustice, and a non-reductionist approach to centering on the diverse ways epistemes, identities, and values are generated, contested, proliferated, and protected within technologically mediated assemblages.

Luca Hesse recently completed a Bachelor's degree in Geoinformatics and is now continuing with a Master's program at the Institute for Geoinformatics in Münster. Currently, he works as a student assistant at con terra, focusing on WebGIS development. His recently completed Bachelor's thesis examined the integration of machine learning with me-of-flight sensor technology.

Lena Hoffmann is a Consultant at the Gesellschaft für Informatik e.V. (GI), where she works on the project "Enabling Green Computing and Digital Transformation" (ECO:DIGIT). She also served as a sustainability expert in the BMUV's AI flagship project "Green Consumption Assistant", which focused on the AI-supported promotion of sustainable consumption on the internet. She holds a Master's degree in Sustainable Resource Management (M.Sc.) from the TU Munich and was involved in organising the Bits&Bäume Conference in 2022.

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Sigrid Kannengießer is professor of Communication Studies with a focus on Media Sociology. Previously, she was professor of Communication and Media Studies with a focus on Media Society at the University of Bremen. She rejected appointments as a professor to the University of Paderborn and the Zeppelin University Friedrichshafen.

Benjamin Karic is a research associate and PhD candidate at the Institute for Geoinformatics, University of Münster. With a strong foundation in the Internet of Things from his bachelor's and master's degrees in geoinformatics, he now dedicates his research to enhancing the energy efficiency of Internet of Things applications. He focuses on reducing data transmission through the integration of onboard AI methods and advanced engineering of wireless sensor networks.

Ann Katzinski is a research associate in the project “Generative AI in the Workplace: Application, Impact and Design” within the research group “Globalization, Work and Production” at WZB I Berlin Social Science Center and an affiliated researcher at the Weizenbaum Institute. She previously conducted research there in the project “ELIZA reloaded”, examining potential changes in knowledge work through generative language-based AI systems, using ChatGPT as a case study. Her current research at WZB builds on this, focusing on the interplay between generative AI and programmers.

Krishnan Radhika has been post-doctoral fellow at the Centre at Concurrences in Colonial and Post-Colonial Studies at Linnaeus University in Sweden. She was also a Fellow at the Indian Institute of Advanced Study (IIAS) in Shimla, India. She also has several years of leadership experience in product management collaborating with cross functional engineering teams, SMEs and stakeholders to deliver customer centric and high-quality business and IT solutions.

Caroline Krohn is co-founder and spokesperson of the Working Group Sustainable Digitalisation. This initiative has set itself the goal of focusing on protecting future generations in times of increasing digitalisation. She is also an entrepreneur in the fields of IT security, IT expert recruitment and sustainable corporate management. She is also active in digital policy with Bündnis90/Die Grünen, for which she ran for the state parliament in Hesse in 2018 and for the Bundestag in 2021.

Felix Kronlage-Dammers has been active in various open-source development communities, including DarwinPorts, OpenDarwin, OpenBSD and currently, the Sovereign Cloud Stack. His interests range from monitoring and observability to infrastructure-as-code to building and scaling communities and organisations. He is a techie at heart and enjoys empowering others to do great things. He is part of the extended board of OSBA and describes himself as a Unix/Open-Source nerd.

Anne K. Krüger is a sociologist studying the reorganization of knowledge practices and evaluation through digitalization. Her research is situated at the intersection of Critical Data Studies, Organizational Sociology, the Sociology of Valuation and Evaluation, and Science and Technology Studies. She is currently working on digital infrastructures in research evaluation and the use of generative AI in science.

Furkan Koc is a student of Political Science at the University of Duisburg-Essen. Areas of research and interest include the implementation of artificial intelligence in politics, conflict research in the Balkans and co-operation in international development aid between security communities.

Thomas Kox studied geography with minors in political science and sociology at the Rheinische-Friedrich-Wilhelms-Universität Bonn, at the University College Cork, and at the University of Potsdam (doctorate). From 2011 to 2019, he worked as researcher at Freie Universität Berlin (FUB) and from 2019 to 2023 at Ludwig Maximilian University of Munich (LMU). During the summer term 2024 he was interim professor in Earth Science Communication and Climate Education at LMU. His work is on the perception and use of uncertainty, disaster and civil protection practices, as well as weather impacts, warnings and citizen science. Since November 2022, he leads the research group "Digitalization and Networked Security" at the Weizenbaum Institute.

Verena Majuntke has worked for more than six years at Bosch Software Innovations and Bosch Connected Industry. Since 2019, she has held a professorship in Software Engineering at HTW Berlin, where she maintains a strong focus on Green Coding, Requirements Engineering and Programming Education.

Florian Meissner is Professor of Media Management and Journalism at Macromedia University of Applied Sciences in Cologne, Germany. He serves as the Chair of the Risk and Crisis Communication Section of ECREA and is the Principal Investigator of a research project called "Digital Fitness for Citizens." This project is funded by the German Federal Ministry of Education and Research with the aim of promoting cybersecurity awareness and behaviour at the societal level.

Anne Mollen's research focuses on sustainability and digitalisation as well as automation in media communication and data-centric technologies. She studied Communication and Political Science at WWU Münster (B.A.) from 2006 to 2009 and International Communications at the University of Leeds (M.A.) from 2009 onwards. She received her PhD in 2018 with a thesis on the socio-technical constitution of digital communicative spaces. She was the chair of YCREA from 2016 to 2018.

Meyke Nering Bögel is a consultant at the systems change company Systemiq in Amsterdam (NL). Prior to that, she worked as a researcher at the Resilience Lab at the Faculty of Technology, Policy and Management at the University of Technology in Delft, focusing on emergent behaviour in refugee settlements. She holds a MSc degree in Engineering and Policy Analysis from the TU Delft.

Jan Magnus Nold holds a Master degree in "IT-Security and Information Engineering". During his studies, he focused on human behaviour. Now he is a PhD candidate at the chair for Human-Centred Security at Ruhr University Bochum. His work within the project "Digital Fitness for Citizens", funded by the German Federal Ministry of Education and Research, focuses on technology assisted behaviour change for personal cyber security.

Seyi Olojo is PhD student in the School of Information with a designated emphasis in Science and Technology Studies at The University of California, Berkeley. Her research explores how colonial histories of racial classification are re-articulated within contemporary machine learning practices, specifically data collection and early-stage machine learning. Additionally, she investigates the relationship between technical failures and identity formation among historically marginalized communities.

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Rebecca Panskus holds a Master Degree in “Cybersecurity & Information Technology” and is a PhD candidate in Cybersecurity and Privacy at the Digital Sovereignty Lab at Ruhr University Bochum, Germany. Her work within the research project “Digital Fitness for Citizens” funded by the German Federal Ministry of Education and Research, focuses on Cybersecurity and Privacy of children, teenagers and young adults from a human-centred perspective.

Robin Preiß is a doctoral candidate and member of the working group of the Ethical Innovation Hub at the University of Lübeck. He holds an M.A. in Science and Society from the Leibniz University of Hannover. His current research focuses on digitalisation approaches in the public administration sector. The objective of his research is to investigate ethical and social questions that emerge with technological changes and to analyse the impact of these transformations on society.

Lubna Rashid is an academic, educator, activist and artist. Lubna’s work lies at the intersection of ecological sustainability, behavioral psychology, digital entrepreneurship & innovation, and social justice. She is particularly interested in understanding the drivers of (un)sustainable decision-making and behavioral change for sustainability. She has extensive experience with post-conflict and refugee settings and has eclectic backgrounds, including in ecology and the performing arts.

Angela Sasse studied psychology in Wuppertal and Great Britain in the 1980s. She completed her Master's degree in Occupational Psychology in Sheffield and gained her doctorate in Computer Science at the University of Birmingham. From 2003, she was Professor of Human-Centred Technology at University College London. In 2018, she took over the Chair of Human-Centred Security at the Horst Görtz Institute for IT Security at Ruhr University Bochum and was admitted to the German National Academy of Sciences Leopoldina in 2023.

Paula Scharf is a software developer at Reedu where she is currently mainly involved in the research project TinyAIoT. In the project she investigates applying sustainable, energy- and resource-efficient machine learning models on especially small and constrained hardware. Previously she has pursued her bachelor and master degree of geoinformatics at the University of Münster which she finished in 2023 with a final thesis about using machine learning for insect detection.

Ina Schieferdecker is Honorary Professor for Software-Based Innovations at the Technical University of Berlin. She was Director of Research for Technological Sovereignty and Innovation at the German Federal Ministry of Education and Research, focusing on modern key technologies such as quantum technologies, materials technologies, microelectronics, communication, software and AI technologies, as well as the future of work and value creation.

Josephine B. Schmitt, is scientist and certified Scrum Master at the center for Advanced Internet Studies (CAIS). Her expertise lies at the intersection of media psychology, communication sciences, media education, science and technology studies. Among others, she shapes and explores new methods of collaboration among researchers. She focuses on creating and translating scientific insights into practical applications using innovative methods. In her research, she also delves into topics such as civic education on the internet, hate speech and fake news.

Yuya Shibuya is an associate professor at the University of Tokyo, Japan, focusing on the interaction between virtual and real worlds. She is interested in how the virtual and real worlds interact with one another. In particular, her research interests have lied in how to ensure and enhance democratic participatory structures in the digital era. Mainly based on but not limited to quantitative and mixed methods, she's have researched people's socio-economic activities, people's behavioral changes, and digital media activities.

Samuel T. Simon is a certified agile coach and process facilitator. He teaches at the Ruhr University Bochum and is a researcher at the Center for Advanced Internet Studies GmbH (CAIS). He is completing his doctorate on the application of various innovation approaches in interdisciplinary scientific projects (particularly research on digital transformation). He is investigating how these approaches can be used to actively shape social transformation processes and promote sustainable change.

Marc Steen works as a senior research scientist at TNO, a leading research and technology organization in the Netherlands. He earned MSc, PDEng and PhD degrees in Industrial Design Engineering at Delft University of Technology. He worked at Philips and KPN before joining TNO. He is an expert in Human-Centred Design, Value-Sensitive Design, Responsible Innovation, and Applied Ethics of Technology and Innovation.

Felix Sühlmann-Faul is an expert in digitalization and sustainability, holds a doctorate in technological sociology, is a speaker, consultant and author. He was a test manager in Daimler customer research and a project manager at the Institute for Transportation Design. He advises the German Sustainability Award, among other things, and was involved in setting up a Germany-wide research network on digitalization and sustainability.

André Ullrich heads the research group "Digitalisation, Sustainability and Participation" at the Weizenbaum Institute for the Networked Society and is currently doing his habilitation on responsible and sustainable digitalisation. His work focuses on the opportunities and risks of digitalisation for the socio-ecological transformation of companies and society.

Martijn Warnier is full Professor of Complex System Design and head of the Multi-Actor or Systems Department - Faculty of Technology, Policy and Management - Delft University of Technology. He holds a PhD degree in Computer Science from the Radboud University Nijmegen (2006). In his research prof. Warnier studies complex emergent behaviour in and of socio-technical systems, specifically of power and ICT infrastructure and the combination thereof.

Elke U. Weber is a German-Canadian psychologist and professor of psychology and public affairs at Princeton University. She is Visiting Fellowship at the Technische Universität Berlin, where she researches political decision-making powers and global action to tackle climate change through the behavioural and social sciences. Elke Weber will draw on psychological theories to investigate the extent to which personal experiences, as well as social norms and interactions, affect decision-making and action.

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Ines Weigand graduated in 2020 from the Berlin University of the Arts (UdK) with a Master's degree in Communication in Social and Economic Contexts. In her collaborative Master's thesis, she investigated potentials of the Open Science movement for a change in the relationship between humans and nature. In order to investigate this problem, which is typical for the Anthropocene, she used methods of critical making and experiential learning.

Jan Wieland is a student of political science at the University of Duisburg-Essen.

Alexander Wilke holds a Master Degree in Media and Communication Management and is a Project Researcher at Macromedia University of Applied Sciences in Cologne, Germany. His work is focused on the research project "Digital Fitness for Citizens" funded by the German Federal Ministry of Education and Research. He has a professional background as a communications specialist and consultant in a nationwide PR agency and is experienced in communication conception, realization and evaluation from a practical perspective.

Annemarie Witschas is a member of the research group "Ethics and critical Theories of AI" at Osnabrück University. With an interdisciplinary background in Cognitive Science, she has an expertise in both AI and critical philosophy. Her research interests broadly span power differentials in the digital realm, ranging from the impact of AI technologies in pornography, to exploring the effects of AI discourse on collective futures thinking, as in their current MWK-funded project "Predicted Futures?"

Herbert Zech holds the Chair of Civil Law, Technology Law and IT Law at Humboldt University, Berlin, and is a Director at the Weizenbaum Institute for the Networked Society. After his habilitation in Bayreuth, he worked at the University of Basel from 2012, initially as an associate professor for private law with a focus on life sciences law, and from 2015 as a full professor for life sciences law and intellectual property law. His focus is on technology law, intellectual property and digitalization.

Daniela Zetti is a historian of media technology at the University of Lübeck. Recent publications: Bory, Paolo, and Daniela Ze. 2022. "Digital Federalism. Balancing Autonomy, Authority and Automation" 2024. "Writing the History of Computing: The First Half Century." In *Writing Computer and Information History. Approaches, Connections, and Reflections*, edited by William Aspray, 163–90. Lanham: Rowman & Littlefield.