Biographies

Alexander, V. N. is a philosopher of science, author of The Biologist's Mistress: Rethinking Self-Organization in Art, Literature and Nature. She is a Rockefeller Foundation Bellagio Center alum, former Public Scholar for the NY Council for the Humanities, member of the Third Way of Evolution group, and a director at the Dactyl Foundation. She is on the editorial boards of Biosemiotics journal (Springer Publishing) and Meaning Systems book series (Fordham University Press). Her work in saltational evolutionary theory appears in Fine Lines: Vladimir Nabokov's Scientific Art, published by Yale University Press. Alexander will work as a Digital Humanities Fulbright Scholar in Saint Petersburg, Russia in 2020.

Beverungen, Armin is (since October 2019) Junior Professor for Organisation in Digital Cultures at Leuphana University of Lüneburg, and has held previous research and teaching positions at the University of the West of England, Leuphana University and the University of Siegen. He is a founding co-editor of the journal *spheres: Journal for Digital Cultures* (www.spheres-journal.org) and the book series Digital Cultures (meson press). During the summer of 2019 he was a fellow at the Center for Advanced Internet Studies in Bochum. His research takes place at the interstices of media and organization studies, and is currently focused on the phenomenon of algorithmic management. His most recent publications include *Markets* (with Jens Schröter/Phil Mirowski/Edward Nik-Khak, meson press and University of Minnesota Press) and an edited issue of *Organization* on the theme of "the organizational powers of digital media" (with Lisa Conrad/Timon Beyes).

Burkhardt, Marcus is postdoctoral research associate at the chair for Digital Media and Methods at the University of Siegen. His research focuses on the history and theory of digital media, especially the kogi(sti)cs of database technologies, big data, and algorithmic environments as well as on media of knowledge production and dissemination, media philosophy and media theory.

Dippel, Anne is Scientific Researcher and Lecturer at the Department for Cultural Anthropology and Cultural History of Friedrich-Schiller-University Jena. She worked at the Custer of Excellence Image-Knowledge-Gestalt of Humboldt-University Berlin, has been research fellow at the Institute for the Advanced Studies

of Media Cultures and Computer Simulations (mecs), Leuphana University Lüneburg, and has been visiting assistant professor at the Science, Technology and Society Programme at MIT, and for the time of her field work an associated member of CERN collaboration. Dippel, A. (2017). Das Big Data Game. Zur spielerischen Konstitution kollaborativer Wissensproduktion in der Hochenergiephysik am CERN. In: *NTM 4/2017*, 485 -517. Dippel, A. & Warnke M. (Ed.) (2017). *Interferences and Events. Epistemic Shifts in Physics through Computer Simulations*. Lüneburg: Meson Press. Dippel, A. Arbeit (2018). In: Markus Rautzenberg, Daniel Martin Feige, Michael Ostritsch (Hrsg.): *Philosophie des Computerspiels*. Stuttgart: Metzler Verlag, 123-148.

Djeffal, Christian is Professor for Law, Science, and Technology at Technical University Munich. He focuses on the relationship between law, technology and society. He is specifically interested in new technologies like artificial intelligence and the internet of things. His interdisciplinary research addresses constitutional law, regulation and standards. Christian received his PhD from Humboldt University of Berlin for his thesis "Static and Evolutive Treaty Interpretation: A Functional Reconstruction" which was published by Cambridge University Press. As a Postdoc, he coordinated the research group "Global Constitutionalism and the Internet" at Alexander-von-Humboldt-Institute for Internet and Society.

Förster, Yvonne works as a Research Professor at Shanxi University, China and teaches Philosophy at Leuphana University Lüneburg, Germany. She received her PhD at the Friedrich-Schiller-University Jena on *Experience and Ontology of Time* (*Zeiterfahrung und Ontologie*, München: Fink 2012). As a visiting professor, she has taught aesthetics at Bauhaus University Weimar and been recently awarded Senior Research Fellowships at two Institutes for Advanced Studies (*Media Cultures of Computer Simulation* at Leuphana and *Cultural Sciences* at University of Konstanz). Her research focuses on philosophy of technology, aesthetics, phenomenology, and fashion as art. For more information see: www.yvonnefoerster.com

Großmann, Jürgen, Dr.-Ing. is an expert on model-based development, model driven testing as well as in security engineering and security testing. Furthermore, Jürgen Großmann has experiences in testing and modeling automotive software systems and applications, especially ITS systems. He has extensive experience in developing test benches and test laboratories for conformance and interoperability testing in this area. Jürgen Großmann has experiences in numerous standardization activities for various standardization bodies, including OMG, ETSI, ASAM and AUTOSAR.

Matzner, Tobias is professor for "Media, Algorithms and Society" at Paderborn University in Germany. His research focuses on the intersection of digital technology, culture, politics and ethics. Recent publications include: The Human is Dead—Long Live the Algorithm! Human-algorithmic ensembles and liberal subjectivity. In: *Theory, Culture & Society* online first 2019. "Grasping the ethics and politics of algorithms". In *The Politics and Policies of Big Data*. Ed. by Ann Rudinow Sætnan, Ingrid Schneider und Nicola Green. London: Routledge 2018.

McQuillan, Dan is Lecturer in Creative & Social Computing at Goldsmiths, University of London. After his Ph.D in Experimental Particle Physics he worked in learning disabilities and mental health, and later in human rights. His research interests include the social impact of AI and the practice of radical citizen science. Recent publications include "People's Councils for Ethical Machine Learning", "Data Science as Machinic Neoplatonism" and "Algorithmic States of Exception". A selection of his public writings can be found athttps://www.opendemocracy.net/en/author/dan-mcquillan/

Monea, Alexander is Assistant Professor at George Mason University, serving jointly in the English Department and Cultural Studies PhD Program. He researches the history and cultural impacts of computation, algorithms, and big data. His current book project examines how heteronormative biases get embedded in the machine vision algorithms and content filters that control the flow of internet communications. He has previously published papers in *Computational Culture* and *Cultural Studies ↔ Critical Methodologies* that examine the power of graph databases and that examine the implementation of Google's Knowledge Graph for the mapping of web semantics. He has also co-authored with Jeremy Packer an article for *The International Journal of Communication* on what they term 'media genealogy', a methodology for examining the emergence of technologies with a focus on their political and social impacts. Recent Publications: Monea, A. (2016). Graph Force: Rhetorical Machines and the *N*-Arization of Knowledge. *Computational Culture, 5*. Monea, A. (2016). The Graphing of Difference: Numerical Mediation and the Case of Google's Knowledge Graph. *Cultural Studies ↔ Critical Methodologies, 16*(5), 452-461. Monea, A. & Packer, J. (2016). Media Genealogy and the Politics of Archaeology. *The International Journal of Communication, 10*, 3141–3159.

Morin, Kevin is PhD Candidate at the National Institute for Scientific Research in Canada. His work is about innovation ecosystem in digital domain such as machine learnings and artificial intelligence. Mixing approach from STS and Critical Theory, his thesis describes the regimes of justification, actor networks, discourses and the digital culture of technosystem such as AI development.

Pasquale, Frank researches the law of big data, artificial intelligence, and algorithms. He has testified before or advised groups ranging from the US Department of Health and Human Services, House Judiciary Committee, and Federal Trade Commission, as well as directorates-general of the European Commission. He is the author of The Black Box Society (Harvard University Press, 2015), which has been translated into Chinese, Korean, French, and Serbian. The book developed a social theory of reputation, search, and finance. He has served on the NSF-sponsored Council on Big Data, Ethics, & Society. He has spoken on data policy at many universities and public lectures. Frank has co-authored a casebook on administrative law and co-authored or authored over 50 scholarly articles. He co-convened the conference "Unlocking the Black Box: The Promise and Limits of Algorithmic Accountability in the Professions" at Yale University. He is now at work on a book tentatively titled Laws of Robotics: The Future of Professionalism in an Era of Automation (under contract to Harvard University Press).

Reutter, Lisa is a Ph.D. student at the Department of Sociology and Political Science at NTNU, Trondheim, currently researching the application and use of machine learning in the Norwegian public sector. She is in addition part of the "Digital Infrastructures and Citizen Empowerment (DICE)" research project.

Rieger, Stefan studied German language and literature and philosophy. He wrote his dissertation on baroque data processing and mnemonics and his habilitation thesis on the relationship between media and anthropology (Die Individualität der Medien. Eine Geschichte der Wissenschaften vom Menschen, Frankfurt/M. 2001). Current research areas are: History of science, media theory, and cultural techniques. Since 2007, he is Professor of Media History at the Ruhr-Universität Bochum. Recent book publications: *Bunte Steine. Ein Lapidarium des Wissens* (Berlin: Suhrkamp 2014, mit Benjamin Bühler) and *Die Enden des Körpers. Versuch einer negativen Prothetik*, Wiesbaden: Springer.

Roberge, Jonathan is Associate Professor of cultural and urban sociology at the Institut National de la Recherche Scientifique, where he also holds the Canada Research Chair in Digital Culture. He is among the first scholars in North America to have critically focused on the production of algorithms, a research agenda which culminated into a book entitled Algorithmic Cultures (Routledge, 2016, translated into German at transcript Verlag, 2017). He currently works on a manuscript entitled The Cultural Life of Machine Learning to be out early in 2020 at Palgrave MacMillan (together with Micheal Castelle). Recent Publications: SEYFERT, R. et ROBERGE, J. (eds), Algorithmic Cultures. Essays on Meaning, Performance and New Technologies, London, Routledge, 2016.; ROBERGE, J. et MELANÇON, L., "Being the King Kong of Algorithmic Culture is a Tough Job After All. Google's Re-

gimes of Justification and the Meanings of Glass", Convergence. The International Journal of Research into New Media Technologies, vol. 23, no 3, 2017, pp. 306-324.

Schieferdecker, Ina, Prof. Dr.-Ing., is Co-Director of Fraunhofer FOKUS, Berlin and Professor for Quality Engineering of Open Distributed Systems at the Technische Universität Berlin. She is also Director of the Weizenbaum Institute for the Networked Society, the German Internet-Institute in Berlin. Her research interests include (urban) data platforms, critical infrastructures as well as conformity, interoperability, security, reliability and certification of software-based systems. She is President of the Association for Software Quality and Education (ASQF), member of the German National Academy of Science and Engineering (acatech), of the German Advisory Council on Global Change (WBGU), and member of the "Hightech Strategy 2025" of the Federal Ministry of Education and Research.

Schneider, Martin A. is engaged in advanced testing methods and techniques and works on model-based testing techniques for security aspects based on different fuzzing techniques, security test patterns and security testing metrics and on the integration of other methods like the risk analysis in order to increase the efficiency of fuzz testing. By that, he develops and evaluates innovative security test methods in the frame of various industrial domains with special focus on complex systems, cyber-physical systems and service-oriented architectures.

Schröter, Jens, Prof. Dr., is chair for media studies at the University of Bonn since 2015. He was Professor for Multimedial Systems at the University of Siegen 2008-2015. He was director of the graduate school "Locating Media" at the University of Siegen from 2008-2012. He is member of the DFG-graduate research center "Locating Media" at the University of Siegen since 2012. He was (together with Prof. Dr. Lorenz Engell, Weimar) director of the DFG-research project "TV Series as Reflection and Projection of Change" from 2010-2014. He was speaker of the research project (VW foundation; together with Dr. Stefan Meretz; Dr. Hanno Pahl and Dr. Manuel Scholz-Wäckerle) "Society after Money—A Dialogue", 2016-2018. Since 4/2018 director (together with Anja Stöffler, Mainz) of the DFG-research project "Van Gogh TV. Critical Edition, Multimedia-documentation and analysis of their Estate" (3 years). Since 10/2018 speaker of the research project (VW foundation; together with Prof. Dr. Gabriele Gramelsberger; Dr. Stefan Meretz; Dr. Hanno Pahl and Dr. Manuel Scholz-Wäckerle) "Society after Money—A Simulation" (4 years). April/May 2014: „John von Neumann"-fellowship at the University of Szeged, Hungary. September 2014: Guest Professor, Guangdong University of Foreign Studies, Guangzhou, People's Republic of China. Winter 2014/15: Senior-fellowship at the research group „Media Cultures of Computer Simulation", Summer 2017: Senior-fellowship IFK Vienna, Austria. Winter 2018: Senior-fellowship IKKM

Weimar. Recent publications: (together with "Project Society after Money") Post-monetär denken, Wiesbaden: Springer 2018; (together with "Project Society after Money"): Society after Money. A Dialogue, London/New York: Bloomsbury 2019; (together with Armin Beverungen, Philip Mirowski, Edward Nik-Khah): Markets, Minneapolis/London: University of Minnesota Press and Lüneburg: Meson (Series: In Search of Media). Visit www.medienkulturwissenschaft-bonn.de / www.theo rie-der-medien.de / www.fanhsiu-kadesch.de

Senneville, Marius is an Urban studies M.A. student at INRS, where he works on the AI ecosystems of Montreal and Toronto. With an approach informed by both STS and the study of corporate governance, he focuses on the various configurations of collaborative work between industrial and academic scientists and the way they impact the research being produced.

Spilker, Hendrik Storstein is professor in the sociology of media and technology at the Department of Sociology and Political Science at NTNU, Trondheim. He has written several books and articles about the cultural politics of Internet and digitalization, including "Digital Music Distribution: The Sociology of Online Music Streams" (Routledge, 2018) and is currently heading a large research project on "Digital Infrastructures and Citizen Empowerment (DICE)."

Sudmann, Andreas worked in Göttingen, Regensburg, Vienna, and Berlin, and currently teaches and researches as an adjunct professor (*Privatdozent*) of media studies at the Ruhr University Bochum, where he also completed his habilitation in 2016. Most recently, he held a guest professorship in media studies at the Philipps University in Marburg followed by a research fellowship at the IFK in Vienna. Current research foci include media-theoretical and historical problems of artificial intelligence (AI), specifically machine-learning methods, aesthetics and politics of popular, and technical/digital visual media, forms and processes of seriality and documentary, media theory, and media critique. Sudmann is the author of several books and edited collections in the field of media studies and digital culture studies, among them *Computer Games as a Sociocultural Phenomenon* (published with Palgrave Macmillan in 2008) and *Digital Seriality* (special-issue of *Eludamos. Journal for Computer Game Culture*, 2014). His new book *Serielle Über-bietung. Zur televisuellen Ästhetik und Philosophie exponierter Steigerungen* (*Serial Out-bidding: The Televisual Aesthetics and Philosophy of Ostentatious Escalation*) has been published by Metzler (Stuttgart) in October 2017. Together wie Christoph Enge-mann, he has co-edited the anthology *Machine Learning. Medien, Infrastrukturen und Technologien der Künstlichen Intelligenz* (Machine Learning. Media, Infrastructures, and Technologies of AI).

Volmar, Axel is a postdoctoral fellow at the Collaborative Research Centre "Media of Cooperation" (SFB 1187 Medien der Kooperation) at the University of Siegen. He has been a Mellon Postdoctoral Fellow in the Department of Art History and Communication Studies at McGill University (2014-2016). His current research interests reside at the intersections of media studies, history of science, and sound studies and focus on the history of audiovisual telecommunications. He is the author of *Klang-Experimente. Die auditive Kultur der Naturwissenschaften 1761-1961* (Frankfurt/M: Campus, 2015) and has co-edited several special issues and collected volumes in media and sound studies. His recent publications include the collected volume *Format Matters. Theories, Histories, Practices*, co-edited with Marek Jancovic and Alexandra Schneider (Lüneburg: meson press, 2019).