About the Contributors

Steven John Thompson, PhD, is on faculty at Johns Hopkins University in the Krieger School of Arts & Sciences Advanced Academic Programs in Washington, DC, and at University of Maryland University College. His teaches media courses in Introduction to the Digital Age, Mass Media Law, and Media and Society. Steve’s expertise is in research and analysis of Internet technologies, especially as existential phenomena. In 1996, he published pioneering quantitative research on Internet addiction and dependency. Dr. Thompson’s research focuses primarily on the psychosocial, political, and policy effects of digital media on global societies. He is active internationally as a scholar on issues of digital media literacy, rhetorics, cyber-age freedom of expression, digital liberties, and media iconics and iconetics as expressed through cybersemiotics. He blogs as The Rhetorist at w8r.com.

* * *

Keith Abney was educated at Emory University, Fuller Seminary, and the University of Notre Dame. His research interests include the ethics of autonomous military robots, the ethics of human enhancement, space ethics, and other topics in the ethics and metaethics of emerging technologies. He has served on a hospital bioethics board and in his spare time enjoys being an amateur winemaker. He is co-editor (with George Bekey and Patrick Lin) of the book Robot Ethics (MIT Press, 2011).

Holger Baumann is a postgraduate researcher within the Zurich University Research Priority Program for Ethics and scientific coordinator of its network “Human Dignity in Practical Contexts” since 2009. His doctoral dissertation was about the concept of personal autonomy, and he has published several articles in this and related areas. In his recent work and publications, Baumann tries to bring together and connect general debates about the concepts of autonomy and human dignity with more specific debates within applied ethics in which these concepts are used – for example, some of his current research focuses on questions about human enhancement, organ trade, assisted suicide, and about the proper treatment and education of children.

Dev Bose, PhD, is a Lecturer in the Department of English at Iowa State University. Bose holds a Doctorate in Rhetorics, Communication, and Information Design from Clemson University. His scholarship is in disability studies and multimodal composition research, and he is an active member of the Disability Studies Special Interest Group at the Conference of College Composition and Communication (CCCC), where he is helping to draft legislation for disability accommodations at CCCC conferences. Dr. Bose is a member of the Society for Disability Studies.
Michael Burnam-Fink is a PhD candidate at Arizona State University in Human and Social Dimensions of Science and Technology. His work spans the history of medicine, science, and technology studies, encouraging innovation in assistive technologies for people with disabilities and narrative foresight methodologies. He is particularly interested in the practices of human performance enhancement. Michael was a Breakthrough Generation Fellow with The Breakthrough Institute and is a fellow with the Alliance for Person-Centered Accessible Technologies, a National Science Foundation IGERT grant.

Franco Cortese is a research scientist at ELPIs Foundation for Indefinite Lifespans, a non-profit research organization founded by biomedical gerontologist Dr. Marios Kyriazis to study interventions for aging and age-related diseases. Cortese is also an affiliate scholar of the Institute for Ethics and Emerging Technologies, where he works to analyze the philosophical, ethical, and socioeconomic implications of emerging technologies. He is the recipient of the IEET’s 2013 Editor’s Choice Award, and works with Ria University Press, The Journal of Bioelectronics and Nanotechnology, The Seasteading Institute, Brighter Brains Institute, and The Millennium Project. Franco lives in Ontario, Canada.

Marcia Alesan Dawkins, PhD, is a technology-loving, diversity-oriented intellectual entrepreneur from New York City, and communication professor at USC Annenberg in Los Angeles. An award-winning author, speaker, and educator, Dawkins understands how technology, diversity, and creative storytelling are changing who we are and how we communicate.

Dirk De Ridder, MD, PhD, is the Neurological Foundation Professor of Neurosurgery at the Dunedin School of Medicine, University of Otago in New Zealand. He is founder and director of the BRAiFN (Brain Research consortium for Advanced, Innovative, and Interdisciplinary Neuromodulation). His main interest is the understanding and treatment of phantom perceptions (sound, pain), especially by use of functional imaging navigated non-invasive (TMS, tDCS, tACS, tRNS, LORETA neurofeedback) and invasive (implants) neuromodulation techniques. He has developed “burst” and “noise” stimulation as novel stimulation designs for implants, and is working on other stimulation designs. He has published 30 book chapters, co-edited the Textbook of Tinnitus, and has authored or co-authored more than 130 PubMed listed papers, of which 100 deal with phantom sound perception. He is reviewer for 55 journals.

Mary Helen Fagan, PhD, is an Associate Professor of Information Systems & Management in the College of Business and Technology, University of Texas at Tyler. Dr. Fagan teaches courses in Introduction to Management Information Systems, E-Commerce, and Database Information Systems. She received her MBA and PhD in Information Systems from the University of Texas at Arlington. Before Dr. Fagan pursued her PhD, she worked for Andersen Consulting, now known as Accenture, a division of Arthur Andersen, helping organizations implement a wide range of information systems. Her primary research interests are concerned with the adoption and diffusion of information technologies, with research in a variety of areas (e.g., pen-based computing, teaching courseware, and electronic health records). Her research has been published in many academic journals in her field.

Elizabeth Falck is an entrepreneur, designer, and researcher based in San Francisco. Falck completed a BS at the University of Wisconsin, where she studied with groundbreaking researchers in educational gaming at the Games Learning and Society Program. She later studied exponential technologies, AI,
and human-centered design at Singularity University’s Graduate Studies Program. She has worked as a user-experience designer, filmmaker, and human-centered design specialist. Falck has co-founded several companies and nonprofits, and has built partnerships with governments and Fortune 500 companies around the world, raising capital and leading program development for her current organization, The Coalition of Innovative Development, Education, and Action.

**Shannon E. French** is the Inamori Professor in Ethics, Director of the Inamori International Center for Ethics and Excellence, and Associate Professor in the Philosophy Department at Case Western Reserve University. She has a secondary appointment as a professor in the CWRU School of Law and is a Senior Associate at the Center for Strategic and International Studies in Washington, DC. Dr. French taught for 11 years as an Associate Professor of Philosophy at the United States Naval Academy, and served as Associate Chair of the Department of Leadership, Ethics, and Law. Dr. French received her PhD in Philosophy from Brown University. Her main area of research is military ethics. She is author of *The Code of the Warrior: Exploring Warrior Values, Past and Present*; editor-in-chief for the *International Journal of Ethical Leadership*; and an associate editor for the *Journal of Military Ethics* and the *Encyclopedia of Global Justice*.

**Jean-Paul Gagnon**, PhD, is a social and political philosopher specializing in democratic theory. He joined the Australian Catholic University in 2013 as a university postdoctoral research fellow, and is based in the National School of Arts (Melbourne). He co-edits the Berghahn (Oxford, New York) journal *Democratic Theory* and also co-edits the Palgrave Macmillan book series *The Theories, Concepts, and Practices of Democracy*. His research focuses on democratic theory – especially innovations in democracy, the philosophy of democracy and democratization, and comparative democracy studies.

**Jai Galliott** is a military ethicist at Macquarie University in Sydney, Australia. He served briefly as an officer of the Royal Australian Navy prior to entering academic and is Lead Editor of Ashgate’s *Emerging Technologies, Ethics, and International Affairs* series. Galliott has published widely on the topic of emerging military technologies and is a member of the Consortium for Robotics and Unmanned Systems Education and Research (CRUSER), the Institute for Ethics and Emerging Technologies (IEET), and the Institute of Electrical and Electronics Engineers (IEEE).

**Grant Gillett**, MSc MB ChB(Auck) DPhil(Oxf) FRACS FRSNZ, is a neurosurgeon and Professor of Medical Ethics from the University of Otago Medical School, Dunedin Hospital, and Otago Bioethics Centre in New Zealand. Grant trained as a neurosurgeon in New Zealand and the United Kingdom, and holds a Doctorate in Philosophy from the University of Oxford. Grant brings a deep analytical understanding to questions at the intersection of clinical neuroscience and philosophy. Professor Gillett is the author of over 200 peer-reviewed public publications and 5 books, including *The Mind and its Discontents*. Grant’s current research interests include bioethics (end of life care, complementary and alternative medicine, autonomy, the patient’s journey), neuroethics (brain birth, brain death, PVS, and minimally conscious states, issues of free will identity and responsibility), philosophy of psychiatry (the nature of mental disorder, psychopathy, dissociative disorders), and post-structuralist philosophy (the patient’s voice, post-colonialism, human subjectivity).
Reuben Johnson, LLB, BSc(Hons), MB ChB, DPhil, FRCS (Neuro.Surg), MRSNZ, is currently Senior Lecturer and Consultant Neurosurgeon at the University of Otago, New Zealand. Reuben trained in Glasgow, London, Cambridge, Oxford, and Melbourne. He is a molecular neurobiologist, having completed a DPhil in the Department of Human Anatomy and Genetics in Oxford. Reuben has a dual qualification in law with a LLB from the University of London. He completed a Fellowship in Minimally Invasive Spinal Surgery and Scoliosis Surgery in Italy with Prof. Massimo Balsano in Alto Vincentino, and a Fellowship in Endoscopic Pituitary Surgery with Simon Cudlip at the John Radcliffe in Oxford. Reuben is the author of numerous peer-reviewed articles on neurosurgery. He is author and editor of four books in surgery, including the best-selling *Landmark Papers in Neurosurgery* by Oxford University Press, which he authored and co-edited with Alex Green from Oxford.

Joanna Kulesza, PhD, specializes in international Internet law. She is the author of *International Internet Law* (Routledge 2012), four monographs on international and Internet law, and over 30 peer-reviewed articles in Polish and English. She has been an invited lecturer with the Oxford Internet Institute, Norwegian Research Center for Computers and Law, Westfälische Wilhelms Universität Münster, and Justus-Liebig-Universität Gießen. She was a post-doctoral researcher at the University of Cambridge and Ludwig-Maximilians-Universität München, as well as a scholar of the Robert Bosch Stiftung, Polish Ministry of Foreign Affairs, Internet Governance Project, and the Foundation for Polish Science. She worked for the European Parliament, Polish Ministry of Foreign Affairs, and the Council of Europe. She currently is the Membership Committee Chair of the Global Internet Governance Academic Network (GigaNet). She is an assistant professor of international law at the Faculty of Law and Administration, University of Lodz, Poland and just finished a monograph on international law principle of due diligence.

Alexander LaCroix is a litigator at Jones, Skelton, and Hochuli in Phoenix, Arizona. He graduated from the Sandra Day O’Connor College of Law in 2012, where he contributed to “Enhanced Warfighters: Risk, Ethics, and Policy” (The Greenwall Foundation, 2013), a funded report in the area of technology ethics. He has delivered keynotes and presentations on cognitive enhancement at Arizona State University and the University of Arizona.

Patrick Lin, PhD, is the director of the Ethics + Emerging Sciences Group at California Polytechnic State University, San Luis Obispo, where he is an associate philosophy professor. He holds appointments at Stanford’s School of Engineering; Stanford Law School’s Center for Internet and Society; Consortium for Emerging Technologies, Military Operations, and National Security; University of Notre Dame’s Emerging Technologies of National Security and Intelligence; and Australia’s Centre for Applied Philosophy and Public Ethics. Previously, he held positions at the U.S. Naval Academy and Dartmouth College. Dr. Lin has published extensively in technology ethics. Dr. Lin has delivered invited talks and briefings on emerging military technologies to policy, defense, intelligence, and scientific organizations internationally. He earned his BA from University of California Berkeley and PhD from University of California Santa Barbara.

Brett Lunceford, PhD, The Pennsylvania State University, is a rhetorician who focuses on the intersections between the body, sexuality, and technology. He is the author of the book *Naked Politics: Nudity, Political Action, and the Rhetoric of the Body*, and more than two dozen articles and book
chapters. His work has appeared in such journals as *Communication Law Review, ETC: A Review of General Semantics, Explorations in Media Ecology, Journal of Contemporary Rhetoric, Review of Communication,* and *Theology & Sexuality.* He is the current editor of *Journal of Contemporary Rhetoric,* and serves as Technology Officer for the Media Ecology Association. And, for the record, he has not had any cosmetic surgery.

**Vincent Menuz** is a research associate at the Universities of Montreal (OMICS-ETHICS group) and Zürich (Institut für Biomedizinische Ethik), as well as a biology teacher in Geneva (Collège Rousessau). After completing a PhD in biology at the University of Geneva (Switzerland) in 2008, he started a post-doctoral fellowship in bioethics in 2010 at the University of Montreal (Canada), mainly focused on ethical and social issues related to human enhancement. His current work targets both academic and lay audience. On the one hand, he explores the influence of the concept of death on the current effort to decelerate aging and extend life span. On the other hand, he presents the socio-ethical issues related to human enhancement to lay audiences. He is also a columnist for the *Huffington Post* (France) as well as co-founder, vice-president, and senior editor for *NeoHumanitas,* a Swiss think tank, whose objectives are to democratize discussions on the socio-ethical issues related to the modifications of individuals through technological interventions.

**Maxwell J. Mehlman** is Distinguished University Professor, Arthur E. Petersilge Professor of Law and Director of the Law-Medicine Center, Case Western Reserve University School of Law, and Professor of Biomedical Ethics, Case Western Reserve University School of Medicine. He received his JD from Yale Law School in 1975, and holds bachelor degrees from Reed College and from Oxford University, which he attended as a Rhodes Scholar. Professor Mehlman practiced law with Arnold & Porter in Washington, DC. His published works include *Access to the Genome: The Challenge to Equality* and, most recently, *Transhumanist Dreams and Dystopian Nightmares: The Promise and Peril of Genetic Engineering,* among others. He is the director of the Consortium on Emerging Technologies, Military Operations, and National Security, and was a principal investigator on an NIH-funded project to examine ethical, legal, and policy issues raised by the use of genomic science by the military.

**Johann A. R. Roduit** is a founding member of *NeoHumanitas,* a think-tank fostering discussions about future and emerging technologies. He is finishing a doctoral dissertation in “Biomedical Ethics and Law” at the Institute of Biomedical Ethics in the University of Zurich. Funded by the Swiss National Science Foundation, Johann’s research looks at the role of the notion of perfection in the ethical debate about human enhancement. Since 2013, Johann has been the recipient of a research grant to take part in the “Academic Visitor Programme” of the Oxford Uehiro Centre for Practical Ethics. Johann’s research interests include bioethics, transhumanism, virtue ethics, ethics of human cloning, human dignity, and philosophical anthropology. A regular columnist for the *Huffington Post* and other newspapers, Johann has published in different scientific journals. He is the co-founder and curator of TEDxMartigny. He works as a scientific program coordinator at the University of Zurich.

**Seth Schuknecht** practices in the areas of commercial litigation, intellectual property, and aviation, aerospace, and autonomous systems. Prior to law school, Schuknecht served as a Naval Aviator for nine years on active duty in the U.S. Navy. His various assignments included selection and service as
an instructor pilot at every operational squadron he was assigned. Schuknecht holds a civilian Airline Transport Pilot (ATP) Certificate with type ratings in five different aircraft. He received his BA with merit from the United States Naval Academy and his JD, cum laude, from Arizona State University, Sandra Day O’Connor College of Law.

Kevin A. Thayer received his PhD in Communication and Rhetoric from Rensselaer Polytechnic Institute in 2012. His dissertation, “Cyborg Metapathography in Michael Chorost’s Rebuilt: Introducing the Cyborg Patient as Transhumanist Rhetor,” pioneered an area of rhetoric at the intersection of rhetoric of the body, the rhetoric of medicine, and rhetoric of the cyborg. In 2013, he published the essay “Beyond Cyborg Metapathography in Michael Chorost’s Rebuilt to World Wide Mind: Introducing ‘Morphos’ as a Rhetorical Concept in Cyborgography” in a special edition of Teknokultura entitled, “Cyborgs, Power, and Art: Race, Gender, and Class.” He is currently a Cyborg Narrative Researcher at Cyborg-X.com.

Deniz Tunçalp, PhD, is an Assistant Professor of Management at Istanbul Technical University, Turkey, and teaches courses in the Faculty of Management at the Department of Management Engineering on Management and Organizations and Organization Theory. Dr. Tunçalp received his PhD in Management from Sabancı University. He worked for Gartner Group, META Group, Turkcell Mobile, and in strategic consulting, product management, and marketing fields. His primary research interests include organizational responses to technological change and qualitative research methods. Dr. Tunçalp has studied organizational adaptation to technology in different organizational situations at different levels of analysis. His research has been published in a number of academic journals in his field, such as Operations Research and Journal of Organizational Ethnography.

Shannon Vallor, PhD, is Associate Professor of Philosophy at Santa Clara University in Silicon Valley, where she studies the ethics of emerging technologies. She is co-leader of an interdisciplinary NSF project on big data and geospatial privacy, and author of a forthcoming book, 21st Century Virtue. In collaboration with SCU’s Markkula Center for Applied Ethics and Princeton Computer Scientist Arvind Narayanan, she recently developed a free online teaching module on software engineering ethics, now used by 21 universities on 5 continents. She is President-Elect of the Society for Philosophy and Technology and a member of the research initiative on Emerging Technologies of National Security and Intelligence (ETNSI) hosted by the University of Notre Dame’s Reilly Center for Science, Technology, and Values.

Samuel Wilson, PhD, is a Research Fellow at the Swinburne Leadership Institute at Swinburne University of Technology. He received his PhD in Social Psychology from the University of Melbourne. After spending a year as a Post-Doctoral Research Fellow at the Melbourne Sustainable Society Institute at the University of Melbourne, Samuel joined Monash University’s School of Psychology and Psychiatry as Lecturer in Psychology for two years, before moving to his present role. His research has been published in a number of journals including the British Journal of Social Psychology, Ecology, and Society, and Social Networks, as well as in the Handbook of Research on Technoself: Identity in a Technological Society. His research examines folk beliefs about humanness, especially in the context of human enhancement, conceptions of humanness in the Anthropocene, and the causes and consequences of self-continuity, especially as it relates to sustainability transitions and leadership for the public good.