BRUSSELS PRIVACY SYMPOSIUM
AI ETHICS: THE PRIVACY CHALLENGE

November 6, 2017 • Vrije University Brussel
Rome and Lisbon Conference Room
Institute of European Studies, Pleinlaan 5, 1050, Brussel, Belgium

Presented by

In partnership with

Speaker Bios

Martin Abrams
Chief Strategist and Executive Director
Information Accountability Foundation

Martin Abrams is Executive Director and Chief Strategist at The Information Accountability Foundation. He has over 35 years of experience as an information and consumer policy innovator. Multi-stakeholder collaboration has been a key for Abrams in developing practical solutions to dilemmas in information policy.

His most recent work has been on big data governance and privacy compliance driven by demonstrable data stewardship. Abrams paper, "The Unified Ethical Frame for Big Data Analysis" created the way forward for ethical based assessment when using advanced analytics ("big data"), and a means for broadening the use of the European concept of legitimate interests. Recently he led a project to build ethical considerations into legitimate interests assessments. This follows a Canadian project that designed an ethical based assessment process when consent is not fully effective in protecting individuals. The IAF recently received a grant from the Office of the Privacy Commissioner of Canada to lead a dialogue on how such assessments might be overseen.

In 2017, Abrams and the IAF have turned to building ethics into privacy by design for artificial intelligence releasing "Artificial Intelligence, Ethics and Enhanced Data Stewardship" as part of the 39th International Conference of Data Protection and Privacy Commissioners.

Abrams led the Global Accountability Project, which has refined the accountability principle that is part of various data protection laws and guidance documents. The IAF is the incorporation of that dialogue. All the IAF's work is an extension of accountability concepts, including the creation of a data taxonomy that was used in setting the bright line rules by the EU Working Party 29 for data portability.

Abrams has organised conferences and seminars on every continent. He was the principle advisor to the International Conference of Data Protection and Privacy Commissioners in 2011 in Mexico City and is

currently on the program committee for the 2017 conference to be held in Hong Kong. He is the co-convener for the annual International Data Protection Conference in Colombia.

Prior to his work at the foundation, Abrams was the co-founder and President of the Centre for Information Policy Leadership at Hunton & Williams LLP, which he led for 13 years. Prior to that, he was Vice President of Information Policy at Experian and Director of Information Policy at TRW Information Systems, where he designed one of the earliest privacy impact assessment tools. He also chaired their Consumer Advisory Council. Abrams began his consumer policy work at the Federal Reserve Bank of Cleveland, where he was Assistant Vice President and Community Affairs Officer. At the Federal Reserve Bank, he drove collaboration by helping banks and the communities they serve find their intersection of self-interest.

Abrams continues to seek practical solutions to assure information driven innovation with personal dignity at The Information Accountability Foundation.

Micah Altman
Director of Research and *Head/Scientist, Program on Information Science*
Massachusetts Institute of Technology

Dr. Micah Altman is *Director of Research* and *Head/Scientist, Program on Information Science* for the MIT Libraries, at the *Massachusetts Institute of Technology*. Previously Dr. Altman served as a *Non-Resident Senior Fello*w at *The Brookings Institution, and at* Harvard University as the Associate Director of the Harvard-MIT Data Center, Archival Director of the Henry A. Murray Archive, and Senior Research Scientist in the Institute for Quantitative Social Sciences.

Dr. Altman conducts work primarily in the fields of social science, information privacy, information science and research methods, and statistical computation -- focusing on the intersections of information, technology, privacy, and politics; and on the dissemination, preservation, reliability and governance of scientific knowledge.

Norberto Andrade
Privacy and Public Policy Manager
Facebook, Inc.

Norberto Andrade is a Privacy and Public Policy Manager at Facebook, covering AI and Data Ethics. He is also an Affiliated Scholar at Stanford Law School - Center for Internet & Society (CIS). Previously, Norberto was a Postdoctoral Research Scholar at UC Berkeley School of Law, where he worked at the Berkeley Center for Law and Technology (BCLT); a Legal Foresight Fellow at The Hague Institute for the Internationalisation of Law; and a Visiting Scholar at the Singapore Internet Research Centre of Nanyang Technological University. Norberto has also hold corporate positions in policy and privacy at Mozilla and Workday, and scientific research roles at the European Commission. Norberto holds a PhD in Law, Policy and Technology from the European University Institute (Italy), and he has successfully published numerous academic articles, reports and book chapters in the field of Law & Technology.

Reuben Binns
Postdoctoral Researcher, Computer Science
University of Oxford

Dr. Reuben Binns is a postdoctoral researcher in Computer Science at the University of Oxford. He is currently funded by the EPSRC's PETRAS Internet of Things Research Hub project 'Respectful Things in Private Spaces'. His research interests include technical, legal and ethical aspects of privacy, machine learning, and decentralised systems. From 2011-2015 he undertook a PhD in Web Science at the University of Southampton. Mr Binns' recent work has focused on two strands: human factors of third-party tracking on the web, mobile and Internet-of-Things devices; and transparency, fairness and accountability in profiling and machine learning. Most of his recent papers can be found on Scholar.

Frederik Zuiderveen Borgesius
Researcher
Institute for Information Law (IViR), University of Amsterdam

Dr. Frederik Zuiderveen Borgesius is a researcher at the Institute for Information Law (IViR) of the University of Amsterdam. His research interests include profiling, privacy, data protection law, freedom of expression, and discrimination. He has published widely on these topics. He regularly presents at national and international conferences, and he has presented for the Dutch and the European parliaments.

He obtained his Research Master's degree in Information Law at IViR, and studied for one semester at Hong Kong University. During his Master's, he worked at SOLV Attorneys, a law firm dedicated to technology, media and communications. He also spent a semester at New York University for research.

His book 'Improving Privacy Protection in the Area of Behavioural Targeting' was published in 2015. He is a member of the editorial committee of the European Data Protection Law Review, of the Dutch journal Computerrecht, and of the Meijers Committee, an independent group of experts in the field of European criminal, migration, refugee, privacy, non-discrimination and constitutional law. Currently, Frederik is working on the interdisciplinary Personalised Communication project, a joint initiative of the Institute for Information Law and the Amsterdam School of Communication Research (ASCoR). In 2017, he wrote a report on the European Commission's proposal for an ePrivacy Regulation for the European Parliament.

1 January 2018 Frederik starts a 2-year Marie Curie fellowship at the LSTS interdisciplinary Research Group on Law Science Technology & Society, of the VUB Free University Brussels. He will focus on machine learning and automated profiling, and the risks of unfair and illegal discrimination in that context. More information can be found at www.ivir.nl/employee/zuiderveen-borgesius or https://twitter.com/FBorgesius.

Nozha Boujemaa
Director of DATAIA Institute
Inria

Director of Research, advisor to the Chairman and the CEO of Inria in Data Science with concern to the socioeconomic impact of Big Data and fostering AI capabilities. Director of I2DRIVE "Interdisciplinary Institute for Data Research: Intelligence, Value and Ethics", French Convergence Institute on Data Science and its Interfaces recently accepted by the French government and founded by

academic partners of University Paris-Saclay. Project leader of TransAlgo scientific platform for algorithmic systems transparency and accountability. Scientific Head of IMEDIA research group for over 10 years (till 2010) and the Director of Inria Saclay Research Center for 5 years (till 2015).

Knight of the National Order of Merit, Founding Director of Digital Society Institute (ISN), Elected Member of the Board of Directors of Big Data Value Association, General-chair of European Big Data Value Forum 2017 (Versailles), International Advisor for Japanese Science and Technology Agency Program "Advanced Core Technologies for Big Data Integration" (PI: Prof. Kitsuregawa), Member of the board of Data Transparency Lab, Member of the Scientific Councils of INRA, CentraleSupélec, SystemX and Member of the Strategic Orientation Council of Institut Français.

Julie Brill
Corporate Vice President and Deputy General Counsel
Microsoft Corporation

Julie Brill was sworn in as a Commissioner of the Federal Trade Commission on April 6, 2010, and served through March 31, 2016. Commissioner Brill worked actively on issues of critical importance to today's consumers, including protecting consumers' privacy, encouraging appropriate advertising substantiation, guarding consumers from financial fraud, and maintaining competition in industries involving health care and high-tech.

In 2014, she received the Privacy Leader of the Year Award from the International Association of Privacy Professionals. Upon leaving the Commission on April 1, 2016, Commissioner Brill became the Co-Director of the Global Privacy and Cybersecurity Practice of Hogan Lovells, a global law firm. She served in that role through July 7, 2017. On August 14, 2017, Commissioner Brill became Corporate Vice President and Deputy General Counsel for Global Privacy and Regulatory Affairs at Microsoft.

Commissioner Brill is an advocate of protecting consumers' privacy, especially with new online and mobile technologies, and supports the creation and implementation of mechanisms to give consumers better information and control over the collection and use of their personal online information. In her speeches, publications and meetings with a wide variety of stakeholders, Commissioner Brill calls on industry and policymakers to improve privacy by developing practical solutions rooted in both consumer protection and competition principles.

Commissioner Brill was named "one of the 50 most powerful people in health care (link is external)". She advocates for effective antitrust enforcement in the health care and high-tech sectors. She wrote the Commission's unanimous decision in ProMedica, dissolving the merger of two hospitals in Toledo, Ohio. Commissioner Brill's ProMedica decision was recently upheld on appeal by the U.S. Court of Appeals for the Sixth Circuit.

Prior to becoming a Commissioner, Ms. Brill was the Senior Deputy Attorney General and Chief of Consumer Protection and Antitrust for the North Carolina Department of Justice. Commissioner Brill has also been a Lecturer-in-Law at Columbia University's School of Law. Before serving as Chief of Consumer Protection and Antitrust in North Carolina, Commissioner Brill served as an Assistant Attorney General for Consumer Protection and Antitrust for the State of Vermont for over 20 years. Prior to coming to the Vermont Attorney General's office, Commissioner Brill was an associate at Paul, Weiss, Rifkind, Wharton & Garrison in New York. She clerked for Vermont Federal District Court Judge Franklin S. Billings, Jr. Commissioner Brill graduated, magna cum laude, from Princeton University, and from New York University School of Law, where she had a Root-Tilden Scholarship for her commitment to public service.

Anna Buchta
Deputy Head of the "Policy and Consultation" Unit
European Data Protection Supervisor

Anna Buchta is the Deputy Head of the "Policy and Consultation" Unit in the European Data Protection Supervisor's office in Brussels. She is coordinating the EDPS work on providing advice to EU institutions and bodies on legislative and policy proposals with impact on personal data protection, and has a leading role in the EDPS litigation practice. Previously, Anna worked for the European Commission, dealing with data privacy in electronic communications and later with data protection aspects of cross-border data exchanges in the public sector. Before that, she worked as a researcher at ICRI, the Interdisciplinary Centre for Law and ICT at the Catholic University of Leuven (Belgium) and as a lawyer with Baker & McKenzie Warsaw (Poland). She has extensive experience in EU data protection and privacy regulations, EU institutional law, litigation before the CJEU, as well as first-hand knowledge of the EU legislative process. Anna has a master's degree in Law from the University of Warsaw (Poland) and a Master of Laws (LL.M.) degree from the K.U. Leuven (Belgium).

Corinna Schulze
Director, EU Government Relations, Global Corporate Affairs
SAP

Corinna Schulze is Director, EU Government Relations, Global Corporate Affairs at SAP. In her current position she is responsible for public policy matters related to Data Privacy and Security. She follows closely the current revision of the general data protection directive at European level as well as looking into data protection aspects related to security matters (e.g. how to ensure an adequate level of data protection in law enforcement, border control management, surveillance). Her fields of expertise are data protection, privacy, law enforcement, cyber security. Corinna also participates in the Big Data Value Association (BDVA), which presents the industry-led contractual counterpart to the European Commission for the implementation of the Big Data Value Public Private Partnership. The objective of the BDVA is to boost European Big Data Value research, development and innovation and to foster a positive perception of Big Data Value. Corinna holds a law degree with the University of Münster, Germany and her bachelor law degree with the district court of Düsseldor.

Paul De Hert
Law Science and Technology Society (LSTS)
Vrije Universiteit Brussel

Prof. Paul De Hert's work addresses problems in the area of privacy & technology, human rights and criminal law. Currently he is expanding his scope of interest including research on issues with regard to the human rights status of the elderly and the principle of neutrality in a democratic state. To satisfy his multiple curiosities de Hert teams up regularly with other authors. A human rights approach combined with a concern for theory is the common denominator of all his work.
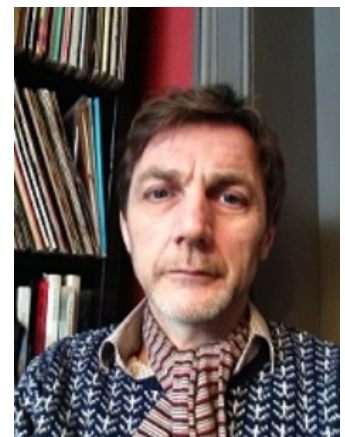
In his formative years, de Hert studied law, philosophy and religious sciences (1985-1992). After several books and articles in law and a productive decade of research for the Flemish Funds for Scientific Research, the Belgian Justice Department, the Department of Interior Affairs and the Brussels University Research Council in areas such as policing, video surveillance, international cooperation in criminal affairs and international exchange of police information, he broadened up his scope of interests and published a book on the European Convention on Human Rights (1998) and defended a doctorate in law in which he compared the constitutional strength of eighteenth and twentieth century constitutionalism in the light of contemporary social control practices ('Early Constitutionalism and Social Control. Liberal Democracy Hesitating between Rights Thinking and Liberty Thinking' (2000, Promoter: Prof. dr. Bart De Schutter (VUB)).

Currently, at Brussels, Paul De Hert holds the chair of 'Criminal Law', and 'International and European Criminal Law'. In the past he has held the chair of 'Human Rights', 'Legal theory', 'Historical introduction to eight major constitutional systems' and 'Constitutional criminal law'. He is Co-Director of the Research group Law Science Technology & Society (LSTS), Director of the Research group on human rights (HUMR), and Director of the Department of Interdisciplinary Studies of Law (Metajuridics).

Elizabeth Edenberg
Postdoctoral Fellow
Kennedy Institute of Ethics, Georgetown University

Elizabeth Edenberg is a postdoctoral fellow at Georgetown University's Kennedy Institute of Ethics. She specializes in Political Philosophy and Ethics. Her articles have appeared in *The Journal of Political Philosophy*, *Law and Philosophy*, and several edited collections. She is also co-editor, with Larry May, of *Jus Post Bellum and Transitional Justice* (Cambridge University Press). She received her PhD in Philosophy from Vanderbilt University in 2015.

Lilian Edwards
Chair of E-Governance
Strathclyde University

Edwards is a leading academic in the field of Internet law. She has taught information technology law, e-commerce law, and Internet law at undergraduate and postgraduate level since 1996 and been involved with law and artificial intelligence since 1985. Her current research interests, while broad, revolve around the topics of online privacy, intermediary liability, cybercrime, Internet pornography, digital assets and digital copyright enforcement.

She worked at Strathclyde University from 1986–1988 and Edinburgh University from 1989 to 2006. She became Chair of Internet Law at the University of Southampton from 2006–2008, and then Professor of Internet Law at the University of Sheffield until late 2010, when she returned to Scotland to become Professor of E-Governance at Strathclyde University, while retaining close links with the renamed SCRIPT (AHRC Centre) at Edinburgh . Since 2011, she has been Chair of E-Governance at Strathclyde University.

Dipayan Ghosh
Fellow, New America
Research Scholar, Harvard University

Dipayan Ghosh is a Fellow at New America, where he works on digital privacy, artificial intelligence, and civil rights. Concurrently, Ghosh is a research scholar at the Berkman Klein Center at Harvard University.

A computer scientist by training, Ghosh until recently worked on global privacy and public policy issues at Facebook, where he led strategic efforts to address public policy and technical concerns around privacy, security, telecommunications policy, and ethical design of algorithms.

Before that, Ghosh was a technology and economic policy advisor in the Obama White House. He served across the Office of Science & Technology Policy and the National Economic Council, where he worked on issues concerning big data's impact on consumer privacy and the digital economy.

Ghosh received a Ph.D. in electrical engineering & computer science at Cornell University, and later completed postdoctoral study at the University of California, Berkeley. Ghosh holds a bachelor's in electrical engineering from the University of Connecticut.

Mireille Hildebrandt
Research Professor
Vrije Universiteit Brussels

Mireille Hildebrandt started her academic life with a taste of cultural anthropology, later switching to law. She took her law degree from Leyden University in the Netherlands and defended her PhD thesis in the philosophy of criminal law at Erasmus University Rotterdam, integrating legal anthropology and legal history to develop a hermeneutic phenomenology of punishment.

Hildebrandt is a tenured Research Professor on 'Interfacing Law and Technology' at Vrije Universiteit Brussels. She work with the research group on Law Science Technology and Society studies (LSTS) at the Faculty of Law and Criminology. Se also holds the parttime Chair of Smart Environments, Data Protection and the Rule of Law at the Science Faculty, the Institute for Computing and Information Sciences (iCIS) at Radboud University Nijmegen Her research interests concern the implications of mindless artificial agency for the core tenets of constitutional democracies. Together with Serge Gutwirth she edited 'Profiling the European Citizen' (Springer 2008), with Antoinette Rouvroy 'Law, Human Agency and Autonomic Computing' (Routledge 2011), with Katja de Vries 'Privacy, Due Process after the Computational Turn' (Routledge 2013) and with Jeanne Gaakeer 'Human Law and Computer Law'. In 2015 she published her new book: 'Smart Technologies and the End(s) of Law. Novel Entanglements of Law and Technology' (Edward Elgar 2015).

Ellen Kaufman
M.A. Student
Communication, Culture and Technology, Georgetown University

Ellen Kaufman is a second year M.A. student at Georgetown University's Communication, Culture and Technology program. Prior to coming to CCT, she earned a B.A. in English and Music from Kenyon College, and also spent three years in Berlin, Germany, working in the subtitling and translation industry. Her research interest lies at the interdisciplinary nexus of human-robot interaction, privacy, sociology and ethics. Her studies thus far have focused on the ethical implications of intimate social technologies, from dating apps to robots that serve as emotional surrogates. She is also currently the Managing Editor of gnovis, CCT's peer-reviewed academic journal.

Douwe Korff
Associate
University of Oxford

Douwe Korff is a Dutch comparative and international lawyer specialising in human rights and data protection. He was Head of European Research at Amnesty International in the 70s/80s; taught in Maastricht, Essex and London; and is now emeritus professor at London Metropolitan University, while continuing to be a visiting professor at the universities of Zagreb and Rijeka in Croatia. He is an Associate of the Oxford Martin School of the University of Oxford, a Visiting Fellow at Yale University (Information Society Project), and a Fellow at the Centre for Internet and Human Rights of the European University of Viadrina, Berlin. He has carried out many studies relating to data protection for the EU, the Council of Europe, the ITU, the British Commonwealth, and the UK authorities. He gave expert evidence on surveillance to the relevant committees of the EP, PACE, and the German Bundestag. He works closely with NGOs such as Privacy International, EFF, EDRi, FIPR, etc.

Christopher Kuner
Co-Director
Brussels Privacy Hub, Vrije Universiteit Brussel

Professor Christopher Kuner is BPH Founder and Co-Director and Professor of law, he is also an affiliated lecturer in the Faculty of Law of the University of Cambridge, associate professor in the Law Faculty of the University of Copenhagen, and a Visiting Professor in the Department of Law of the London School of Economics and Political Science.

Stelios C. A. Thomopoulos
Director of Institute of Informatics and Telecommunications
National Centre for Scientific Research "Demokritos"

Prof. Stelios C. A. Thomopoulos holds a Diploma in Electrical & Mechanical Engineering (NTUA) and M.S & Ph.D. degrees in Electrical & Computer Engineering (SUNYAB). He is the Director of the Institute of Informatics & Telecommunications of NCSRD, Director of Research and Head of the Integrated Systems Laboratory (ISL) at NCSR "Demokritos" and has served also as Director of II&T from 1998-2003. He has served as a faculty with the Departments of Electrical Engineering of Penn State University and the Southern Illinois University. He was the founder and CEO of Intelnet Inc., a biometrics high tech company. Prof. Thomopoulos is credited with over 200 publications in peer reviewed professional journals and conference proceedings, scientific chapters in 8 books, and over 1100 citations. He has been a consultant and advisor to the US Air Force Predetection Fusion Program, and the governments and private industry of USA, France and Greece. He holds patent US Patent No. 5,978,495 for the design and implementation of a fingerprint recognition system. He participated as a premier consultant and advisor to the US Air Force Predetection Fusion Program and has been consulting for the government and private industry in the USA, France and Greece. His Generalized Evidence Processing (GEP) theory has been cited in all three most recent books on Data Fusion and his Sensor Fusion theory as one of the fundamental theories in sensor networks by the NIST (National Institute of Standards & Technology (NIST) Wireless Communication technologies group. He is the principle designer of Intelnet's SmartBoard®,Ver-i- Fus® integrated biometric access control and information monitoring and management system, and the Fus-A- Fis® automated fingerprint recognition system. He holds US Patent No. 5,978,495 for the design and implementation of a fingerprint recognition system. Prof. Thomopoulos has led as Coordinator and/or participated as Scientific Coordinator in over 47 European, US and nationally funded projects, including the EU funded and flagship, EU award winning project OPTI-TRANS (FP7-GALILEO-228382).

Riccardo Masucci
Global Director of Privacy Policy
Intel Corporation

Riccardo Masucci is Global Director of Privacy Policy at Intel Corporation. In his capacity he focuses on privacy legislation and policy developments across different world regions, especially in relation to new technologies such as automated driving, drones, artificial intelligence and blockchain.

Jules Polonetsky
CEO
Future of Privacy Forum

Jules serves as CEO of the Future of Privacy Forum, a Washington, D.C.-based non-profit organization that serves as a catalyst for privacy leadership and scholarship, advancing principled data practices in support of emerging technologies. FPF is supported by the chief privacy officers of more than 130 leading companies, several foundations, as well as by an advisory board comprised of the country's leading academics and advocates. FPF's current projects focus on Big Data, Mobile, Location, Apps, the Internet of Things, Wearables, De-Identification, Connected Cars and Student Privacy.

Jules previous roles have included serving as Chief Privacy Officer at AOL and before that at DoubleClick, as Consumer Affairs Commissioner for New York City, as an elected New York State Legislator and as a congressional staffer, and as an attorney.

Jules has served on the boards of a number of privacy and consumer protection organizations including TRUSTe, the International Association of Privacy Professionals, and the Network Advertising Initiative. From 2011-2012, Jules served on the Department of Homeland Security Data Privacy and Integrity Advisory Committee. Jules is a member of The George Washington University Law School Privacy and Security Advisory Council. Jules is a regular speaker at privacy and technology events and has testified or presented before Congressional committees and the Federal Trade Commission.

Aurélie Pols
Mind Your Privacy and Co-Chair to IEEE's P7002 on Personal Data Privacy

Aurélie Pols designs Data Privacy best practices: documenting data flows in order to limit Privacy backlashes, minimising risk related to ever increasing data uses while solving for data quality. The most accurate label today would probably be "Privacy Engineer".

She spent the past 15 years optimising (digital) data-based decision-making processes. This allowed her to co-found and successfully sell her first start-up in Belgium to UK agency Digitas LBi (Publicis). She is used to following the money to optimise data trails; now she follows the data to minimise increasing compliance and Privacy risks while touching upon security best practices and ethical data uses. Her mantra is "Data is the new Electricity, Privacy is the new Green, Trust is the new Currency".

Aurélie has spoken at various events such as SXSW, Strata + Hadoop World, the IAPP's Data Protection Congress, Webit, eMetrics summits, and written several white papers on Data Privacy and Privacy engineering best practices. Her experience and network has allowed her to discuss growing data set-ups and requirements as well as their risk, compliance and ethical angles in Europe, the US and Asia.

She leads her own consultancy with data privacy projects all around the world, is part of the European Data Protection Supervisor's (EDPS) Ethics Advisory Group (EAG) and served as Data Governance and Privacy Advocate for leading Data Management Platform (DMP) Krux Digital Inc., prior to its acquisition by Salesforce. She teaches Privacy and Ethics at IE Business School in Madrid and supports DPO training courses for the Solvay Business School in Brussels as well as Maastricht University, faculty of law. In terms of volunteering, she co-chairs the IEEE's P7002 - Data Privacy Process standard initiative while serving as a training advisor to the IAPP, the International Association of Privacy Professionals.

Ahmad-Reza Sadeghi
Professor of Computer Science
Technische Universität Darmstadt
Editor-in-Chief, IEEE Security & Privacy Magazine

Ahmad-Reza Sadeghi is a full Professor of Computer Science at the Technische Universität Darmstadt, in Germany, where he heads the System Security Lab. Since January 2012 he is also the Director of Intel Collaborative Research Institute for Secure Computing (ICRI-SC) at TU Darmstadt. He is a member of the profile area CYSEC of TU Darmstadt.

He received his PhD in Computer Science with the focus on privacy protecting cryptographic protocols and systems from the University of Saarland in

Saarbrücken, Germany. Prior to academia, he worked in Research and Development of Telecommunications enterprises, amongst others Ericson Telecommunications. He has been leading and involved in a variety of national and international research and development projects on design and implementation of Trustworthy Computing Platforms and Trusted Computing, Security Hardware, and Applied Cryptography. He has been serving as general or program chair as well as program committee member of major conferences and workshops in Information Security and Privacy. He is Editor-In-Chief of IEEE Security and Privacy Magazine, and on the editorial board of ACM Books. He served 5 years on the editorial board of the ACM Transactions on Information and System Security (TISSEC), and was guest editor of the IEEE Transactions on Computer-Aided Design (Special Issue on Hardware Security and Trust).

Prof. Sadeghi has been awarded with the renowned German prize "Karl Heinz Beckurts" for his research on Trusted and Trustworthy Computing technology and its transfer to industrial practice. The award honors excellent scientific achievements with high impact on industrial innovations in Germany. Further, his group received German IT Security Competition Award 2010.

Robert H. Sloan
Professor and Department Head of the Department of Computer Science
University of Illinois at Chicago (UIC)

Robert Sloan is a Professor and the Department Head of the Department of Computer Science at the University of Illinois at Chicago (UIC). He was born in Buffalo New York. As an undergraduate at Yale, he studied mathematics. He received his master's degree in 1986 and his Ph.D. in 1989, both in computer science from the Massachusetts Institute of Technology (MIT). For two years starting in January 2001 he served as the Program Director of the Theory of Computing Program at the National Science Foundation. He currently serves on the US Dept. of Homeland Security Data Privacy and Integrity Advisory Committee.

His current scholarly work in computer science is divided between two areas. One area is problems near the boundary of theoretical computer science and artificial intelligence, including learning, knowledge representation, and commonsense reasoning. His second current research area is computer security and privacy public policy, where he primarily works collaboratively with Professor Richard Warner of IIT Chicago-Kent Law School. Together they published the book *Unauthorized Access: The Crisis in Online Privacy and Security*, CRC Press, 2013. In the past, Dr. Sloan has also published in cryptography and in technical areas of computer security, primarily access control.

Bernd Carsten Stahl
Professor of Critical Research in Technology and Director of the Centre for
Computing and Social Responsibility
De Montfort University

Bernd Carsten Stahl is Professor of Critical Research in Technology and Director the Centre for Computing and Social Responsibility at De Montfort University, Leicester, UK. His interests cover philosophical issues arising from the intersections of business, technology, and information. This includes ethical questions of current and emerging of ICTs, critical approaches to information systems and issues related to responsible research and innovation.

Omer Tene
Senior Fellow, Future of Privacy Forum
International Association of Privacy Professionals

Omer Tene is an Associate Professor at the College of Management School
of Law, Rishon Le Zion, Israel; Affiliate Scholar at the Stanford Center for
Internet and Society; and Visiting Fellow at the Berkeley Center for Law and
Technology and the Institute for Jewish Law and Israeli Law, Economy and
Society.

He is Managing Director of Tene & Associates, where he consults the Israeli
government, data protection authority and private sector businesses ranging from technology start-ups to
Fortune 100 companies in the financial, health, telecom, mobile and online industries on privacy, data
protection and law and technology issues. He was appointed by the Israeli Minister of Justice as Member
of the National Privacy Protection Council and is a member of the advisory board of the Future of Privacy
Forum; European advisory board of IAPP; and Editorial Board of International Data Privacy Law (Oxford
University Press). He headed the Steering Committee for the 32nd annual conference of privacy and data
protection commissioners.

He is a graduate of the JSD and LL.M. programs at NYU School of Law and received an MBA degree
from INSEAD, as well as LL.M. and LL.B. degrees from Tel Aviv University. He was an associate at
the New York office of Debevoise & Plimpton and at the Paris office of Fried Frank and a Senior
Research Fellow at the British Institute of International and Comparative Law in London.

Rosamund van Brakel
Researcher
Vrije Universiteit Brussel

Rosamunde van Brakel is a researcher and doctoral candidate at the Law,
Science, Technology & Society (LSTS) Research Group where she is
finalising her PhD on preemptive surveillance of children and its
consequences. She has been doing research on the social, ethical and legal
consequences of new technologies since 2006. In addition, she is
executive director and co-founder of the NGO Privacy Salon and managing director of the annual
international Conference Computers, Privacy and Data Protection.

Rosamunde van Brakel studied at the Katholieke Universiteit Leuven and the University of Ottawa and
obtained degrees in both educational sciences and criminology. She also followed courses on children's
rights, human rights, international relations and security studies. She has previously worked as a policy
assistant for the Representative of the Flemish Government in the UK and as a researcher for the Belgian
Ministry of Justice. From 2011-2014 she conducted research at the Vrije Universiteit Brussels on freedom
infringements of transport security technologies and evaluation and certification schemes for security
products in the context of the EU FP7 projects SIAM and CRISP. From 2014-2015 she was seconded to
work as a research fellow for the Netherlands Scientific Council for Government Policy on the project:
Big Data, Privacy and Security.

Michael Veale
Department of Science, Technology, Engineering & Public Policy (STEaPP)
and the Department of Computer Science
University College London

Michael Veale is a machine learning researcher and mixed-methods scholar researching into fairness, transparency and resilience of algorithmic systems as part of a doctorate at University College London's Department of Science, Technology, Engineering & Public Policy (STEaPP) and the Department of Computer Science. His research spans qualitative and quantitative approaches, including computer science–legal work on the so-called 'right to an explanation' in the GDPR, qualitative research with public sector modelers developing algorithmic decision-making systems, and quantitative analysis of algorithmic bias in online content moderation systems. He has presented work internationally, to governments, significant conferences and workshops, and in business and NGO communities, advises the Red Cross Red Crescent Climate Centre on machine learning systems in humanitarian crisis, and was drafting author for the Royal Society and British Academy's report 'Data Management and Use: Governance in the 21st Century'. He previously worked in the European Commission on IoT and health governance, at Bonsucro as a data scientist, and holds degrees from LSE (BSc) and Maastricht University (MSc). He tweets at @mikarv.

Richard Warner
Professor and Norman and Edna Scholar
Chicago-Kent College of Law

Richard Warner is Professor and Norman and Edna Freehling Scholar at the Chicago-Kent College of Law, where he is also the Faculty Director of Chicago-Kent's Center for Law and Computers. From 1994 to 1996, he was president of InterActive Computer Tutorials, a software company. From 1998 to 2000, he was director of Building Businesses on the Web, an Illinois Institute of Technology executive education program. He was the principal investigator for "Using Education to Combat White Collar Crime," a U.S. State Department grant devoted to combating money laundering in Ukraine from 2000 to 2006. He is currently a member of the U.S. Secret Service's Electronic and Financial Crimes Taskforce. He is a visiting foreign professor at University of Gdańsk, Poland, and the co-founder and Director of the School of American Law. He holds a B.A. (English literature) from Stanford, a Ph. D. (Philosophy) from the University of California, Berkeley, and a J. D. from the University of Southern California. His most recent book is *Unauthorized Access: The Crisis in Online Privacy and Security*, http://www.amazon.com/Unauthorized-Access-Crisis-Privacy-Security/dp/1439830134, co-authored with Robert Sloan, Professor and Head, Computer Science Department, University of Illinois, Chicago.

Alexandra Wood
Fellow
Berkman Klein Center

Alexandra Wood is a fellow at the Berkman Klein Center for Internet & Society at Harvard University. She is a researcher contributing legal and policy expertise to the Harvard Privacy Tools project, a broad effort aiming to advance a multidisciplinary understanding of data privacy issues and building technical and legal tools to help address these issues across various real-world settings. Her research involves exploring new and existing legal and regulatory frameworks for data privacy and developing legal instruments to facilitate the sharing and use of research data while preserving privacy, transparency, and accountability.