



German Center for Research  
and Innovation – New York



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The German Center for Research and Innovation and German U15  
cordially invite you to a panel discussion on:

## **Cyber Security and Ethics**

Thursday, May 21, 2015, from 6:30 – 8:30 p.m.

with

**Dr. Sandro Gaycken**

Senior Researcher on Cyber Security & Cyber Strategy, European School for Management & Technology

and

**Prof. Russell Miller**

Professor of Law, Washington & Lee University School of Law

and

**Prof. Dr. Günter Müller**

Director, Institute of Computer Science & Social Studies (IIG)

Professor, Albert-Ludwigs-Universität Freiburg

and

**Prof. Dr. Stephanie Schiedermaier**

Chair of European, International & Public Law, Universität Leipzig

moderated by

**Prof. Steven M. Bellovin**

Percy K. and Vidal L. W. Hudson Professor of Computer Science, Columbia University

at the

German House, 871 United Nations Plaza (First Ave. at 49<sup>th</sup> Street), New York, NY

RSVP by May 18 by clicking [here](#). This event is free, but registration is required. Seating is limited.

Reception to follow.

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Our daily life, economic vitality, and national security depend on a stable, safe, and robust cyber space. We rely on this vast array of networks to communicate and travel, power our homes, run our economy, and provide government services. Yet, cyber-attacks have increased dramatically over the last decade, exposing sensitive personal and business information, disrupting critical operations, and imposing high costs on the economy. How can we protect ourselves against cyber threats? What methods are being implemented in the U.S. and Germany and what challenges are we facing? Please join our panelists as they discuss these and other significant questions affecting cyber security and ethics.

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[www.germaninnovation.org](http://www.germaninnovation.org)

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## Speaker Biographies:

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**Dr. Sandro Gaycken** is a technology and security researcher, exploring the nexus of digital technology, economies, and politics at the European School of Management and Technology in Berlin. Dr. Gaycken's research focuses on cyber warfare, cyber defense, cyber intelligence, and high security IT. He is a strong advocate of disruptive innovation and regulation in IT-security. Dr. Gaycken has published over 60 articles and books on these topics. He writes op-eds in leading newspapers on a regular basis and has authored official government publications. He is a fellow at Oxford University's Martin College and is active in the working group on cyber defense and cyber intelligence. Additionally, Dr. Gaycken is a director for strategic cyber defense projects in the NATO SPS Program, a member of the benchmarking group for *Industrie 4.0* standards for the German Ministry of Education and Research (BMBF), an associate fellow of the German Council on Foreign Relations (DGAP), and a senior fellow at EastWest Institute. Dr. Gaycken served as a strategist in the first design of a German Foreign and Security Policy on IT matters, having been the lead author of the internet freedom and the cyber security/cyber defense section of the policy, defining some first proposals for German cyber foreign policy, and lead authoring the first speech given by a German Minister of Foreign Affairs on internet matters. Dedicated to an informed democratic discourse, Dr. Gaycken gives many public talks and takes pride in writing not only hard science, but also popular science books and articles. He also serves as a regular commentator on IT-related incidents in the press with appearances and guest reports in a number of outlets such as *N24*, *Tagesschau*, *Heute Journal*, *Die Zeit*, *Handelsblatt*, *Financial Times*, *Der Spiegel*, *Deutsche Welle*, *Wired*, *The Times*, *NBC*, *Vanity Fair*, *The Voice of Russia*, and *Al Jazeera*.



**Prof. Russell Miller** is Professor of Law at the Washington & Lee University School of Law in Virginia. His teaching and research focuses on comparative law with an emphasis on German law and legal culture. Prof. Miller has been very active in the transatlantic dialogue concerning privacy and security in the years since Edward Snowden's leaks. He has provided commentary in *Der Spiegel* and the *Frankfurter Allgemeine Zeitung*. Additionally, he has lectured extensively on these issues in Germany, where he testified before the *Bundestag's* NSA *Untersuchungsausschuss*, and organized several symposia on these issues. In collaboration with the Goethe Institute, Prof. Miller is convening the Plurality of Privacy Project (P3) and he expects to publish an edited volume entitled "Privacy and Power: A Transatlantic Dialogue in the Shadow of the NSA" in 2016. Prof. Miller is the co-author of the treatise "The Constitutional Jurisprudence of the Federal Republic of Germany" (Duke Press 2012) and the editor of the collection "US National Security, Intelligence and Democracy" (Routledge 2009).

## Speaker biographies continued:

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**Prof. Dr. Dr.h.c. Günter Müller** is Professor at the Albert-Ludwigs-Universität Freiburg and Director of the Institute of Informatics and Society. He received his Ph.D. in databases and worked as a postdoc with IBM on the famous System R Project. Back in Germany, Prof. Müller worked with European, American, and Japanese scientists as well as industry to lay out the future communication infrastructure. The Open-Systems-Interconnection (OSI) model proved to be a tangible alternative to the internet. The OSI architecture would have avoided a lot of today's security exposures. In 1985, IBM named him Director of the newly founded IBM Networking Research Center. Prof. Müller has held visiting professor positions at both

Harvard and Berkeley universities and has worked as a consultant with industry leaders at IBM, SAP, NTT Communication, and Hitachi. In 2010 and 2011, Prof. Müller received the "*Ehrenkreuz*" from the Austrian president for his influence on today's communication infrastructure and was awarded with an honorary doctorate from the Technische Universität Darmstadt, respectively.



**Prof. Stephanie Schiedermaier** is Chair for European Law, International Law and Public Law at Universität Leipzig and Coordinator of the university's master program of European Integration. Prior to joining the law faculty in Leipzig in 2014, Prof. Schiedermaier worked as Senior Research Fellow and Lecturer for International Law and Media Law at the Johannes-Gutenberg-Universität Mainz and was a research fellow at the Monash University of Melbourne, Australia (2011) and the Yale Law School (2010). Her current research interests focus on the protection of privacy under international law and European law, freedom of expression and freedom of the media in international law and European law, and human rights aspects of new

media. Another research interest lies in peace and security law. Prof. Schiedermaier speaks regularly about international security law and privacy law at conferences around the world.

## Moderator Biography:

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**Prof. Steven M. Bellovin** is the Percy K. and Vidal L. W. Hudson Professor of Computer Science at Columbia University, where he does research on networks, security, and especially why the two don't get along, as well as related public policy issues. In his spare professional time, he does some work on the history of cryptography. Prof. Bellovin joined the faculty in 2005 after many years at Bell Labs and AT&T Labs Research, where he was an AT&T Fellow. He received a B.A. degree from Columbia University and an M.S. and Ph.D. in Computer Science from the University of North Carolina at Chapel Hill. While a graduate student, he helped create

Netnews; for this, he and the other perpetrators were given the 1995 Usenix Lifetime Achievement Award (The Flame). Prof. Bellovin has served as Chief Technologist of the Federal Trade Commission. He is a member of the National Academy of Engineering and is serving on the Computer Science and Telecommunications Board of the National Academies, the Department of Homeland Security's Science and Technology Advisory Committee, and the Technical Guidelines Development Committee of the Election Assistance Commission; he also received the 2007 NIST/NSA National Computer Systems Security Award and has been elected to the Cybersecurity Hall of Fame. Prof. Bellovin is the co-author of *Firewalls and Internet Security: Repelling the Wily Hacker*, and holds a number of patents on cryptographic and network protocols. He has served on many National Research Council study committees, including those on information systems trustworthiness, the privacy implications of authentication technologies, and cybersecurity research needs; he was also a member of the information technology subcommittee of an NRC study group on science versus terrorism. He was a member of the Internet Architecture Board from 1996-2002; he was co-director of the Security Area of the IETF from 2002 through 2004.