

Winter 2025 Cyber Resilience Forum Meeting

A National Academies Forum on Cyber Resilience Event

THURSDAY, FEBRUARY 20, 2025

9:00am ET	Welcome
9:15am ET	Panel Discussion: OT Security for Federal Facilities <ul style="list-style-type: none">• Moderator: Yair Amir, Johns Hopkins University, Forum Member• Speaker: Adam Akridge, USACE• Speaker: Ralph Haecock, DOD• Speaker: Saman Zonouz, Georgia Tech
10:45am ET	Break
11:15am ET	Invited Talk: Whole-of-Society Opportunities for Improving National Cybersecurity <ul style="list-style-type: none">• Angelos Keromytis, Georgia Tech
12:15pm ET	Lunch
1:00pm ET	Invited Talk: Insuring Catastrophic Cyber Risk <ul style="list-style-type: none">• Sasha Romanosky, RAND
2:00pm ET	Break
2:30pm ET	Invited Talk: AI Safety and Security Research in the EU <ul style="list-style-type: none">• Frank Koster, DLR
3:30pm ET	Workshop Report Out: Workshop on Technologies for Data Stewardship <ul style="list-style-type: none">• Paul England (NAE), Forum Member
4:00pm ET	Break
4:30pm ET	CSTB Updates <ul style="list-style-type: none">• Jon Eisenberg, NASEM
5:15pm ET	MEETING ADJOURNS

5:30 pm ET RECEPTION

FRIDAY, FEBRUARY 21, 2025

9:00am ET **Invited Talk: Neuroprivacy**

- Jared Genser, Neurorights Foundation

10:00am ET **END OF LIVESTREAM**

SPEAKER BIOGRAPHIES

Saman Zonouz is an Associate Professor at Georgia Tech in the Schools of Cybersecurity and Privacy (SCP) and Electrical and Computer Engineering (ECE). Saman directs the Cyber-Physical Security Laboratory (CPSec) which recently hosted a U.S. Congressional visit to demonstrate its research outcomes. His research focuses on security and privacy research problems in cyber-physical systems including attack detection and response capabilities using techniques from systems security, control theory and artificial intelligence. Saman recently delivered the Plenary Keynote in DOE's Cybersecurity Conference. His research has been awarded by Presidential Early Career Awards for Scientists and Engineers (PECASE) by the United States President, the NSF CAREER Award in Cyber-Physical Systems (CPS), Significant Research in Cyber Security by the National Security Agency (NSA), Faculty Fellowship Award by the Air Force Office of Scientific Research (AFOSR), Google Hall of Fame Security Award, Provost Research Award, Outstanding Faculty Research Award by the Georgia Tech College of Computing, and Cybersecurity Fellowship by the Georgia Tech College of Engineering. His research group has disclosed several security vulnerabilities with published CVEs in widely-used commercial critical infrastructure controllers such as Siemens, Allen Bradley, and Wago. Saman is currently a Co-PI on U.S. President's American Rescue Plan \$65M Georgia AI Manufacturing (GA-AIM) project. Saman was invited to co-chair the CPS PI Meeting 2017, the NSF CPS Next Big Challenges Workshop 2021, and CPS Resilience Workshop 2025. Saman has received several Georgia Tech Teaching Awards for his courses "Cybersecurity of Drones" and "Critical Infrastructure Security". Saman obtained his Ph.D. in Computer Science from the University of Illinois at Urbana-Champaign.

Mr. Ralph Heacock is a cybersecurity and enterprise resilience leader with expertise in building and integrating cyber risk, strategic threat intelligence, and operational resilience capabilities at the enterprise and cross-sector levels. Mr. Heacock is currently a Senior Advisor for Cyber Resilience and Threat Intelligence to the Director of Mission Assurance and Facility Related Control Systems Cybersecurity within the Department of Defense (Acquisition & Sustainment). Mr. Heacock has previously advised on cyberspace operations planning tradecraft maturation and development efforts for CISA's Joint Cyber Defense Collaborative (JCDC). Mr. Heacock's expertise also includes producing and briefing finished cyber threat intelligence as a member of the US Intelligence Community, creating systemic cyber threat, risk, and resilience analysis capabilities as a founding member of the US Financial Services Sector's Analysis and Resilience Center for Systemic Risk, and has provided tradecraft expertise to establish advanced cyber risk management capabilities at the State Department. Mr. Heacock has led APT and nation-state cyber threat analysis teams at the Cyber Intelligence Analysis Division within DHS I&A and produced cyber threat assessments for the Secretary of DHS, senior government officials, and critical infrastructure sector executives. Mr. Heacock has also led cross-sector systemic cyber risk initiatives and information sharing efforts for the Global Systemically Important Banks (G-SIBs) and US financial critical infrastructure entities. Mr. Heacock holds the Certified Information Systems Security Professional (CISSP) certification, along with a Master's Degree from the London School of Economics and Political Science (LSE).

Angelos Keromytis is a Weitnauer Endowed Chair Professor with the School of Electrical and Computer Engineering (ECE) at Georgia Tech, and Georgia Research Alliance (GRA) Eminent Scholar. He is an elected Fellow of the ACM and the IEEE. He has founded four technology startups, and is currently acting as President for two of them: Voreas Laboratories, which focuses on petascale data analytics for cyber, and Aether Argus, which focuses on microelectronics supply chain security. He is a Special Government Employee (SGE) serving on the NSA Advisory Board. Prior to the above, he served as Program Manager with DARPA/I2O and NSF/CISE/CNS. For a detailed CV, see <https://angelosk.github.io/cv.html>.

Sasha Romansky is a Senior Policy Researcher at RAND where he studies topics on the economics of security and privacy, national security, cybercrime, and law & economics. He is an affiliated faculty in the Program on Economics & Privacy at the Antonin Scalia Law School, George Mason University. Sasha holds a Ph.D. in Public Policy and Management from Carnegie Mellon University and a B.S. in Electrical Engineering from the University of Calgary, Canada. He was a Microsoft research fellow in the Information Law Institute at New York University School of Law, and a security professional for over 10 years. Sasha is one of the original authors of the Common Vulnerability Scoring System (CVSS), an international standard for scoring computer vulnerabilities (ITU-T X.1521), and co-creator of EPSS, a standard for predicting software vulnerability exploitation. Sasha is a former Cyber Policy Advisor in the Office of the Secretary of Defense for Policy (OSDP) at the Pentagon where he oversaw the Department's Vulnerability Equities Process (VEP), the Vulnerability Disclosure Program (VDP), and other cyber policy matters, for which he received the Defense Medal for Exceptional Public Service. Sasha is also a former member of DHS's Data Privacy and Integrity Committee (DPIAC) which advised the Secretary of Homeland Security and DHS's Chief Privacy Officer on policy, operational, and technology privacy issues.

Frank Koster is the Founding Director of the Institute for AI Safety and Security, Deutsche Zentrum für Luft- und Raumfahrt (DLR).

Jared Genser has been an international lawyer for more than two decades. He is Managing Director of Perseus Strategies, a public interest law firm, Special Adviser on the Responsibility to Protect to the Organization of American States, Senior Fellow on Technology and Human Rights at Harvard University's Carr Center for Human Rights Policy, Lecturer in Law at Stanford Law School, and outside General Counsel to the Neurorights Foundation. He was previously a partner at the global law firm DLA Piper LLP. Referred to by the New York Times as "The Extractor" for his work freeing political prisoners worldwide, he has served as counsel to such luminaries as former Czech Republic President Václav Havel, Malaysian Prime Minister Anwar Ibrahim, and Nobel Peace Prize Laureates Ales Bialiatski, Liu Xiaobo, Desmond Tutu, and Elie Wiesel. He has also taught as an Adjunct Professor of Law at Georgetown University Law Center and the University of Pennsylvania Law School. Genser holds a B.S. from Cornell University, an M.P.P. from Harvard University's John F. Kennedy School of Government, where he was an Alumni Public Interest Fellow, and a J.D. cum laude from the University of Michigan Law School. His next book will be a co-edited volume with former UN High Commissioner on Human Rights Zeid Ra'ad Al Hussein called The Oxford Handbook on the UN Human Rights System (Oxford University Press, 2025). Genser received the Tällberg Eliasson Global Leadership Prize and the American Bar Association's International Human Rights Award. Last year, Washingtonian Magazine recognized him as one of Washington, D.C.'s 500 Most Influential People of 2024.