2nd Annual Transatlantic Symposium on ICT and Policy

Leveraging People, Technology, and Information for a Smart and Connected Society

Woodrow Wilson International Center for Scholars, Washington, DC, USA

June 18-19, 2018

Draft agenda, version May 31st, 2018

Monday, June 18th, 2018

9:00 a.m. – 9:30 a.m.	Coffee and registration
9 :30 a.m. – 9.50 a.m.	Wilson Center welcome (10 min) PICASSO project welcome (10 min)
9:50 a.m. – 10:10 a.m.	**Welcome address:** The European Digital Single Market - is it complete or quo vadis?, Peter Fatelnig, Minister-Counsellor for Digital Economy Policy, Delegation of the European Union to the United States of America
10.10 a.m. – 10.40 a.m.	**Opening Keynote**, Dr. Dawn Tilbury, Head, NSF Engineering Directorate, National Science Foundation
10 :40 a.m. – 11:00 a.m.	Coffee Break
11:00 a.m. – 12:30 p.m.	Plenary Panel: **Transatlantic issues in privacy policy: Laws (GDPR, the CLOUD Act) and implementation (optimising compliance, effectiveness and burdens)** New laws, technologies and levels of public attention have raised the stakes and uncertainties regarding privacy; this panel will bring together policy and industry experts to discuss constraints and opportunities for joint research, new challenges for joint research into 'compliance by design' and prospects for coordinated policy responses. **Moderator: Jonathan Cave, GNKS, University of Warwick, Alan Turing Institute and UK Regulatory Policy Committee** **Panelists:** **EU/Internet governance perspective:** Mr. Maarten Botterman, GNKS and ICANN Board of Directors **Global/Civil society perspective:** Dr. Avri Doria, Association for Progressive Communications (Researcher); ICANN Board of Directors **US/Policy and industry perspective:** Glenn Ricart, Founder and CTO, US Ignite **US/Legal and policy perspective**: Dr. Dan Caprio, McKenna Long & Aldridge LLP, and AEGIS project representative

12:30 p.m. – 1:30 p.m.	Lunch
1 :30 p.m. – 3 :00 p.m.	Plenary Panel: **Cyber-Physical Systems (CPS) and the Internet of Things (IoT) with a focus on Smart Energy Systems**. This panel will discuss State of the art and technology gaps in the transition to smart energy systems. **Chairs**: Dr. Tariq Samad, Technological Leadership Institute, University of Minnesota Dr. Sebastian Engell, TU Dortmund University, Germany **Moderator**: Dr. Tariq Samad **Speakers:** Jose Gonzalez, FIWARE Mundus, Spain Dr. Anuradha Annaswamy, Massachusetts Institute of Technology, USA Sebastian Engell, TU Dortmund, Germany **Panelists:** Jose Gonzales, InterInnov, FIWARE Mundus, Spain Dr. Kishan Baheti, NSF, US Dr. Chris Greer, NIST, US Dr. Sebastian Engell, TU Dortmund, Germany
3:00 p.m. – 3:20 p.m.	Coffee Break
3:20 p.m. – 4:30 p.m.	Plenary Panel - **What We Must Do to Strengthen Cyber Resiliency and IoT Security**. Representatives from government, including NIST, and industry, including Microsoft, will discuss cyber security, cyber resilience, and critical infrastructure. *Traditional interactions between people and technology are often managed in an environment that consists of known devices and known software. For a world of IoT devices spreading all over in both public and private spaces, this doesn't scale from manageability and cybersecurity perspectives. Protection, detection and recovery of IoT systems must be automated. Yet, not all device makers including small and medium businesses know how to accomplish this throughout IoT products life cycle. We need to consider how policies, standards and technical solutions can help address IoT security and resiliency challenges. This panel is designed to have experts from both private and public sectors to share their perspectives on how to help raise public awareness, invest in policy and standard development, support cross sector collaboration to address long term IoT security and cyber resiliency both at the regional and global levels.* **Chair**: Jing de Jong-Chen, general manager of global cybersecurity strategy, Microsoft; vice president of Trusted Computing Group **Speakers/Panelists:** **Cyber Resiliency Considerations for the Engineering of Trustworthy Secure Systems**: Ron Ross, Fellow and the Author of newly released NIST Special publication of SP 800-160 **Securing Europe's IoT Devices and Services:** Claudio Caimi, Hewlett-Packard Entreprise (HPE), Italy, representative of AEGIS initiative **Enhancing Cyber Resilience Through Industry Collaboration and Trusted Computing:** Jing de Jong-Chen, general manager of global

	cybersecurity strategy, Microsoft; vice president of Trusted Computing Group **European NIS Directive and Cyber Resiliency for CIP:** Nicholas Ferguson, TRUST-IT, Italy, coordinator of CYBERWATCHING.EU initiative
4:30 p.m. – 6:00 p.m.	Panel on partnerships on **Big Data Research & Innovation and Workforce Development**. This will focus on needs and collaboration opportunities on Smart Cities, Smart Health and Data Science Workforce and Data Literacy. **Moderator:** Dr. Lea Shanley, South Big Data Hub **Panelists:** **Big Data Hub-BDVA-PICASSO Big Data PPP Workshop/Smart Health:** Dr. Lea Shanley, University of North Carolina-Chapel Hill/Co-Executive Director, South Big Data Innovation Hub **What Big Data will bring for Healthcare:** Dr. Pantelis Aggelidis, President of the Board of Directors of Alexander Innovation Zone, Vidavo Technology **Smart Cities/Transportation:** Dr. Meredith Lee, UC-Berkeley/Executive Director, West Big Data Innovation Hub **Intelligent Transport and Digital Skills**: Dr. Andreas Metzger, Paluno/BDVA **Data Literacy and Workforce:** Catherine Cramer, Columbia University Data Science Institute/Northeast Big Data Hub
6:00 – 8:00 pm	Evening reception sponsored by Mississippi State University

Tuesday, June 19th, 2018

9:00 a.m. – 10:30 a.m.	Plenary panel: **5G and Beyond**. This panel will focus on a dialogue between EU and US peers on research opportunities, challenges and perspective EU-US collaboration for 5G and beyond. **Chair and moderator**: Dr. Gerhard Fettweis, Vodafone Chair Professor at TU Dresden, Germany **Panelists** **An Academia representative from EU side:** Matti Latva-aho, University of Oulu, Finland **An Academia representative from US side:** Ted Rappaport, NYU Wireless **An Industry representative from US side:** Amitava Ghosh, Nokia Fellow and Head of Small Cell Research at Nokia Bell Labs, USA **NSF Program Director:** David Corman
10:30 a.m. – 10:50 a.m.	Coffee Break
10:50 a.m. – 12:20 p.m.	

	Plenary Panel on the **Future of Autonomous Systems** **Co-chairs:** Prof David Shaw, Vice President for Research and Economic Development, Mississippi State University, US Prof Haydn Thompson, CEO, THHINK Group (UK, NL, Aus, JP). Autonomous transportation systems have the potential to change every aspect of human life, and have captured the imagination of academics, industry, and the general public like few other technological developments. Unmanned aerial systems (UAS) research ranges from package delivery to remote persistent observations. Autonomous ground vehicles open up opportunities for more efficient public transportation, trucking, as well as safer transport for individuals. Both systems have the potential to revolutionize transportation of goods and services; however, major technological and policy obstacles must be addressed if their potential is to be realized. Two panels, one on each system, will focus on the research needs and collaborative opportunities **Panelists:** **Unmanned Aircraft:** Dr. Al Savvaris, Centre of Autonomous and Cyber-Physical Systems Cranfield University Director Dallas Brooks, Raspet Flight Research Laboratory Mississippi State University **Autonomous Ground Vehicles**: Haydn Thompson, CEO, THHINK Group Malcom Glenn, Director of Strategic Partnerships, Uber Technologies
12:20 p.m. – 1:20 p.m.	Lunch
1:20 p.m. – 2:50 p.m. (breakout sessions)	Three Breakout Sessions: **CPS/IoT, Big Data, and 5G**. These sessions will allow experts to explore specific topics in greater technical depth, and/or discuss relevant policy aspects: **Breakout session 1 (CPS/IoT)** will focus on Autonomous Cyber-physical Systems - research agenda and cooperation options **Moderators:** Dr. Tariq Samad, Technological Leadership Institute, University of Minnesota, Dr. Sebastian Engell, Professor TU Dortmund, Germany **Breakout session 2 (Big Data)** will focus on joint programs to identify "data ethics" as ground rules for the development and exploitation of big data **Moderator:** Dr. Jonathan Cave, GNKS, University of Warwick, Alan Turing Institute and UK Regulatory Policy Committee **Breakout session 3 (5G and beyond)** will focus on discussing future wireless communications at carrier frequencies beyond 100 GHz with respect to both enabling technology and spectrum policy aspects. **Moderator:** Dr. Gerhard Fettweis, Vodafone Chair Professor at TU Dresden, Germany
2:50 p.m. – 3:20 p.m.	Coffee Break
3:20 p.m. – 4:20 p.m.	Report Back from breakouts and discussion with the audience
4:20 p.m. – 4:50 p.m.	**Forward Looking Statement & Closing Remarks** Dr. Anne Bowser, the Wilson Center

	Svetlana Klessova, inno TSD, France - PICASSO project coordinator Dr. Tariq Samad, Technological Leadership Institute, University of Minnesota

For more information please contact

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https://www.wilsoncenter.org/event/2nd-annual-transatlantic-symposium-ict-and-policy

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