Policy Webinar on
Cybersecurity and its impact on EU/US ICT collaboration

Tuesday, May 16th, 2017

15:00-16:30 (UTC)

The event is free of charge

Registration is required

ICT Policy, Research and Innovation for a Smart Society

Cybersecurity and its impact on EU-US ICT collaboration
Webinar Objectives

> With the webinar on **" Cybersecurity and its impact on EU-US ICT collaboration"**, PICASSO will bring forward policy recommendations designed to improve EU/US ICT-orientated collaborations - specifically in the technological domains associated with 5G networks, Big Data, and IoT/CPS.

> Different approaches towards cybersecurity in the USA and in Europe will be taken into account.

> The participatory webinar will discuss the briefing paper that will be forwarded to registered participants latest two weeks before the webinar. A draft outline document can be found: www.picasso-project.eu/wp-content/uploads/2017/04/PICASSO-2nd-Webinar-Policy-Briefing_v01.pdf

> Webinar results will feed the PICASSO Policy Brief on Cybersecurity, subsequently shared to the main stakeholders interested in the field and tabled during the PICASSO Conference in Minneapolis on 19 and 20 June 2017.

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Agenda – Tuesday, May 16, 2016 – 15:00 – 16:30 (UTC)

> **PICASSO Welcome and purpose of the call**
> Dr. *Maarten Botterman, PICASSO Policy Expert Group Chairman*

> **Introduction to EU-US Cybersecurity technology issues relating to ICT development**
> *Dr. David Farber, Carnegie Mellon University, IEEE fellow, ACM fellow*

> **Introduction to EU-US Cybersecurity policy issues relating to ICT development**
> *Dr. Jonathan Cave, GNKS Consult and University of Warwick*

> Participatory discussion: current status and expected development in EU and US

> **Three domains focus - 5G, Big Data, IoT/CPS**
> *Dr. Gerhard Fettweis, Chairman of PICASSO 5G Networks Expert Group (tbc)*
> *Dr. Nikos Sarris, Chairman of the PICASSO Big Data Expert Group (tbc)*
> *Dr. Christian Sonntag, PICASSO IoT/CPS Expert Group Manager*

> Introduction and Participatory discussion: Focus per domain on cybersecurity issues and its affections to EU-US collaboration

> **Preliminary conclusions (Briefing Document validation)**

Cybersecurity and its impact on EU-US ICT collaboration
Drs. Maarten Botterman's bio

Drs. Maarten Botterman
Director GNKS Consult, Netherlands

> **Maarten Botterman** is Founder and Director of GNKS, a company known for its policy research on information society issues ("where technology meets society").

> Maarten Botterman is independent strategic policy advisor to governments and corporates on European, US and global information society policy issues related to the emergence and evolution of the Internet.

> He has been involved in Information Security policy, Data protection, Future Internet and Internet Governance, both as policy analyst (RAND, GNKS) and as Chairman on the Board of the third largest general Registry in the world (Public Interest Registry, serving .ORG and .NGO, a USA based non-profit business). He has been involved in studies and impact assessments around future internet and other ICT policy related studies since 1999.

> Maarten Botterman is the Chair of the EU-US ICT Policy Expert Group in the project PICASSO "ICT Policy, Research and Innovation for a Smart Society: towards new avenues in EU-US ICT collaboration".

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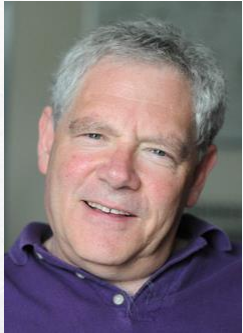## Dr. David Farber's bio

Dr. David Farber
Carnegie Mellon University, IEEE fellow, ACM fellow, United States of America

> **Dr. Farber** is a Professor of Computer Science and Public Policy in the School of Computer Science at Carnegie Mellon University and in the Heinz School of Public Policy. Dave served on the US Presidential Advisory Board on Information Technology and in 2000, was appointed to the Chief Technologist post at the US Federal Communications Commission where he served during 2000-2001. He helped conceive and organize CSNet, NSFNet and the NREN. Dave brought often-disparate groups into harmony, leading to sweeping changes across the infrastructure landscape and beyond.

> Current professional affiliations: Board of Trustees – EPIC Board of Trustees – ISOC FCC's Technological Advisory Council and Advisory Council of the CISE Directorate of the NSF Chief Scientist of the National LambdaRail Visiting Professor of the International University of Japan and Advisory Board at the National Institute of Informatics of Japan Member executive advisory board for President and CEO of Samsung Electronics Advisory Board Memberships for the Center for Democracy and Technology and EPIC Fellow of both the ACM and the IEEE and Trustee of the Electronic Frontier Foundation (EFF)

> Dr. Farber is member and co-chair of the EU-US ICT Policy Expert Group in the project PICASSO "ICT Policy, Research and Innovation for a Smart Society: towards new avenues in EU-US ICT collaboration".

Cybersecurity and its impact on EU-US ICT collaboration
Prof. Dr. J.A.K. Cave's bio

Prof. Dr. J.A.K. Cave
Full Professor at Warwick University, United Kingdom
Economist member of the UK's Regulatory Policy Committee

> **Prof. Dr. J.A.K. Cave** is Professor in Economics at Warwick University. Jonathan Cave holds degrees from Yale (B.Sc.), Cambridge (MA), and Stanford (Ph.D.). In his position as Senior Economist at RAND Europe (up to February 2015), he has led projects on a variety of issues in telecommunications (transition from rate-of-return to price-cap regulation, legal issues arising on the electronic highway, universal service and the Internet), social policy (effects of aging European populations), industrial policy, and government's evolving role (passing on costs of government activity to private parties, market failure in the waste disposal industry, use of government procurement as a tool to spur innovation).

> Many of these projects involved international comparisons and teams spread across different organizations and nations. He is recently appointed as Economist member of the UK's Regulatory Policy Committee.

> Prof. Dr. J.A.K. Cave is member of the EU-US ICT Policy Expert Group in the project PICASSO "ICT Policy, Research and Innovation for a Smart Society: towards new avenues in EU-US ICT collaboration".

Cybersecurity and its impact on EU-US ICT collaboration
Dr. Gerhard Fettweis's bio

Dr. Gerhard Fettweis
Vodafone Chair, Technische Universität Dresden, Germany

> **Prof. Dr.-Ing. Dr. h.c. Gerhard Fettweis** earned his Dipl.-Ing. and Ph.D. degrees from Aachen University of Technology (RWTH) in Germany. From 1990 to 1991 he was a Visiting Scientist at the IBM Almaden Research Center in San Jose, CA, working on signal processing for disk drives. From 1991 to 1994 he was with TCSI Inc., Berkeley, CA, responsible for signal processor developments. Since September 1994 he holds the Vodafone Chair at Technische Universität Dresden, Germany. In 2012 he received the Honorary Doctorate from Tampere University.

> Gerhard Fettweis is also well known as a serial entrepreneur. He co-founded Systemonic as CTO, a start-up acquired successfully in 2002 by Philips Semiconductors. The main focus is on broadband wireless chip-sets. He co-founded 9 further start-up companies: 2000 Radioplan, 2003 Signalion, 2004 In-Circuit, 2005 Dresden Silicon, 2007 Freedelity, 2008 RadioOpt, 2009 BlueWonder Communications, 2010 InRadios, and 2013 Exelonix. He has been an elected member of the IEEE Solid State Circuits Society's Board (Administrative Committee) since 1999, he was associate editor for IEEE Transactions on Circuits and Systems and he is an elected member of IEEE Fellow Committee.

> Furthermore he serves on company supervisory boards, and on industrial as well as research institutes' advisory Committees.

> Prof. Fettweis is the Chair of the 5G Network Expert Group in the project PICASSO "ICT Policy, Research and Innovation for a Smart Society: towards new avenues in EU-US ICT collaboration".

Cybersecurity and its impact on EU-US ICT collaboration
Dr. Nikos Sarris's bio

Dr. Nikos Sarris
Head of operations of Athens Technology Centre- Innovation Lab, Greece
Member of the Steering Committee of European Big Data Value PPP

> **Dr. Nikos Sarris**, is the Head of the ATC Innovation Lab. He has received his PhD from the Aristotle University of Thessaloniki and his Master of Engineering degree from the University of Manchester Institute of Science and Technology.

> Dr. Nikos Sarris has been working since 1996 in R&D projects as a researcher, project manager and coordinator of large multinational consortia. He has authored numerous publications for international journals and conferences. In the latest years he has been involved in media related projects focusing on the semantic analysis and 'understanding' of multimedia news content.

> Dr. Sarris is a member in the Steering Committee of the NESSI European Technology Platform and a representative of ATC in the General Assembly of the Big Data Value Association.

> Prof. Nikos Sarris is the Chair of the Big Data Expert Group in the project PICASSO "ICT Policy, Research and Innovation for a Smart Society: towards new avenues in EU-US ICT collaboration".

Cybersecurity and its impact on EU-US ICT collaboration
Dr. Christian Sonntag's bio

Dr. Christian Sonntag
Senior Researcher, Technische Universität Dortmund, Germany

> **Dr. Christian Sonntag,** have worked as a research innovation engineer, as an international project manager, and as a software engineer, consultant, and free-lance author. He worked as a project manager and research and innovation engineer in several multi-national research, innovation, networking, and strategic roadmapping projects and initiatives (HYCON, HYCON2 , MULTIFORM, EMBOCON, DYMASOS, CPSoS, CONSENS, and oCPS) within the European Framework Programmes FP6, FP7, and H2020, covering all projects phases including conceptual project design and funding application, funding negotiation, and technological, administrative, and financial project management and execution.

> With more than 50 published book chapters and scientific papers (and numerous technical reports), his research interests include the areas of modeling, simulation, and model identification, model-based tool integration, algorithmic model transformation, design flow support, operational excellence (linear control, hybrid optimal and supervisory control, plant-wide control), and logic control systems design, implementation, analysis, and verification. He served as an invited expert in these areas in European strategic and roadmapping projects and initiatives, such as ARTEMIS-IA, Road2SoS, Road2CPS, Road4Fame, CPSoS, PICASSO, and TAMS4CPS.

> He is the Manager of the IoT/ CPS Expert Group in the project PICASSO "ICT Policy, Research and Innovation for a Smart Society: towards new avenues in EU-US ICT collaboration".

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Webinar Technicalities

- **Date and time of the webinar**: 16th May 2017, 15:00 Coordinated Universal Time

- **Duration**: approx. 90 minutes

- **Participation**: Free of Charge

- **Registration required**: https://picasso_policywebinar_cybersec.eventbrite.com

- **Technical System**: Adobe Connect

  1. Test your connection:
  http://admin.adobeconnect.com/common/help/en/support/meeting_test.htm
  2. Familiarize yourself with the software: Get a quick overview:
  http://www.adobe.com/products/adobeconnect.html

- For **more information** please contact: contact@picasso-project.eu