Interactive Webinar on
Challenges & Opportunities in Autonomous Cyber-physical Systems

Wednesday, May 16th, 2018

The event is free of charge
Registration is required

ICT Policy, Research and Innovation for a Smart Society

PICASSO has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 687874.

Challenges & Opportunities in Autonomous Cyber-physical Systems - Objectives

The Internet of Things (IoT) and cyber-physical systems (CPS) are key pillars for future smart technological systems and industrial infrastructures, and their enormous potential has been recognized in the EU and the US.

The PICASSO project has developed a comprehensive **analysis of the drivers, needs, and research and innovation priorities in the EU and the US** in these technology domains[1] and has identified **autonomy in IoT-enabled cyber-physical systems** as a key challenge in both, the EU and the US.

To discuss, validate, and refine these findings, we will hold an **interactive webinar** to which you are warmly invited. The main objectives of the webinar are to **discuss the current challenges in autonomy as well as suitable EU-US collaboration mechanisms** with an international audience of IoT, CPS, and application experts, and to **generate new ideas and recommendations for EU-US research and innovation collaboration**.

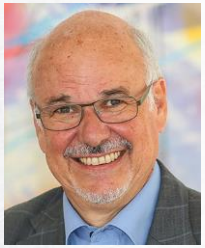
[1] Download the opportunity report here: http://www.picasso-project.eu/wp-content/uploads/2017/03/PICASSO-Opportunity-Report_March-2017_revMar19.pdf

PICASSO EU-US ICT collaboration

Challenges & Opportunities in Autonomous Cyber-physical Systems - Agenda

- **How to Participate – An Overview of the Adobe Connect System**
  Marta Calderaro, APRE, Italy
  Italian H2020 NCP for ICT
- **Welcome, PICASSO Overview, and Webinar Objectives**
  Sebastian Engell, Professor of Process Dynamics and Operations, Technische Universität Dortmund, Germany
  Expert Group Chair
- **Challenges & Opportunities for EU-US Collaboration in Autonomous Cyber-physical Systems**
  Christian Sonntag, Process Dynamics and Operations Group, Technische Universität Dortmund, Germany
  Expert Group Manager
- **Discussion and Feedback**
  Moderated by Sebastian Engell

Challenges & Opportunities in Autonomous Cyber-physical Systems - Prof. Dr.-Ing. Sebastian Engell's Bio



Prof. Dr.-Ing. Sebastian Engell
Full Professor at Technische Universität Dortmund, Germany
President of the European Automatic Control Association

- Prof. Dr.-Ing. Sebastian Engell graduated in Electrical Engineering from Ruhr-Universität Bochum, Germany in 1978 and obtained his PhD and venia legendi in Automatic Control from Universität Duisburg in 1981 and 1987. In 1990, he became Full Professor of Process Dynamics and Operations at TU Dortmund. In 2008, he was a Distinguished Visiting Professor at Carnegie Mellon University, Pittsburgh, USA. He served as Vice-Rector for Research and International Relations of TU Dortmund and has since played a leading role in the development of international collaborations. He received several awards for his scientific work, including an ERC Advanced Investigator Grant. He was involved in the EU ICT Support Actions EUCLID (India) and BALCON (Western Balkan) and contributes to the EU-South-East Asia Support Action CONNECT2SEA. He led the ICT STREP DYMASOS and the CSA CPSoS (Cyber-physical Systems of Systems) and is the scientific coordinator of the STREP MORE (Real-time Monitoring and Optimization of Resource Efficiency in Chemical Plants).

Challenges & Opportunities in Autonomous Cyber-physical Systems – Christian Sonntag's Bio

Christian Sonntag
Technische Universität Dortmund, Germany

- Christian Sonntag is a senior researcher and project manager at the DYN group. His research focuses on the areas of modeling, simulation, and model-based tool integration, design and analysis of logic controllers, optimal and supervisory control, and analysis and verification of discrete-continuous (hybrid) technical systems. He is experienced in the acquisition, management, and technological execution of European research, innovation, and strategy projects. In addition to serving as the manager of the IoT/CPS Expert Group in PICASSO, he is or was involved in the EU projects MULTIFORM, DYMASOS, and EMBOCON, the support action CPSoS, the Networks of Excellence HYCON and HYCON2, and the Marie Curie project oCPS.

Challenges & Opportunities in Autonomous Cyber-physical Systems - Webinar Technicalities

- **Date and time of the webinar**: Thursday, May 16, 2018, 2:00 p.m. (UTC) / 4:00 p.m. (CEST)/ 10.00 a.m. (EST)
- **Duration**: approx. 60 minutes
- **Participation**: Free of Charge
- **Registration required**: https://goo.gl/V9P6Go
  Participants registered to the event will receive a confirmation on their successful registration via e-mail
- **Technical System**: Adobe Connect
  Participants registered to the event will receive further information one week before the event.
  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

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