

Welcome!

This is the fourth issue of the regular newsletter of CyPhERS ("Cyber-Physical European Roadmap and Strategy") – a FP7-project funded by the EU, which aims at developing a European strategic research and innovation agenda for cyber-physical systems (CPS) to ensure Europe's competitiveness in this emerging field.

New project document published

CyPhERS has now published the project deliverable D5.1 "CPS – State of the Art". The purpose of the document is twofold:

- to develop a systematic analysis of the current state of the art in science and technology, in Europe and beyond, encompassing best industrial practices as well as research findings; and
- to perform an initial assessment of Europe's positioning in an international comparison, with respect to technology and research, market and society.

This deliverable provides a baseline for the forthcoming comprehensive gap analysis to be performed between the vision of a "possible future" and the current state in science and technology. This deliverable therefore (1) develops an initial structuring of the area as a basis for the analysis, (2) compiles and structures existing surveys of the current state of the art, (3) performs an initial assessment of the state of the art in Europe vs. other relevant countries and regions, and (4) provides a discussion on how the gap analysis is to be performed. The gap itself in the forthcoming deliverable D5.2, is defined as the distance between vision, to be provided as future scenarios in deliverable D2.2, and the State of the Art just produced. This and the past deliverables are available for download at <http://cyphers.eu/project/deliverables>.

Call for Participation: 2nd European Experts' Workshop on Cyber-Physical Systems

Registration is now open! The 2nd *European Experts' Workshop on Cyber-Physical Systems*, a satellite event of *CPSWeek*, takes place in Berlin on April 14, 2014. Under the headline "CPS 20 years from now – vision and challenges", *CPS20* provides multiple scientific and industrial communities with a forum for

- to the exchange of CPS visions and challenges as well as
- the elaboration of strategies to those ends.

Goal of the workshop is to gather insights regarding foundations, technology and methodologies for the design and production of large scale CPS. *CPS20* will feature five contributed presentations on various aspects of CPS, ranging from physical aspects and role of models in CPS engineering, to design flow and platforms. Furthermore, CPS visions and challenges will be highlighted in invited keynote lectures by Karl-Erik Årzén (Lund University), Alexandre Bayen (University of California at Berkeley), and Elena Fersman (Ericsson Research).

The workshop program can be found at <http://cyphers.eu/cps20>. To register for the workshop please visit <https://www.cpsweek2014.org/cpsweek2014/reg.html>.

If you are interested in collaborating with us you are invited to join our expert network. Please contact us at contact@cyphers.eu!

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Project Information

"CyPhERS - Cyber-Physical European Roadmap and Strategy"
Support Action
Project reference: 611430
Programme FP7-ICT, area ICT-2013.3.4
Start date: 01-JULY-2013
Duration: 18 months

Partners:

- fortiss GmbH, Munich, Germany (Co-ordinator)
- KTH Royal Institute of Technology, Stockholm, Sweden
- Université Joseph Fourier, Grenoble, France
- University of Trento, Italy
- The University of York, UK
- Siemens AG, Munich, Germany (affiliated partner)