

Welcome!

This is the second 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.

First project document published

CyPhERS has published its first project deliverable "Characteristics, capabilities, potential applications of Cyber-Physical Systems: a preliminary analysis". It presents an initial framing of the CPS domain based on existing surveys and refined by virtue of the discussions and insights obtained with the help of experts in the field. In particular, this document summarizes the results of the *First European Experts Workshop* organised by CyPhERS in October 2013. As a basis for a subsequent systematic assessment of the CPS domain, we discuss: technical characterisation, vision and value added, impact, trends and challenges, and economic ecosystems. Following CyPhERS' iterative approach, the document will be further refined and extended during the course of the project towards a coherent structuring of the CPS domain. The deliverable is available for download from our project website at <http://cyphers.eu/project/deliverables>.

Announcement and Call for Papers: 2nd European Experts Workshop on Cyber-Physical Systems

CyPhERS will organise its 2nd *European Experts Workshop on Cyber-Physical Systems* as a satellite event of next year's *CPSWeek*, taking place in Berlin on April 14, 2014. Under the headline "CPS 20 years from now – vision and challenges", the *CPS20* workshop will provide scientific and industrial communities with a forum for the exchange of CPS visions and challenges as well as the elaboration of strategies to those ends. Besides invited talks and position papers, *CPS20* will include an interactive panel for discussions. Contributions are solicited addressing

- Visions and challenges of combined nature, e.g., technological, organizational, business and societal
- Roadmaps for CPS – suggested course of action that meet defined visions and challenges
- Experiences from regional and international efforts already undertaken or under way

Representatives from academia, industry and policy making are explicitly invited to submit enlightening position papers. Deadline for submissions is January 31st, 2014. The *Call for Papers* is attached to this newsletter, and can also be found online at <http://cyphers.eu/cps20>.

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

In this issue:

- Project deliverable "Characteristics, capabilities, potential applications of Cyber-Physical Systems"
- Call for Papers: 2nd European Experts Workshop on CPS, Berlin, April 14, 2013.

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)