

2012 Workshop on Embedded and Cyber-Physical Systems Education (WESE)

1st Call for Papers

October 11, 2012, Tampere, Finland

Organized as a part of Embedded Systems Week (www.esweek.org)

Organizers

Peter Marwedel, TU Dortmund,
Germany

Jeff Jackson, The University of Alabama,
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International Program Committee

TBD

Embedded and cyber-physical systems design requires multidisciplinary skills from control and signal processing theory, electronics, computer engineering and science, telecommunication, etc., as well as application domain knowledge. Demand for embedded systems engineers has motivated a growing interest in the question of educating specialists in this domain. As system designs grow more complex and the time to market diminishes, quality education becomes more and more important. This sixth workshop on the subject aims to bring researchers, educators, and industrial representatives together to assess needs and share design, research, and experiences in embedded and cyber-physical systems education.

Topics and Focus

Particular topics of interest include but are not limited to:

- Industrial needs regarding embedded systems education
- Embedded systems curricular design and implementation
- Cyber-physical systems education
- Control and signal processing issues
- Real-time computing issues
- Distributed systems issues
- Architecture and design issues
- Hardware/software co-design
- Hands-on experiences and labs
- Teaching embedded systems

Submissions

Interested authors should submit a full paper (not to exceed 8 double column, single space pages) to

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High visibility of the papers will be ensured through the cooperation with ACM SIGBED. Use the ACM SIG template in constructing your submission. The template may be found at <http://www.acm.org/sigs/publications/proceedings-templates>. Electronic submission is required as a PDF attachment to an email message. Use the subject line "**WESE2012 submission**" in your submission email.

Important Dates

Paper submission: July 31, 2012

Notification of results: Aug. 22, 2012

Final version: September 15, 2012

Workshop: October 11, 2011

Workshop website:

[//adsig.embedded-systems-portal.org/events/workshops/wese-2012](http://adsig.embedded-systems-portal.org/events/workshops/wese-2012)

Early registration deadline: TBA

Registration website: www.esweek.org

