

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

October 11, 2012, Tampere, Finland

Organized as a part of Embedded Systems Week ([www.esweek.org](http://www.esweek.org))

## Organizers

**Peter Marwedel**, TU Dortmund, Germany  
**Jeff Jackson**, The University of Alabama, USA  
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## International Program Committee

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**Shiao-Li Tsao**, National Chiao Tung University, Hsinchu, Taiwan  
**Martin Törngren**, Royal Institute of Technology, Sweden

## Important Dates

**Paper submission: July 31, 2012**  
Notification of results: Aug. 22, 2012  
Final version: September 15, 2012  
Workshop: October 11, 2012  
WESE website: [emsig.embedded-systems-portal.org/wese-2012](http://emsig.embedded-systems-portal.org/wese-2012)  
Registration website: [www.esweek.org](http://www.esweek.org)



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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The workshop is organized by the embedded systems special interest group of EDAA in cooperation with ACM SIGBED. High visibility will be ensured due to the publication in the ACM Digital Library. Electronic submission is required as a PDF attachment to an email message. Use the subject line "**WESE2012 submission**" in your submission email. Use the template at <http://www.acm.org/sigs/publications/proceedings-templates>.