2014 Workshop on Embedded and Cyber-Physical Systems Education (WESE)

October 16, 2014, New Delhi, India
Organized as a part of Embedded Systems Week (www.esweek.org)

Organizers

Martin Törngren, KTH, Sweden (chair)

Martin Edin Grimheden, KTH, Sweden (co-chair)

International Program Committee

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David Broman, UC Berkeley, USA, and KTH, Sweden

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Bernhard Schätz, TUM, Germany

María Victoria Cengarle, fortiss, Germany

Sang Hyuk Son, DGIST, Korea

Important Dates

Paper submission: July 31, 2014
Notification of results: Sep. 5, 2014
Final version: September 21, 2014
Workshop: October 16, 2014
WESE website: www.emsig.net/conf/2013/wese.pdf
Registration website: www.esweek.org
Paper submission: www.wese2014.org

Embedded and cyber-physical systems design requires multidisciplinary skills from areas such as control and signal processing theory, electronics, computer engineering and science, telecommunication and networking, physical systems modeling, etc., as well as application domain knowledge. Demand for embedded and cyber-physical system 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. The WESE workshop series 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.

The focus for this year's edition is in particular to raise questions for the education of tomorrow – What skills and capabilities are required by the engineers of tomorrow and how should the corresponding educational programs be formed in order to provide experts ready to engineer the Cyber-Physical Systems that will greatly impact our future society?

Topics and Focus

Particular topics of interest include but are not limited to:

- Industrial needs regarding embedded and cyber-physical systems education
- Experiences and trade-offs in curricula design and implementation
- Experiences of educational forms, e.g. MOOCs and remote labs
- Position papers regarding the curricula of tomorrow.
- Hands-on experiences, labs, "industry as lab"
- Educational aspects of
  - Embedded systems, Cyber-physical systems, Internet of things
  - Embedded Control, Interfaces to the physical world
  - Real-time computing and Distributed systems issues
  - Architecture, design and hardware/software co-design
  - Embedded system networks
  - Applications of embedded and cyber-physical systems

Submissions

Paper submission is done through EasyChair, accessible at www.wese2014.org. Your paper, not exceeding 8 double column, single space pages, should be formatted using the template at http://www.acm.org/sigs/publications/proceedings-templates.

High visibility will be ensured due to the publication in the ACM Digital Library.

The workshop is organized in collaboration with ICTlabs (action line CPS), EMSIG, ACM SIGBED and the embedded systems special interest group of EDAA.