Workshop on Embedded Systems Education

WESE 2005

September 22nd, 2005, Jersey City, New Jersey, USA
(a satellite event of EMSOFT 2005)

Invited Speakers

- **Alberto SanGiovanni-Vincentelli (Berkeley, USA)**
- **Martin Grimheden (KTH, Sweden)**

Organizers

- **Jeff Jackson (University of Alabama, USA)**
- **Paul Caspi (Verimag-CNRS, France)**

Program Committee

- **Moon Hae Kim (Konkuk University, Korea)**
- **Bruce Krogh (Carnegie-Mellon University, USA)**
- **Yann-Hang Lee (Arizona State University, USA)**
- **Giuseppe Lipari (Scuola Superiore S.Anna, Pisa, Italy)**
- **Gregory D. Peterson (University of Tennessee, USA)**
- **Kenneth Ricks (University of Alabama, USA)**

Important Dates

Paper submission: July 27th, 2005
Acceptance/rejection notification: August 15th, 2005
Final version: September 9th, 2005
Workshop: September 22th, 2005

Call for Papers (txt, pdf)

It is widely recognized that the embedded system domain is a multidisciplinary one, requiring a large variety of skills from control and signal processing theory, electronics, computer engineering and science, telecommunication, etc., as well as application domain knowledge. This has motivated a recent but ever growing interest in the question of educating specialists in this domain and this has also been recognized as a particularly difficult problem. This first workshop on the subject aims to bring researchers, educators, and industrial representatives together to assess needs and share design, research, and education experiences in embedded systems.

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
- Control and signal processing issues
- Computer science issues
- Real-time computing issues
- Distributed systems issues
- Extra-functional properties evaluation and optimization
- Architecture and design issues
- Hardware/software co-design
- Hands-on experiences and labs
- Teaching embedded systems

Submissions

Interested authors should submit an extended abstract (not to exceed 4 pages) or a full paper (not to exceed 8 pages, with a minimum font size of 10 points) to

Dr. Jeff Jackson
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The University of Alabama
Tuscaloosa, AL 35487-0286
Phone: (205) 348-2919
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Electronic submission is required, preferably as a PDF attachment to an e-mail message.

Publication of the proceedings of the workshop in Electronic Notes in Theoretical Computer Science (ENTCS, Elsevier) is under discussion.