



Embedded Systems Week

www.esweek.org

7 - 12 October 2012

Tampere, Finland



Call for Participation – ESWEEK 2012 – <http://www.esweek.org>

Embedded Systems Week is an exciting event which brings together conferences, tutorials, and workshops centered on various aspects of embedded systems research and development. Leading conferences in the area will take place at the same time and location, allowing attendees to benefit from a wide range of topics covered by these conferences and their associated tutorials and workshops.

One registration, three conferences

Registered attendees will be allowed to attend sessions in the other conferences and tutorials for free: CASES 2012, CODES+ISS 2012, EMSOFT 2012. Please note that workshops may require separate registration.

Conferences

International Conference on Compilers, Architecture, and Synthesis for Embedded Systems, chaired by Vincent Mooney and Rodric Rabbah

International Conference on Hardware - Software Codesign and System Synthesis, chaired by Franco Fummi and Naehyuck Chang

International Conference on Embedded Software, chaired by Florence Maraninchi and John Regehr

Industrial sessions and panels

- Trends in Automotive Embedded Systems
- Internet-of-Energy - Combining Embedded Computing and Communication for the Smart Grid
- Research issues in smart phones, notepads and related services
- "Low power high performance computing - How could this trend help embedded systems technology?"

Keynotes

- Monday: *Wireless Innovations for Smartphones*. Speaker: Dr. Hannu Kauppinen, Vice President, Head of Nokia Research Center
- Tuesday: *Computing without Processors*. Speaker: Prof. Satnam Singh, Technical Infrastructure division, Google, USA
- Wednesday: *A Standards-Based, Fully-Open Software Platform for Smart Embedded Systems*. Speaker: Dr. Jong-Deok Choi, Executive Vice President, Samsung Electronics, Korea

Tutorials

- **Analytical Approaches for Performance Evaluation of Networks-on-Chip**
Organizer: Axel Jantsch
Speakers: Abbas Eslami Kiasari, Alan Burns, Axel Jantsch, Marco Bekooij, Zhonghai Lu
- **Embedded Reconfigurable Architectures**
Organizer: Stephan Wong
Speakers: Stephan Wong, Luigi Carro, Roberto Giorgi, Stamatis Kavvadias, Stefanos Kaxiras, Georgios Keramidas, Francesco Papariello, Claudio Scordino
- **Coarse-Grained Reconfigurable Architectures - Compilation and Exploration**
Organizer: Tom Vander Aa
Speakers: Tom Vander Aa, Panagiotis Theocharis
- **Soft Errors: The Hardware-Software Interface**
Organizer: Kyoungwoo Lee
Speakers: Kyoungwoo Lee, Reiley Jeyapaul, Aviral Shrivastava
- **Runtime Verification of Real-time Embedded Systems**
Organizer: Borzoo Bonakdarpour
Speakers: Borzoo Bonakdarpour, Sebastian Fischmeister
- **Mixed critical system design and analysis**
Organizer: Rolf Ernst
Speakers: Rolf Ernst, Alan Burns, Jimmy Le Rhun, Lothar Thiele

Workshops/Symposia

- **CASA 2012**: 8th Workshop on Compiler Assisted System-on-chip Assembly
Organizer: Aviral Shrivastava
- **ESTIMedia 2012**: 10th IEEE Symposium on Embedded Systems for Real-Time Multimedia
Organizers: Jian-Jia Chen, and Maurizio Palesi
- **RSP 2012**: IEEE International Symposium on Rapid System Prototyping
Organizers: Fabiano Hessel, Jérôme Hugues and Frédéric Rousseau.
- **WSS 2012**: Workshop on Software Synthesis
Organizers: Peter Marwedel and Alberto Sangiovanni-Vincentelli.
- **WESE 2012**: Workshop on Embedded and Cyber-Physical Systems Education
Organizers: Peter Marwedel, Jeff Jackson, and Kenneth Ricks.
- **EON 2012**: Workshop on Optimization of Computing at the Edge of Network
Organizers: Shahrokh Daijavid, Sumedh Sathaye and Seraphin Calo
- **WESS 2012**: Workshop on Embedded Systems Security
Organizers: Dimitrios Serpanos
- **MeCoES 2012**: Workshop Metamodeling and Code Generation for Embedded Systems
Organizers: Wolfgang Mueller and Wolfgang Ecker
- **MeAOW 2012**: Memory Architecture and Organization Workshop
Organizers: Jason Xue and Nikil Dutt

Co-located Events

SoC 2012: International Symposium on System-on-Chip 2012, October 11-12, 2012.

Registration is now open at www.esweek.org

Contacts:

ESWeek General Chairs:

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- Luca Carloni, Columbia University, USA (luca@cs.columbia.edu)
- Jari Nurmi, Tampere University of Technology, Finland (jari.nurmi@tut.fi)

ESWeek Local Arrangement Chair: