



Announcement

- ESWeek 2014 will be held in New Delhi, India, from 12-17 October 2014.

Updates

- Oct 2013: Slides for the industrial session on High Level Design have been posted.
- Oct 2013: [Best Paper Awards](#) announced!
- September 2013: Two free ARM University Program Embedded Tutorials announced!
- August 2013: Industrial Panels announced!
- Aug 2013: 3 Keynotes announced!
- July 2013: Conference [registration](#) is now open. Early bird registration deadline is Sept 06, 2013.
- July 2013: [Advance program](#) is now online.
- June 2013: [Hotel Reservation](#) at conference location, Montreal Marriott Chateau Champlain Hotel at discounted room rate of \$179.00 is now open.
- March 2013: Follow the link to the specific conference for paper submission. Abstract should be in plain text with less than 300 words.
- Jan 2013: ESWEEK webpage launched

About Embedded Systems Week

Embedded Systems Week (ESWEEK) is the premier event covering all aspects of embedded systems and software. By bringing together three leading conferences (CASES, CODES+ISSS, and EMSOFT), two symposia (ESTIMedia and RSP) and several workshops and tutorials, ESWeek allows attendees to benefit from a wide range of topics covering the state of the art in embedded systems research and development.

One registration, three conferences

Registered attendees will be allowed to attend sessions in the other conference and tutorials for free: CASES 2013, CODES+ISSS 2013, EMSOFT 2013. Please note that symposia and workshops may require separate registration.

Conferences



International Conference on Compilers, Architecture, and Synthesis for Embedded Systems



International Conference on Hardware - Software Codesign and System Synthesis



International Conference on Embedded Software

Symposia

- [ESTIMedia](#): IEEE Symposium on Embedded Systems for Real-time Multimedia
- [RSP](#): IEEE International Symposium on Rapid System Prototyping

Keynotes

- [Monday Keynote](#): **Cyber Physical Systems: Systems Engineering of Industrial Embedded Systems - Barriers, Enablers and Opportunities**
Speaker: Clas A. Jacobson, Chief Scientist, United Technologies Systems & Controls Engineering
- [Tuesday Keynote](#): **High-Performance, Scalable, General-Purpose Processors to Accelerate High-Throughput Networking and Security Applications**
Speaker: Richard Schooler, Vice President Software Engineering, Tileria Corp.
- [Wednesday Keynote](#): **Low-Power High-Performance Asynchronous Processors**
Speaker: Michel Laurence, CEO and Co-Founder, Octasic Inc.

Industrial Panels

- Industry Panel 1 (Monday): **"System-Level Design and High-Level Synthesis"**
Organizer and Moderator: Andreas Gerstlauer (Univ. of Texas);
Speakers: Yatin Hoskote (Intel), Rishiyur Nikhil (Bluespec), John Sanguinetti (Forte), and Andres Takach (Calypto).
Slides: [Gerstlauer](#), [Hoskote](#), [Nikhil](#), [Takach](#)
- Industry Panel 2 (Tuesday): **"Safety critical and Mixed Critical Systems Research - Are we Addressing the Right Challenges?"**
Organizer and Moderator: Rolf Ernst (TU Braunschweig);

Important Dates

- Abstract Submission
~~March 29, 2013~~
April 05, 2013
11:59 PM, Aleutian Islands Time
- Full Paper Submission
~~April 05, 2012~~
April 12, 2013
11:59 PM, Aleutian Islands Time
- Notification of Acceptance
July 05, 2013
- Camera-ready version
~~July 26, 2013~~
August 02, 2013
- Early Registration Deadline
Sept 06, 2013
- Conference
Sept 29 - Oct 04, 2013

Conferences

- [CASES](#)
- [CODES+ISSS](#)
- [EMSOFT](#)

Organizing Committee

Previous Conferences

- [ESWEEK 2013](#)
- [ESWEEK 2012](#)
- [ESWEEK 2011](#)
- [ESWEEK 2010](#)
- [ESWEEK 2009](#)
- [ESWEEK 2008](#)
- [ESWEEK 2007](#)

Paper search

Speakers: James Anderson (University of North Carolina at Chapel Hill), Madeleine Faugere (Thales Corporate Research), Chris Hobbs (QNX), Nikolay Stoimenov (ETH) and Dirk Ziegenbein (Bosch Corporate Research).

- Industry Panel 3 (Tuesday): "**Modeling Complex Industrial Systems**"
Organizer and Moderator: Alessandro Pinto (UTRC);
Speakers: Alberto Ferrari (Ales), Pieter Mosterman (The Mathworks), and Claudio Pinello (UTRC)

Tutorials

- Tutorial 1: **Methodologies and Tools for Embedded Multisensory Systems Based on ARM Cortex-M Processors**
Organizer and Speaker: Zeljko Zilic (McGill University, Canada)
Format: Full-day; Lectures/Labs
- Tutorial 2: **AADLv2, an Architecture Description Language for the Analysis and Generation of Embedded Systems**
Organizers and Speakers: Jérôme Hugues (ISAE/DMA, Toulouse, France) and Frank Singhoff (UBO/Lab-STICC, Brest, France)
Format: Half-day; Lectures and tools
- Tutorial 3: **Cross-Layer Reliability Modeling and Optimization for Embedded Systems under Process Variations**
Organizers and Speakers: Muhammad Shafique (Karlsruhe Institute of Technology, Germany), Puneet Gupta (University of California - Los Angeles, US), Hiren Patel (University of Waterloo, Canada), and Siddharth Garg (University of Waterloo, Canada)
Format: Half-Day; Lectures, demos of tools
- Tutorial 4: **Mixed-Criticality Systems: Design and Certification Challenges**
Organizers: Madeleine Faugere (Thales Research and Technology, France), Nikolay Stoimenov (ETH Zurich, Switzerland), Lothar Thiele (ETH Zurich, Switzerland)
Speakers: Madeleine Faugere (Thales Research and Technology, France), James Anderson (University of North Carolina at Chapel Hill, US), Claire Pagetti (Onera, France), Pierre Bieber (Onera, France), Virginie Wiels (Onera, France), and Marc Gatti (Thales Avionics, France)
Format: Half-day; Lectures

ARM Embedded Tutorials [\[pdf\]](#)

Note: ARM embedded tutorials are free but require a specific registration (as part of the general ESWeek registration) due to space limitations.

- Embedded Tutorial #1: **Teaching Embedded System Design and Optimization with ARM Cortex-M0+ Microcontrollers**
Speakers: Alexander G. Dean (North Carolina State University) and Khaled Benkrad (ARM University Program)
When: Monday, September 30th from 5:30 to 7:30 PM.
- Embedded Tutorial #2: **mbd Hands-On Instructor Workshop**
Speakers: James Hamblen (Georgia Institute of Technology) and Khaled Benkrad (ARM University Program)
When: Wednesday, October 2nd from 5:30 to 7:30 PM

Workshops

- [FON 2013: Optimization of Computing at the Edge of the Network](#)
Organizer(s): Shahrokh Daijavad and Seraphin Calo (both at IBM T.J. Watson Research Center)
- [MCES 2013: Workshop on Many-Core Embedded Systems](#)
Organizers: [Dr. Yassine Hariri](#) (CMC Microsystems, Canada), and [Dr. Pierre Paulin](#) (STMicroelectronics, Canada)
- [WSS 2013: Workshop on Software Synthesis](#)
Organizers: [Peter Marwedel](#) (TU Dortmund, Germany), and [Alberto Sangiovanni-Vincentelli](#) (UC Berkeley, USA)
- [WESE 2013: Workshop on Embedded and Cyber-Physical Systems Education](#)
Organizers: Chair [Peter Marwedel](#) (TU Dortmund, Germany), [Kenneth Ricks](#) (The University of Alabama, USA), and [Jeff Jackson](#) (The University of Alabama, USA)
- [WESS 2013: Workshop on Embedded Systems Security](#)
Organizers: [Catherine Gebotys](#) (University of Waterloo, Canada), Dimitrios Serpanos (University of Patras, Greece), and [Marilyn Wolf](#) (Georgia Tech, US)
- [BES 2013: Benchmarking of Embedded Systems Workshop](#)
Organizers: [Sebastian Fischmeister](#) (University of Waterloo), Peter A. Stokes (CMC Microsystems), Shay Gal-On (EEMBC), and Darshika G. Perera (CMC Microsystems)
- [MeAOW 2013: Memory Architecture and Organization Workshop](#)
Organizers: [Nikhil Dutt](#) (University of California, Irvine, USA), and [Chun Jason Xue](#) (City University of Hong Kong, Hong Kong)
- [SEC 2013: First International Workshop on the Swarm at the Edge of the Cloud](#)
Organizers: General Chair [Jan Rabaey](#) (UC Berkeley, USA), Co-Chair [Prabal Dutta](#) (Univ. of Michigan, USA), and Co-Chair and [George Pappas](#) (Univ. of Pennsylvania, USA)

- [CASA 2013: Workshop on Compiler Assisted SoC Assembly](#)
Organizers: [Brett H. Meyer](#) (McGill University, Canada)

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Sponsoring societies

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