



Embedded Systems Week

www.esweek.org

Sept. 30 – Oct. 5, 2018

Incontra Convention Center, Torino, Italy



"view of the city of Turin" (http://www.dianliwenmi.com/posting_3861909.html)

Preliminary Call for Papers

- CASES • CODES+ISSS • EMSOFT • IoT • Symposia • Workshops • Tutorials •

About Embedded Systems Week (ESWEEK)

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, EMSOFT), a special track on Internet of Things (IoT), 3 symposia (ESTIMedia, RSP, NOCS) 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 conferences (CASES, CODES+ISSS, EMSOFT) for free. Please note that tutorials, symposia and workshops may require separate registration.

Abstract Submission:

March 27, 2018

Full Paper Submission & Tutorial Proposals:

April 3, 2018 (firm deadline)

Workshop Proposals:

March 27, 2018

Conference:

Sept. 30 ~ Oct. 5, 2018
Torino, Italy



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

CASES is a premier forum where researchers, developers and practitioners exchange information on the latest advances in compilers and architectures for high-performance, low-power embedded systems. The conference has a long tradition of showcasing leading edge research in embedded processor, memory, interconnect, storage architectures and related compiler techniques targeting performance, power, predictability, security, reliability issues for both traditional and emerging application domains. In addition, we invite innovative papers that address design, synthesis, and optimization challenges in heterogeneous and accelerator-rich architectures.

International Conference on Hardware/Software Codesign and System Synthesis



The International Conference on Hardware/Software Codesign and System Synthesis is the premier event in system-level design, modeling, analysis, and implementation of modern embedded and cyber-physical systems, from system-level specification and optimization down to system synthesis of multi-processor hardware/software implementations. The conference is a forum bringing together academic research and industrial practice for all aspects related to system-level and hardware/software co-design. High-quality original papers will be accepted for oral presentation followed by interactive poster sessions.

Symposia

Tutorials



International Conference on Embedded Software

The ACM SIGBED International Conference on Embedded Software (EMSOFT) brings together researchers and developers from academia, industry, and government to advance the science, engineering, and technology of embedded software development. Since 2001, EMSOFT has been the premier venue for cutting-edge research in the design and analysis of software that interacts with physical processes, with a long-standing tradition for results on cyber-physical systems, which compose computation, networking, and physical dynamics.

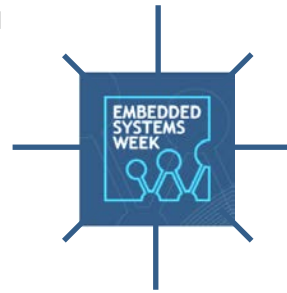
Workshops

Internet-of-Things

IoT

The Internet of Things (IoT) promises to revolutionize fields ranging from health care to manufacturing to personal living by connecting the Internet to physical things. Embedded computing is central to the achievement of the IoT vision – advanced computation, communication, and storage must be delivered in a safe, secure, and reliable manner at extremely low energy levels. The IoT special day is devoted to research on advanced IoT systems. It will provide a forum for academia and industry to present and discuss innovative ideas and solutions related to all facets of internet-of-things.

Keynotes



Journal-integrated Publication Model: The majority of papers presented in ESWEEK 2018 will be published in the IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD)

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- Petru Eles, Linköping University, SE (Vice General Chair)
- Lothar Thiele, Swiss Federal Institute of Technology, CH (Past Chair)

ESWEEK Conference Program Chairs

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- Tulika Mitra, National University of Singapore, SG
- Akash Kumar, Technical University of Dresden, DE

CODES+ISSS

- Aviral Shrivastava, Arizona State University, US
- Sudeep Pasricha, Colorado State University, US

EMSOFT

- Björn Brandenburg, MPI for Software Systems, DE
- Sriram Sankaranarayanan, University of Colorado Boulder, US

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