

Call for Participation: [EMBEDDED SYSTEMS WEEK](#)

CASES * CODES+ISSS * EMSOFT * IoT Day * Symposia * Workshops * Tutorials
Torino Incontra, Torino, Italy, Sept. 30 - Oct. 5, 2018

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 IoT Day, two symposia (RSP, NOCS), and hot-topic workshops and tutorials, ESWEEK presents attendees a wide range of topics unveiling the state of the art in embedded systems design and HW/SW architectures. This year F1/10 challenge is also held as a special event.

Registered attendees are entitled to attend sessions of all conferences.

CASES, CODES+ISSS, EMSOFT, and the IoT Day. Symposia, workshops, F1/10 challenge, and tutorials require separate registration.

Timeline:

- Advance Registration Deadline: September 3, 2018
- Registration page: <https://esweek.org/registration>
- Conference: Sept. 30 - Oct. 5, 2018, Torino, Italy

[Keynotes:](#)

- Monday Keynote: "The First-Order Logic of Signals"
Thomas A. Henzinger, IST Austria
- Tuesday Keynote: "Hitchhiker's Guide to the IoT Galaxy full of Security & Privacy Challenges (An Attempt)"
Ahmad-Reza Sadeghi, TU Darmstadt
- Wednesday Keynote: "Outside-In Autonomous Systems"
Jie Liu, Microsoft Research

Conferences

- [CASES](#): International Conference on Compilers, Architecture, and Synthesis for Embedded Systems
Program Chairs: Tulika Mitra, National University of Singapore, SG
Akash Kumar, Technical University of Dresden, DE
- [CODES+ISSS](#): International Conference on Hardware/Software Codesign & System Synthesis
Program Chairs: Aviral Shrivastava, Arizona State University, US
Sudeep Pasricha, Colorado State University, US
- [EMSOFT](#): International Conference on Embedded Software
Program Chairs: Björn Brandenburg, MPI for Software Systems, DE
Sriram Sankaranarayanan, Univ. of Colorado Boulder, US
- [IoT Day](#): Internet of Things
IoT Chair: Chenyang Lu, Washington University, US

Symposia

- [NOCS](#): International Symposium on Networks-on-Chip
- [RSP](#): International Symposium on Rapid System Prototyping

Tutorials:

- Embedded Machine Learning Today and Tomorrow
- Spectrum of Run-time Management for Modern and Next Generation Multi/Many-core Systems
- Schedulability Analysis under Uncertainty using Formal Methods
- Kickstarting Developing on seL4, The World's Most Trustworthy and Difficult to Work with Microkernel
- A Comprehensive Analysis of Approximate Computing Techniques: From Component- to Application-Level

Workshops:

- International Workshop on Highly Efficient Neural Processing (HENP)
- EWiLi, the embedded operating system workshop
- INTelligent Embedded Systems Architectures and Applications (INTESA)
- Model-Based Design of Cyber Physical Systems (CyPhy'18) & Workshop on Embedded & Cyber-Physical Systems Education (WESE'18)

Organization:

ESWEEK 2018 General Chairs:

Soonhoi Ha, Seoul National University, KR

Petru Eles, Linköping University, SE (Vice General Chair)

Lothar Thiele, Swiss Federal Institute of Technology, CH (Past Chair)

ESWEEK Local Arrangement Chairs:

Luciano Lavagno, Politecnico di Torino, IT

Enrico Bini, University of Torino, IT