

# ESWEEK 2019

Submitted by Anonymous on Mon, 02/18/2019 - 2:04pm

[Oct 13, 2019 7:00 am - Oct 18, 2019 6:00 pm EDT](#)

## Embedded Systems Week (ESWEEK)

CASES \* CODES+ISSS \* EMSOFT \* IoMT \* Symposia \* Workshops \* Tutorials

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 Medical Things (IoMT), a symposium (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.

### **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, lowpower 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 traditional and emerging applications. In addition, we invite innovative papers that address design, synthesis, and optimization in heterogeneous and accelerator-rich architectures.

CASES Program Chairs

- Akash Kumar, Technical University of Dresden, DE
- Partha Pande, Washington State University, US

### **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 longstanding tradition for results on cyber-physical systems, which compose computation, networking, and physical dynamics.

EMSOFT Program Chairs

- Sriram Sankaranarayanan, Univ. of Colorado Boulder, US
- Timothy Bourke, Inria Paris, FR

### **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.

CODES+ISSS Program Chairs

- Sudeep Pasricha, Colorado State University, US
- Roman Lysecky, Arizona State University, US

### **Internet of Medical Things IoMT**

The Internet of Medical Things (IoMT) paves the foundations for intelligent and reliable personalized precision medicine.

Grounded in the mathematical and physical modeling of human anatomy and physiology, it offers accurate multiscale medical monitoring through smart sensing, enabling continuous diagnosis via on-fly communication with medical experts. It provides hyperspectral and hyperdimensional processing and restores health through patient-specific actuation. The IoMT special day provides a forum for academic and industry representatives from areas such as medical and bioengineering and embedded systems to discuss innovative ideas and solutions for precise personalized medicine. Submissions to the IoMT day are via the three conferences.

IoMT Chairs

- Insup Lee, University of Pennsylvania, US
- Paul Bogdan, University of Southern California, US

#### ESWEEK 2019 General Chairs

- \* Petru Eles, Linköping University, SE
- \* Tulika Mitra, National University of Singapore, SG
- \* Soonhoi Ha, Seoul National University, KR

#### ESWEEK Conference Program Chairs CASES

- \* Akash Kumar, Technical University of Dresden, DE
- \* Partha Pande, Washington State University, US

#### CODES+ISSS

- \* Sudeep Pasricha, Colorado State University, US
- \* Roman Lysecky, Arizona State University, US

#### EMSOFT

- \* Sriram Sankaranarayanan, Univ. of Colorado Boulder, US
- \* Timothy Bourke, Inria Paris, FR

#### **ESWEEK Organizational Chairs**

##### Local Arrangement Chairs

- \* Ramesh Karri, New York University, US
- \* Siddarth Garg, New York University, US

##### ESWEEK Conference Chair

- \* Ramesh Karri, New York University, US

##### Finance Chair

- \* Andy Pimentel, University of Amsterdam, NL

##### Workshop Chair

- \* Laura Pozzi, USI Lugano, CH

##### Tutorials and Special Sessions Chair

- \* Andreas Gerstlauer, University of Texas Austin, US

##### Publication Chair

- \* Chengmo Yang, University of Delaware, US

#### Web Chair

- \* Hoeseok Yang, Ajou University, KR

#### Publicity Chair

- \* Lars Bauer, Karlsruhe Institute of Technology, DE

#### Industry Liaison Committee Chairs

- \* Andreas Herkersdorf, TU Munich, DE
- \* Umit Ogras, Arizona State University, US

#### Awards Chair

- \* Jurgen Teich, University Erlangen-Nurnberg, DE

#### Special Day Chairs

- \* Insup Lee, University of Pennsylvania, US
- \* Paul Bogdan, University of Southern California, US

#### Panel Chair

- \* David Atienza, EPFL Lausanne, CH

Event Details

**Location:** New York, NY

**URL:** <https://www.esweek.org/>

[Sync this event to your calendar](#)



[Embedded Software Systems Engineering CPS Technologies Conference ES Week 2019 2019](#)

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