



TORINO, ITALY

July 4-8, 2017



IEEE

IEEE
computer
society



COMPSAC 2017

Building Digital Autonomy for a Sustainable World

Hosted by the Politecnico di Torino, Turin, Italy

July 4-8

<https://www.computer.org/web/compsac2017>



COMPSAC is the IEEE Computer Society Signature Conference on Computers, Software, and Applications. It is a major international forum for academia, industry, and government to discuss research results and advancements, emerging problems, and future trends in computer and software technologies and applications. The technical program includes keynote addresses, research papers, industrial case studies, plenary and specialized panels, fast abstracts, a doctoral symposium, poster sessions, and a number of workshops and tutorials on emerging and important topics. The theme of the 41st COMPSAC is *Building Digital Autonomy for a Sustainable World*.

Our world changes constantly, driven by the desire to make our lives more convenient, safe and enjoyable. Once the lore of science-fiction, we now share our planet with billions of automated processes, functioning under the control of computer systems we have developed. As we enjoy the advantages they provide, we can't help but wonder: what will be the next major technical innovations and where might they lead us? We've seen conventional automobiles become self-driving cars, human-directed systems become adapted ones, and human services enhanced by robotic services. Clearly, the movement from physical to cyber-enhanced domains is rapid and increasing, calling upon ever-more exciting innovations in computers, software, and applications.

COMPSAC 2017 will provide a forum for in-depth presentations and discussions of the technical challenges, successes, and failures of moving from traditional, person-centered and directed activities and services to those that are the focus of autonomous systems. Sessions will include topics and issues related to autonomous computing, wearable computing, the internet-of-things, social networking, cross-domain data fusion, privacy, security and surveillance, cloud computing, big data, physiological computing, self-aware and self-expressive systems, adaptive learning and teaching, and emerging architectures and network issues that affect all these developing technology-driven innovations.

Authors are invited to submit original, unpublished research work, as well as industrial practice reports. Simultaneous submission to other publication venues is not permitted. In accordance with IEEE policy, submitted manuscripts will be checked for plagiarism; instances of alleged misconduct will be handled according to the IEEE Publication Services and Product Board Operations Manual. Detailed instructions for electronic paper submission, panel, workshop, and tutorial proposals, fast abstracts, industry papers, poster papers, doctoral symposium, and the review process are available at <https://www.computer.org/web/compsac2017>.

IMPORTANT DATES

Workshop Proposals Due:

15 October 2016

Workshop Proposal Notification:

15 November 2016

Main Conference Papers Due:

13 January 2017

Main Conference Notification:

27 March 2017

Workshop Papers Due:

10 April 2017

Workshop Paper Notification:

25 April 2017

Camera Ready and Registration Due:

9 May 2017

2017 ORGANIZERS

Advisory Committee Chair:

Sorel Reisman, California State University, USA

Contact: sreisman@computer.org

Steering Committee Chair:

Sheikh Iqbal Ahamed, Marquette University, USA

Contact: sheikh.ahamed@marquette.edu

General Chairs:

Claudio Demartini, Politecnico di Torino, Turin, Italy

Tom Conte, Georgia Institute of Technology, USA

Program Chairs in Chief:

Lin Liu, Tsinghua University, China

William Claycomb, Carnegie Mellon University, USA

Motonori Nakamura, NII, Japan

Edmundo Tovar, Universidad Politecnica de Madrid, Spain

Workshop Chairs:

Chung-Horng Lung, Carleton University, Canada

Hiroki Takakura, NII, Japan

Ji-Jiang Yang, Tsinghua University, China

Stelvio Cimato, University of Milan, Italy