

# COMPSAC 2020

Madrid, Spain

July 13-17, 2020

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 challenges, and future trends in computer and software technologies and applications. The theme of COMPSAC 2020 is “Driving Intelligent Transformation of the Digital World”.

Staying relevant in a constantly evolving digital landscape is a challenge faced by researchers, developers, and producers in virtually every industry and area of study. Once limited to software-enabled devices, the ubiquity of digitally-enabled systems makes this challenge a universal issue. Furthermore, as relevance fuels change, many influencers will offer solutions that benefit their own priorities. Fortunately, history has shown that the building blocks of digital change are forged by those conducting foundational research and development of digital systems and human interactions. Artificial Intelligence is not new, but is much more utilized in everyday computing now that data and processing resources are more economically viable, hence widely available. The opportunity to drive the use of this powerful tool in transforming the digital world is yours. Will your results help define the path ahead, or will you relegate those decisions to those with different priorities for utilizing intelligence in digital systems? COMPSAC has been and continues to be a highly respected venue for the dissemination of key research on computer and software systems and applications, and has influenced fundamental developments in these fields for over 40 years. COMPSAC 2020 is your opportunity to add your mark to this ongoing journey, and we highly encourage your submission!

COMPSAC 2020, organized as a tightly integrated union of symposia, will focus on technical aspects of issues relevant to intelligent transformation of the digital world. The technical program will include keynote addresses, research papers, industrial case studies, fast abstracts, a doctoral symposium, poster sessions, and workshops and tutorials on emerging and important topics related to the conference theme. Highlights of the conference will include plenary and specialized panels that will address the technical challenges facing researchers and practitioners who are driving fundamental changes in intelligent systems and applications. Panels will also address cultural and societal challenges for a society whose members must continue to learn to live, work, and play in the environments the technologies produce.

Authors are invited to submit original, unpublished research work, as well as industrial practice reports. Simultaneous submission to other publication venues is not permitted. All submissions must adhere to IEEE Publishing Policies, and will be vetted through the IEEE CrossCheck portal. Further info is available at [www.compsac.org](http://www.compsac.org). Conference authors and authors of previously published papers should visit <https://ieeecompsac.computer.org/2020/jc-cj/> to view special publishing opportunities available at COMPSAC.

## Organizers

**Standing Committee Chair:** Sorel Reisman (California State University, USA)

**Steering Committee Chair:** Sheikh Iqbal Ahamed (Marquette University, USA)

**General Chairs:** Mohammad Zulkernine (Queen's University, Canada), Edmundo Tovar (Universidad Politécnica de Madrid, Spain), Hironori Kasahara (Waseda University, Japan)

**Program Chairs in Chief:** W. K. Chan (City University, Hong Kong), Bill Claycomb (Carnegie Mellon University, USA), Hiroki Takakura (National Institute of Informatics, Japan)

**Workshop Chairs:** Ji-Jiang Yang (Tsinghua University, USA), Yuuichi Teranishi (National Institute of Information and Communications Technology, Japan), Dave Towey (University of Nottingham Ningbo China, China), Sergio Segura (University of Seville, Spain)

**Local Chairs:** Sergio Martin (UNED, Spain), Manuel Castro (UNED, Spain)

## Important Dates

**Main conference papers due: Extended to 18 February 2020**

Main conference paper notification: 3 April 2020

Journal/Conference (JC) submissions due: 10 April 2020

Journal/Conference (JC) notifications: 30 April 2020

Workshop papers due: 9 April 2020

Workshop papers notification: 1 May 2020

Camera-ready and registration due: 15 May 2020



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