



Call for Papers

SMARTCOMP is targeted to be a premier conference on smart computing, which represents the next wave of computing driven by the advances in the knowledge and technology of sensing, Internet of Things (IoT), big data, machine learning, cognitive computing and Artificial Intelligence (AI). It is emerging as an important multidisciplinary area, covering three major topics: how to design novel concepts, models and algorithms for smart computing; how to build and validate smart computing systems, platforms and frameworks; and how to innovate computing technology for diverse societal applications to improve the human experience. Applications of smart computing span different societal domains including, but not limited to, transportation, energy, environmental protection, smart and connected communities, healthcare, banking, entertainment, and social media. Algorithmic and system advancements of cloud computing, mobile/pervasive computing, cyber-physical systems, sensor networking and social computing are bringing smart computing approaches to a newer dimension and improving our ways of living.

SMARTCOMP 2017 invites high quality papers on original research in advance algorithms, system platforms, and technologies for smart computing. With the theme “Smart Living through Computing”, SMARTCOMP 2017 will be a forum for the presentation and exchange of cutting-edge ideas. The conference will also feature forums and panel with distinguished scholars and industrial experts.

SMARTCOMP 2017 will include smart computing innovations in all different technology aspects including pervasive/ubiquitous computing, cloud computing, sensor networks, internet of things, big data analytics, security and privacy, social computing, cognitive computing, cyber-physical systems with their validation within smart computing environments, and applications such as smart buildings, smart cities, smart grids, precision agriculture and other societal applications contributing to smart living. Submissions may be targeted within, but not limited to, the following three major topics and their sub-topics:

SMART COMPUTING CONCEPTS, MODELS AND ALGORITHMS:

- * Future Smart Computing Paradigms
- * Models of Smart Environments
- * Algorithms for Smart Computing

SMART COMPUTING SYSTEMS:

- * Security, Privacy, and Economics in Smart Environments
- * Cyber-physical System Platforms for Smart Environments
- * Middleware Platforms for Smart Environments
- * Mobile and Ubiquitous Platforms for Smart Environments

SMART COMPUTING TECHNOLOGIES AND APPLICATIONS:

- * Smart Precision Agriculture
- * Smart Transportation
- * Smart FinTech
- * Smart Food-Energy-Water Nexus
- * Smart Health
- * Smart Communities
- * Smart Human Environments, Entertainment, and Social Activities
- * Smart Energy Management and Analytics

Paper submissions should be no longer than 8 pages and formatted according to the IEEE conference template. Papers must be submitted electronically as PDF files. All submitted papers will be subject to peer reviews by Technical Program Committee members and other experts in the field. All presented papers in the conference will be published in the proceedings of the conference and submitted to the IEEE Xplore Digital Library. Selected high-quality papers will be invited to submit (with substantial extension) for fast track publication on the Elsevier Journal on Pervasive and Mobile Computing (SCI indexed).

* Pending for in-cooperation with ACM SigAPP

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Jiannong Cao (PolyU, Hong Kong)
Julie McCann (Imperial College London, UK)

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Klara Nahrstedt (UIUC, USA)
Xue Liu (McGill, Canada)

Workshop Co-Chairs

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Shusen Yang (Xian Jiaotong Univ., China)

Panel Co-Chairs

Chunming Rong (Univ. of Stavanger, Norway)
Daqing Zhang (Beijing Univ., China)

WIP/Demo Co-Chairs

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Albert Zomaya (Univ. of Sydney, Australia)

Important Dates

Paper Submission: 20 February 2017
(extended)
Notification: 27 March 2017
Camera Ready: 28 April 2017
Video Submission: 5 May 2017

General Enquiries:

smartcomp2017@comp.polyu.edu.hk