IEEE International Performance Computing and Communications Conference (IPCCC 2018)

A Special Session on

Computing and Communications from IOTs to Data-Centric Systems

Hilton Orlando, Buena Vista Palace
Orlando, Florida, USA
November 17th – 19th, 2018
http://www.ipccc.org/

Submission Deadline: August 24, 2018.

Scope and Topics

Computing and communications span most of the advances that are shaping the society. This special session is aiming to be an open forum for academic and industrial research efforts in IOT systems to data-centric systems and all that's in between.

This special session solicits unpublished research work related to the latest challenges, technologies, solutions, techniques and fundamentals pertaining to computing and communications for all connected devices whether IOTs, CPS, or otherwise.

Topics include but are not limited to:

· Cyber-physical and IOT issues in next-generation communication systems
· Real-time Sensing, Reasoning and Adaptation
· Cloud-integrated Cyber-Physical Systems.
· Evolutionary computing for CPS.
· Security and Privacy
· Computational Models
· Testing and verification
· Performance evaluation
· Mobile and sensors networks
· Adaptive Control in Cyber-Physical Systems
· Industrial applications
· Distributed computing.
· Autonomous systems and UAVs.
· Applications of CPS/IOTs in eHealth, life sciences, energy, smart cities.
· Safety-critical, dependable, fault-tolerant systems.
· Distributed, highly networked architectures
· Communication and Infotainment Systems in vehicles
· Networking for intelligent mobility and transport infrastructures

- Intelligent and collaborative methods
- Simulation and visualization.
- Machine Learning for computing and communication and its applications on IOTs and CPS
- High Performance, Parallel, distributed, Grid, Cluster, and cloud systems

Submission Instructions

Submitted papers must be neither previously published nor under review by another workshop, conference or journal. Only electronic submissions in PDF will be accepted. Submitted regular papers must be written in English, must be no longer than 6 pages in 10-point font, must render without error using standard PDF viewing tools, must print on US-Letter-sized paper, and must include the author names and affiliations in the first page. An extra page is allowed with a $100 fee.

Submitted manuscripts must be using 10-point size font on 8.5x11 inch pages (IEEE IPCCC conference style), including figures, tables, and references. See style templates for details:
IEEE Manuscript Templates for Conference Proceedings

The authors of regular papers will deliver oral presentations. The authors of demo and poster papers will deliver system demonstrations and poster presentations, respectively. All accepted papers will be published by in IEEE IPCCC proceedings and indexed by IEEEXplore.

All paper should be submitted using the EDAS system:
https://edas.info/newPaper.php?c=24829

Important Dates

- Paper Submission Deadline: August 24, 2018
- Notification of Acceptance: September 15, 2018
- Final paper and Author Registration: October 1, 2018.

IEEE IPCCC-2018 Workshop Chairs
Prof. Abdel-Hameed A. Badawy and Dr. Amjad Gawanmeh
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