

The 11th IEEE Conference on Cyber, Physical and Social Computing (CPSCoM-2018)

July 30 - August 03, 2018, Halifax, Canada

IMPORTANT DATES

Workshop Proposal Due: Jan. 31, 2018
Paper Submission Deadline: Feb. 10, 2018
Author Notification Date: Apr. 10, 2018
Camera-ready Deadline: May 15, 2018

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Cyber-enabled New Physical and Social Systems

As an emerging cross-disciplinary research area, Cyber Physical System (CPS) is attracting research interests worldwide. CPS features an integration of computational and physical elements, which are capable of interacting and influencing each other. Furthermore, social systems are evolving with cyber systems and physical systems along with the popularity of online social networking. With the advent of ubiquitous sensing and networking, future social networks incorporate cyber-physical interactions, which are associated social attributes.

The 2018 IEEE International Conference on Cyber, Physical and Social Computing (CPSCoM 2018) will provide a high-profile, leading-edge forum for researchers, engineers, and practitioners to present state-of-art advances and innovations in theoretical foundations, systems, infrastructure, tools, testbeds, and applications for CPSCoM, as well as to identify emerging research topics and define the future. We seek submissions of papers which describe new techniques, introduce innovative ideas, propose new research directions and discuss solutions for cyber-enabled new physical and social systems.

IEEE CPSCoM-2018 Topics

Track 1: Systems & Design

- ✧ Efficient architectures
- ✧ Low power systems
- ✧ Real-time systems
- ✧ Wearable devices management
- ✧ System-level design methodology
- ✧ Embedded hardware and software
- ✧ Hyper-connected smart devices
- ✧ Embedded middleware design

Track 2: Data & Services

- ✧ Data processing and AI
- ✧ Data-driven services in CPSCoM
- ✧ Data mining platforms for CPSCoM
- ✧ Cloud/edge computing & commun.
- ✧ QoS in CPSCoM
- ✧ Distributed computing
- ✧ Smart services platform
- ✧ Energy efficient computing

Track 3: Networks & Commun.

- ✧ Wireless sensor networks
- ✧ Radio frequency identification
- ✧ Sensor network and communications
- ✧ 5G oriented sensing systems
- ✧ Communications in edge computing
- ✧ Machine-to-machine communications
- ✧ Energy efficient in wireless networks
- ✧ Learning techniques in smart sensing

Track 4: Technologies & Applics.

- ✧ Narrow band Internet-of-Things
- ✧ E-Health in CPSCoM
- ✧ Software defined services
- ✧ Smart City
- ✧ Privacy and privacy-preserving systems
- ✧ Digital clone
- ✧ Ubiquitous intelligence and application
- ✧ Industrial Internet of Things

PAPER SUBMISSION

Main conference papers are limited to 8 pages (full paper), or 6 pages (workshop or special session paper), and 2-4 pages for a poster paper following the IEEE proceedings format, and are to be submitted as PDF via the site: <https://edas.info/newPaper.php?c=24611>

PAPER PUBLICATION

Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed). At least one author of each accepted paper is required to register and present their work at the conference; otherwise the paper will not be included in the proceedings. Selected papers, after further extensions and revisions, will be recommended to journal special issues. More details at the conference website: <http://cse.stfx.ca/~CPSCoM2018/index.php>.

CONTACT: CPSCoM2018@googlegroups.com

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