

**The 2nd International Workshop on
Communication, Computing, and Networking in Cyber Physical Systems
(CCN-CPS 2017)**

<https://sites.google.com/site/ccncps/>

In association with

IEEE the 37th International Conference on Distributed Computing Systems
(IEEE ICDCS 2017)

June 5 - 8, 2017, J.W. Marriott Hotel, Buckhead, Atlanta, GA, USA

<http://icdcs2017.gatech.edu/>

The new paradigms and tremendous advances in computing, communications and control have provided and supported wide range of applications in all domains of life, in particular, bridging the physical components and the cyber space leading to the Cyber Physical Systems (CPS). The notion of CPS is to use recent computing, communication, and control methods to design and operate intelligent and autonomous systems using cutting edge technologies. This requires the use of computing resources for sensing, processing, analysis, predicting, understanding of data, and then communication resources for interaction, intervention, and interface management, and finally provide control for systems so that they can inter-operate, evolve, and run in a stable evidence-based environment. CPS has extraordinary significance for the future of several industrial domains and hence, it is expected that the complexity in CPS will continue to increase due to the integration of cyber components with physical and industrial systems.

Purpose and scope

This workshop solicits unpublished research work related to the latest challenges, technologies, solutions, techniques and fundamentals pertaining to communication, computing, networking, control. Topics of interest include but not limited to:

- Cyber-physical issues in the design of next-generation communication systems
- Real-time Sensing, Reasoning and Adaptation for Cyber-Physical Systems
- Cloud-integrated Cyber-Physical Systems.
- Evolutionary computing for CPS.
- Design Theory for Cyber-Physical Systems
- Cyber-Physical Systems Security and Privacy
- Computation Models for Cyber-Physical Systems
- Addresses computation issues in CPS
- Verification and Formal Methods for Cyber-Physical Systems
- Mobile Sensors in Cyber-Physical Systems
- Design and Performance Optimization in Cyber-Physical Systems
- Adaptive Control in Cyber-Physical Systems
- Distributed computing for CPS.
- Autonomous systems and UAVs.
- Communication and Networking for Cyber-Physical Systems
- Applications of CPS on e-Health, life sciences, energy, and smart cities.
- Optimizing computing and communication resources for cyber-physical systems
- Safety-critical, dependable, fault-tolerant cyber-physical systems
- Distributed, highly networked architectures for interconnected CPS

- Communication and Infotainment Systems in CPS such as vehicles
- Networking for intelligent mobility and transport infrastructures
- Sensor networks for cyber-physical systems
- Intelligent and collaborative methods for CPS
- Simulation and visualization of CPS.
- Testing and Validation of CPS.
- Other related issues

Submission

Perspective authors are invited to submit their papers using EDAS System (EDAS LINK). Each submission can have up to 8 pages with 10pt font or larger. If the submission is accepted for publication, up to 2 over-length pages may be purchased for the final camera-ready version for \$200 per page as per IEEE policy. Submissions should NOT be blinded for review. Papers will be reviewed with the standard reviewing procedure (with at least 3 independent anonymous reviews). Accepted papers will be published in conference proceedings and indexed by IEEE Explore (<http://ieeexplore.ieee.org/>). Authors can use the standard IEEE templates for Microsoft Word or LaTeX formats that can be found at: http://www.ieee.org/conferences_events/conferences/publishing/templates.html. All submissions should follow the IEEE 8.5" x 11" Two-Column Format. When using LaTeX, we recommend the following format options:
`\documentclass[10pt,conference,compsocconf,letterpaper]{IEEEtran}.`

Submission link: <https://edas.info/newPaper.php?c=23084>

Important Dates

- Papers Submissions Deadline:	Jan. 20, 2017
- Notification of Acceptance:	Mar. 20, 2017
- Deadline for Author Registration:	Apr. 20, 2017
- Deadline for Camera-ready Papers:	Apr. 20, 2017

IMPORTANT IEEE POLICY ANNOUNCEMENT

The IEEE reserves the right to exclude a paper from distribution after the conference (including its removal from IEEE Xplore) if the paper is not presented.

Note: To be published in the IEEE ICDCS Proceedings and to be eligible for publication in IEEE /Xplore@/, an author of an accepted paper is required to register for the workshop and the paper must be presented by an author of that paper at the workshop unless the TPC Chair grants permission for a substitute presenter arranged in advance of the event and who is qualified both to present and answer questions. Non-refundable registration fees must be paid prior to uploading the final IEEE formatted, publication-ready version of the paper. For authors with multiple accepted papers in the workshop, one registration is valid for up to 2 papers. Papers will be published in the IEEE ICDCS 2017 Workshop Proceedings and submitted to IEEE /Xplore@/.

IEEE ICDCS-CCNCPS 2017 Workshop Chairs
 For inquiries contact chairs at: IEEE.CCNCPS@gmail.com