12th ACM/IEEE International Conference on Cyber-Physical Systems (ICCPS 2021)

Nashville, Tennessee, USA
19TH – 21ST MAY 2021

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Overview: As computing and communication become faster, cheaper, and more readily available in energy-efficient platforms, the potential for advanced capabilities in engineered systems becomes manifest. Cyber-physical systems (CPS) are physical and engineered systems whose operations are monitored, coordinated, controlled, and integrated by computing and communication. The deployment of CPS is profoundly transforming how we interact with the physical world, just as the world wide web transformed how we interact with one another. Further harnessing the capabilities of CPS will have enormous societal and economic impact.

ACM/IEEE ICCPS is the premier single-track conference for advances in CPS, including theory, tools, applications, systems, testbeds, and field deployments. The conference focuses on the development of fundamental principles that underpin the integration of cyber and physical elements, as well as on the development of technologies, tools, architectures, and infrastructure for building CPS systems. Relevant research areas include security, control, optimization, machine learning, game theory, mechanism design, mobile and cloud computing, model-based design, data mining and analytics, autonomous systems, human-in-the-loop systems, and shared or supervisory control. Design, implementation, and investigation of CPS applications are also of interest, in domains including (but not limited to) transportation, energy, water, agriculture, medical and assistive technology, sensor networks, robotics, smart cities, ecological systems, and supply chains.

Submissions: All submissions must be in English. Only original papers that are not submitted or published in other conferences or journals will be considered. ICCPS 2021 will employ a *light-weight double-blind* review for submitted papers, in which authors must adhere to two rules: (i) authors' names and institutions must be omitted; and (ii) reference to the authors' own related work should be in the third person. Manuscripts should have a main body with no more than 10 pages including references in ACM two-column conference style, using US Letter (8.5-inch x 11 inch) paper size. An appendix of up to two additional pages may follow the main body of the paper, within the same submitted .pdf file. The paper must be in the same format as that in the final published proceedings (without author information).

http://iccps.acm.org/2021

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IMPORTANT DATES

Paper submission: October 26, 2020
Decision notification: December 23, 2020
Camera-ready submission: March 1, 2021