Special Issue on

Artificial Intelligence and Cyber-Physical Systems

Call for Papers

Cyber-Physical Systems (CPS) intelligently control and coordinate physical components with computer-based algorithms/platforms tightly, capable of autonomously interacting to their physical surroundings, by combining different sensors, embedded computational artificial intelligence (AI) and various communication methodologies. As an increasing demand for these intelligent CPS, such as autonomous vehicles and smart appliances, this special issue invites original work from researchers, scientists, and academicians to report the latest advances in technologies and novel approaches in the different aspects of AI and CPS, including systems hardware, software, applications, networks, design and implementation, and case studies.

To realize the vision of AI-enabled CPS, in this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on AI and CPS. There are several research areas we can expect to come to the fore, but not limited to:

- AI in IoT devices
- AI in robotics
- Machine learning for CPS design
- Networking to enable AI in CPS
- Security, privacy, reliability issue in AI-enabled CPS
- Simulation, evaluation and validation of AI-enabled CPS
- Applications in autonomous driving, smart manufacturing, health care, smart building, etc.

Authors should read over the journal's For Authors carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's Paper Submission System.

Please kindly specify the "**Special Issue**" under your manuscript title. The research field "**Special Issue –*Artificial Intelligence and Cyber-Physical Systems***" should be selected during your submission.

Special Issue timetable:

Submission Deadline	March 15th, 2021
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