



IEEE-CYBER 2023

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CYBER Technology in Automation, Control, and Intelligent Systems

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Call for Papers

IEEE-CYBER is sponsored by IEEE Robotics & Automation Society focusing on the advanced Cyber technique in automation, control, and intelligent cyber systems. Accepted papers will be submitted for inclusion into IEEE Xplore and EI subject to meeting IEEE Xplore's scope and quality requirements. Extended abstracts are also encouraged to submit to the conference. The Conference Topics include (but not limited to):

CPS/Industrial Intelligence:

Embedded systems; integrated sensing, communication, control and decision systems; chemical, biological, physical diagnostic and implantable systems; intelligent systems; process industries; intelligent manufacturing; power grids; sustainable and distributed energy systems, etc.

Modeling/ Control/Optimization:

Adaptive control; networked control; multi-agent systems; control of energy systems; hybrid control; intelligent automation; factory modeling and simulation; automation in life sciences and healthcare; dynamic optimization; planning, scheduling and coordinations, etc.

Robotics/Unmanned Systems:

Localization, navigation and mapping; robot sensing and data fusion; perception systems; human-machine interaction; soft robot; service robot; assistive robot; medical robot; space and underwater robots; search, rescue and field robotics; industry robot; cooperative robot, etc.

Internet of Things/Digital Twins:

Advanced "Internet of Things" technologies and applications; E-commerce; mobile commerce; logistics; transportation related issues; cyber security for energy and communication infrastructures; wireless, optical, and hybrid communications systems; internet security; digital twins environment, etc.

Sensors/Masurement Technologies:

Optical Fiber Sensors; intelligent sensor networks and systems; intelligent sensors in industrial practice; data analysis from multi-sensors using artificial intelligence; vision sensors; edge computing technologies; sensors for extreme environmental applications, etc.

Carbon Peaking and Neutrality/Energy Systems:

Green and low-carbon transformations; carbon capture, utilization, and sequestration; carbon emission studies; emerging technologies on carbon emission reduction and absorption; integrated energy systems; wind power and solar photovoltaics generation systems, etc.



Important Dates:

- April 10, 2023 Submission Deadline
- April 30, 2023 Notification of acceptance
- May 15, 2023 Final full paper and submission

