

2024 IEEE CSR Workshop on Autonomic Computing for Secure Industrial Control Systems and Industrial-IoT (ACSICS)

Call for Papers

Important dates

Paper submission deadline:

June 3, 2024 AoE

Authors' notification:

July 3, 2024 AoE

Camera-ready submission:

July 14, 2024 AoE

Early registration deadline:

July 20, 2024 AoE

Workshop dates:

September 2–4, 2024

Workshop chairs

Christopher Rouff (US)

Lanier Watkins (US)

Joe Mauro (US)

Ali Tekeoglu (US)

Technical program committee

James Cervini (US)

Daniel Davenport (US)

Cameron Hickert (US)

Daniel Muller (US)

Pratik Satam (US)

Tamim Sookoor (US)

Roy Sterritt (UK)

Mohammad Younis (US)

Sebastian Zanolongo (US)

Victor Zhu (US)

Publicity chairs

Name (Country)

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Industrial control systems (ICS) networks stand out as prime targets for global attackers due to their critical role as the essential part of any nation's infrastructure. The autonomy and proactive nature of autonomic systems make them inherently preventive, acting as a barrier against potential threats. The supplementary advantage of explainability plays a crucial role in fostering human trust, a particularly vital aspect in an era marked by low confidence in artificial intelligence (AI). **Please, consider expanding the workshop's scientific scope description (max 300 words)**

The workshop is held in conjunction with the IEEE CSR 2024 conference as a **hybrid event**, during September 2–4, 2024. Prospective authors are encouraged to submit previously unpublished contributions from a broad range of topics, which include but are not limited to the following:

- › Autonomic computing (AC) inspired methods for ICS/SCADA security and resiliency
- › Artificial intelligence techniques for improving ICS/SCADA security and resiliency
- › Autonomous, self-managing security systems for ICS/SCADA
- › Machine Learning methods for detection and prevention of ICS/SCADA security threats
- › Application of self-CHOP and self-* properties for secure and resilient ICS/SCADA/OT/IoT/IIoT systems
- › Autonomic security management for ICS/SCADA

The CSR ACSICS workshop will accept high-quality research papers presenting strong theoretical contributions, applied research and innovation results obtained from funded cyber-security and resilience projects, and industrial papers that promote contributions on technology development and contemporary implementations.

Submitted manuscripts should not exceed 6 pages (plus 2 extra pages, being subject to overlength page charges) and should be of sufficient detail to be evaluated by expert reviewers in the field. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Detailed information about paper submission and guidelines for authors can be found at the workshop's website <https://www.ieee-csr.org/acsics>.