

Eighth Annual Industrial Control System Security (ICSS) Workshop

The eighth Industrial Control System Security (ICSS) Workshop will be held on Tuesday, December 6, 2022, in conjunction with the Annual Computer Security Applications Conference (ACSAC). ACSAC will be held at the AT&T Conference Center in Austin, Texas

Call for Papers. Supervisory control and data acquisition (SCADA) and industrial control systems (ICS) monitor and control a wide range of industrial and infrastructure processes such as water treatment, power generation and transmission, oil and gas refining, and steel manufacturing. Furthermore, the Industrial Internet of Things (IIoT) is rapidly expanding the interconnectivity of ICS environments and introducing many new threats. These environments have been identified as a key target of more generic threats (ransomware), along with more recent tailored nation-state threats targeting safety instrumented systems (TRISIS).

The critical requirement for high availability in SCADA and industrial control systems, along with the use of resource-constrained computing devices, legacy operating systems, and proprietary software applications limits the applicability of traditional information security solutions. The goal of this workshop is to explore new techniques to improve the security-critical control systems in the face of emerging threats. Papers of interest including (but not limited to) the following subject categories are solicited:

- IIoT security
- Intrusion detection and prevention
- Emerging threats to ICS
- Vulnerability analysis and risk management
- Digital forensics for ICS/PLCs
- ICS-oriented cybersecurity education
- Performance evaluation of security methods and tools in control systems
- Innovative ICS/SCADA testbed designs
- Supply chain vulnerabilities and protections

Technical Paper Submissions

Submissions should be 5-10 pages, using the double-column ACM proceedings format (acmart) template available at <https://www.acm.org/publications/taps/word-template-workflow>, with the [sigconf, anonymous] options. Two additional pages can be used for the Appendix. Note that the reviewers are not expected to read the Appendix.

All submissions must be **anonymous**.

The submission website is at <https://easychair.org/my/conference?conf=icss22>.

Publication

The accepted workshop papers and slides will be published on the ACSAC website with open access. Last year's proceedings are available at <https://www.acsac.org/2021/workshops/icss/>

Important Date

Submission Deadline: September 12, 2022
Acceptance Notification: October 14, 2022
Final Manuscript due: November 4, 2022
Workshop Date: December 6, 2022

Further details about the workshop can be found on the workshop website:

<https://www.acsac.org/2022/workshops/icss/>

Contact the workshop organizers at icss22@easychair.org

Organizing Committees

General Co-Chairs:

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Workshop Registration

If you are interested in attending, please check off the appropriate box on the conference registration form and add in the Industrial Control System Security (ICSS) Workshop fee.