Ninth Annual Industrial Control System Security (ICSS) Workshop

The ninth Industrial Control System Security (ICSS) Workshop will be held on Tuesday, December 5, 2023, 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 critical industrial and infrastructure processes, such as water treatment, power generation and transmission, oil and gas refining, and 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, e.g., CL0p), along with more recent tailored nation-state threats targeting electric transmission and distribution systems (e.g., COSMICENERGY).

The essential 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 that are more effective and efficient at improving the security and resilience of 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
- Techniques for engineering high(er) assurance ICSs

- ICS-oriented cybersecurity education
- Performance evaluation of security methods and tools in control systems
- Innovative ICS/SCADA testbed designs
- Supply chain vulnerabilities and protections
- Modeling ICS security and resilience properties

Technical Paper Submissions

Submissions should be 6-10 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 https://easychair.org/conferences/?conf=icss23

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/2022/workshops/icss/

Important Date

Submission Deadline: ~~September 1, 2023~~ September 15, 2023
Acceptance Notification: ~~October 6, 2023~~ October 12, 2023
Final Manuscript due: November 3, 2023
Workshop Date: December 5, 2023

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

https://www.acsac.org/2023/workshops/icss/

Contact the workshop organizers at icss23@easychair.org

Organizing Committees

General Co-Chairs:
Harvey Rubinovitz, The MITRE Corporation
Greg Shannon, Idaho National Laboratory

Program Co-Chairs:
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Neil Rowe, U.S. Naval Postgraduate School
Julian Rrushi, Oakland University
Quanyan Zhu, New York University
Saman Zonouz, Georgia Institute of Technology

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.

For accepted papers, at least one author must register and attend.