Sixth Annual Industrial Control System Security (ICSS) Workshop

The sixth Industrial Control System Security Workshop will be held in Austin, Texas, Tuesday, December 8, 2020, in conjunction with the Annual Computer Security Applications Conference (ACSAC).

Statement on COVID19. This workshop and ACSAC is being held Virtually this year. More information is available at the conference site, https://www.acsac.org/

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.

Submissions should not use older ACM templates (e.g., sig-alternate). If you encounter any problems with the acmart template, please contact acmtexsupport@aptaracorp.com. You can also report problems with the template to https://github.com/borisveytsman/acmart/issues so that they are reviewed by SIG volunteers. ,

All submissions must be anonymous. The submission website is at https://easychair.org/conferences/?conf=icss20202.

Publication

The slides will be published on the ACSAC website. The extended version of selected papers will be invited to publish at the International Journal of Critical Infrastructure Protection, Elsevier.

Important Date

Submission Deadline: ~~September 14, 2020~~ September 25, 2020
Acceptance Notification: October 23, 2020
Final Manuscript due: November 6, 2020
Workshop Date: December 8, 2020

Further details about the workshop can be found at the workshop web site:

https://www.acsac.org/2020/workshops/icss/

Organizing Committees

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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.