

9th ACM Cyber-Physical System Security Workshop (CPSS 2023) held in conjunction with ACM AsiaCCS'23

Cyber-Physical Systems (CPS), of interest to this workshop, consist of large-scale interconnected systems of heterogeneous components interacting with their physical environments. There exist a multitude of CPS devices and applications deployed to serve critical functions in our lives, thus making security an important non-functional attribute of such systems. This workshop will provide a platform for professionals from academia, government, and industry to discuss novel ways to address the ever-present security challenges facing CPS. We seek submissions describing theoretical and practical solutions to security challenges in CPS. Submissions pertinent to the security of embedded systems, IoT, SCADA, smart grid, and other critical infrastructure are welcome. Topics of interest include, but are not limited to:

- **Attack detection for CPS**
- **Authentication and access control for CPS**
- **Autonomous vehicle security**
- **Availability and auditing for CPS**
- **Blockchain for CPS security**
- **Data security and privacy for CPS**
- **Digital twins / Cyber range for CPS security**
- **Embedded systems security**
- **Formal methods in CPS**
- **Industrial control system security**
- **IoT security**
- **Legacy CPS system protection**
- **Lightweight crypto and security**
- **Maritime cyber security**
- **Recovery from cyber attacks**
- **Security and risk assessment for CPS**
- **Security architectures for CPS**
- **Security by design for CPS**
- **Smart grid security**
- **Threat modeling for CPS**
- **Transportation system security**
- **Vulnerability analysis for CPS**
- **Wireless sensor network security**
- **Deception technologies for CPS**

Submission and Final Preparation Instructions

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal, workshop, or conference with proceedings. **The review process is single-blinded, i.e., the papers should not be anonymized.** Submissions must be in double-column [ACM SIG Proceedings format](#), and should not exceed 12 pages. We also welcome position papers describing work in progress, Systematization of Knowledge papers (distinguished with "SOK:" in the title), and papers describing novel testbeds. Only pdf files will be accepted. Authors of accepted papers must guarantee that their papers will be presented at the workshop. At least one author of the paper must be registered at the appropriate conference rate. Accepted papers will be published in the ACM Digital Library. **There will also be a best paper award.**

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