ACM CPSS'20 CALL FOR PAPERS

6th ACM Cyber-Physical System Security Workshop

Taipei, Taiwan, 6 October 2020 (in conjunction with ACM AsiaCCS'20)

https://www.nics.uma.es/pub/CPSS2020/

Important Dates

Submission due: **March 25, 2020 (firm)**   Notification: **April 19, 2020**   Camera-ready due: **July 8, 2020**

***** **The best paper of CPSS'20 will be invited to submit an extended version to** *****
***** **SI on "Cyber-Physical System Security"@ Cybersecurity (Springer)** *****

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
- Availability of and auditing for CPS
- Blockchain for CPS security
- Data security and privacy for CPS
- Digital twins for CPS
- Embedded systems security
- Formal methods in CPS
- Industrial control systems security
- IoT security
- Lightweight crypto

- Recovery of CPS from cyber attacks
- Security risk assessment for CPS
- Security architectures for CPS
- Security by design for CPS
- Security of autonomous vehicles and vessels
- Security of legacy CPS
- Smart grid security
- Threat modeling for CPS
- Security of transportation systems
- Vulnerability analysis for CPS

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Submission Instructions

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. All submissions should be appropriately anonymized. Submissions must be in double-column ACM SIG Proceedings format, and should not exceed 12 pages. Position papers describing work in progress are also welcome. 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 each paper must be registered at the appropriate conference rate. Accepted papers will be published in the ACM Digital Library. **A best paper award will be presented** getting opportunities for a registration fee discount.

Paper submission site: https://easychair.org/conferences/?conf=cpss20

The best paper of CPSS'20 will be invited to submit an extended version to the SI on "Cyber-Physical System Security" in Springer Cybersecurity (with 30% new contributions). More information about the SI is available at https://cybersecurity.springeropen.com

Contact

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CPSS'20 Home: https://www.nics.uma.es/pub/CPSS2020/