



HOST 2025: IEEE International Symposium on Hardware-Oriented Security and Trust

May 5-8, 2025 @ San Jose, California, USA

<http://www.hostsymposium.org/>

CALL FOR PAPERS

IEEE International Symposium on Hardware Oriented Security and Trust (HOST) – the premier event aiming to facilitate the rapid growth of hardware security research and development – **has opened the call for contributions**. The 18th annual HOST will be held May 5-8, 2025 in San Jose, California, the capital of Silicon Valley. HOST 2025 invites original contributions in all areas of overlap between hardware and security, including but not limited to:

- **Computer-aided Design (CAD) for Hardware Security Verification**
 - e.g., automatic techniques and metrics for life cycle security management and detecting security vulnerabilities.
- **Hardware Security Primitives**
 - e.g., PUFs, TRNGs, cryptography, post-quantum cryptography, odometers.
- **Hardware Attack and Defense**
 - e.g., hardware Trojans, fault injection, side-channels, hardware reverse engineering, hardware obfuscation.
- **Architecture Security**
 - e.g., architectural side-channels, trusted execution environment, FPGA and reconfigurable fabric security.
- **System Security**
 - e.g., machine learning security, SoC/IP security, CPS/IoT security, sensor network security, smart grid security, cloud security.
- **Emerging Security and Privacy Threats and Solutions**
 - e.g., privacy-enhancing architecture, blockchain, cryptocurrency security, and other hardware/system security topics.

HOST 2025 has **two submission windows**. Please submit your paper at <https://easychair.org/conferences/?conf=host2025>. The page limit is 10 pages (excluding references), in double column, IEEE format, with a minimum font size of 10 points. Paper templates are available at <https://www.ieee.org/conferences/publishing/templates.html>. Only work that has not been previously published at the time of the submission will be considered. Duplicate submissions to concurrent conferences/journals are not permissible, and if encountered will be rejected and reported to IEEE. The paper selection will involve a double-blind review – the identity of authors must not be revealed, directly or indirectly, throughout the entire process, with all references to the author(s)' own previous work being in the third person. Please avoid the use of “omitted for blind review” in the bibliography and make sure that the PDF metadata does not contain author information.

Fall Submission

Abstract Submission: Aug. 19, 2024
Full Paper Submission: Aug. 26, 2024
Notification: Oct. 27, 2024
Camera-ready: Nov. 18, 2024

Winter Submission

Abstract Submission: Dec. 9, 2024
Full Paper Submission: Dec. 16, 2024
Notification: Feb. 17, 2025
Camera-ready: Mar. 17, 2025

HOST 2025 also accepts proposals for tutorials and demos. More information will be disseminated in future calls.

In case of questions, please contact:

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