11th Asian Hardware Oriented Security and Trust Symposium

December 11-13, 2026, IIT Kharagpur Research Park, Kolkata, India

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PhD Forum Call for Participations

Asian Hardware Oriented Security and Trust Symposium (AsianHOST) aims to facilitate the rapid growth of hardware security research and development in Asia and South Pacific areas. AsianHOST highlights new results in the domain of hardware and system security. Relevant research topics include techniques, tools, design/test methods, architectures, circuits, and applications of secure hardware. **AsianHOST 2026** invites original contributions related to, but not limited by, the following topics:

- **Hardware-intrinsic security primitives (e.g., PUF and TRNG)**
- **Architectural and microarchitectural attacks and defenses**
- **Secure system-on-chip (SoC) architecture**
- **Trusted platform modules and hardware virtualization**
- **Side-channel attacks and countermeasures**
- **Hardware Trojan attacks and detection techniques**
- **Security analysis and protection of Internet of Things (IoT)**
- **Hardware IP core protection and trust for consumer electronics systems and IoT**
- **Security and trust of machine learning and artificial intelligence**
- **Automobile, self-drive and autonomous vehicle security**
- **5G and physical layer security**
- **Hardware-assisted cross-layer security**
- **Cyber-physical system (CPS) security and resilience**
- **Metrics, policies, and standards related to hardware security**
- **Security verification at IP, IC, and system levels**
- **Reverse engineering and hardware obfuscation**
- **Supply chain risks mitigation including counterfeit detection & avoidance**
- **Trusted manufacturing including split manufacturing, 2.5D, and 3D ICs**
- **Emerging nanoscale technologies in hardware security applications**
- **Cybersecurity Solutions for AI and LLM**

Important Information for PhD Forum Submissions

- Submissions of PhD Forum do not need to describe complete work, but they should report preliminary results so that useful feedback on the ongoing work can be obtained from experts and colleagues in hardware security and trust research. Each selected student abstract will be assigned a slot for a swift focused presentation of research objectives and early results. Accepted PhD Forum submissions will prepare posters during the conference and will also be posted on AsianHOST website. However, they will not be published in IEEE Xplore.
- We recommend that a proposal has the format of a 1-page submission (title, author information, 500-word abstract and brief summary of contribution) and it should be submitted in PDF format to the symposium submission website. The PhD Forum committee will review the submission and recommend selected proposals for presentation at the symposium.

Submission Portal: https://easychair.org/conferences/?conf=asianhost2026

PhD Forum Presentation Award

- The PhD Forum committee will select one proposal for the PhD Forum Presentation Award. The selection of this award will be made on the basis of the quality of the 1-page proposal and the participant's oral presentation.

Important Dates:

- **Submission Deadline: November 13, 2026**
- **Notification of Acceptance: November 19, 2026.**

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