

# SPACE 2021: Eleventh International Conference on Security, Privacy and Applied Cryptographic Engineering

## December 10-13, 2021, Kolkata, India

### Program Chairs

Lejla Batina, Radboud University  
Stjepan Picek, TU Delft  
Mainack Mondal, IIT Kharagpur

### General Chair

Debdeep Mukhopadhyay, IIT  
Kharagpur

### COVID 19 advisory

Given the current uncertainty with travel and event organization restrictions caused by COVID-19, it is not yet decided whether SPACE 2021 would be an online-only event, or would be organized physically. We are closely monitoring the situation as it evolves, and **will decide about the mode of the conference in due course**. In any case, SPACE 2021 will **allow online presentation of accepted papers if the authors are unwilling/unable to undertake the travel**, and the conference registration fee for the accepted paper would be adjusted accordingly.

### Contact information

#### Technical Information

Mainack Mondal  
Indian Institute of Technology, Kharagpur  
Email: [mainack@cse.iitkgp.ac.in](mailto:mainack@cse.iitkgp.ac.in)

#### General Information

Debdeep Mukhopadhyay  
Indian Institute of Technology, Kharagpur  
Email: [debdeep@cse.iitkgp.ac.in](mailto:debdeep@cse.iitkgp.ac.in)

### Overview

**International Conference on Security, Privacy and Applied Cryptographic Engineering 2021 (SPACE 2021)** is eleventh in the series of conferences which started in 2011. This annual event is devoted to various aspects of **security, privacy, applied cryptography, and cryptographic engineering**. SPACE 2021 will be held at Kolkata, from **10th to 13th December, 2021**. The program co-chairs for SPACE 2021 are Lejla Batina (Radboud University, The Netherlands), Stjepan Picek (TU Delft, The Netherlands) and Mainack Mondal (Indian Institute of Technology, Kharagpur).

### Topics

We invite authors to submit previously unpublished original research. Topics include but are not limited to

#### Cryptographic Engineering

- Design of Cryptographic Primitives
- Random Number Generators and PUF
- Cryptographic Protocols and Implementations
- Security Architectures
- Formal Methods in Cryptographic Engineering
- Attacks and Countermeasures
- Post-quantum Cryptography Implementations
- Cryptographic Software/Hardware Design
- IP Protection

#### Physical attacks and Countermeasures

- Fault Analysis and Countermeasures
- Reverse Engineering and Tampering
- Hardware Trojans and Counterfeit Detection
- Micro-Architectural Attacks
- AI-assisted side-channel and fault attacks
- Cryptanalysis

#### Security and Privacy

- Security of Cyber-Physical Systems
- AI in security and privacy
- Security of AI
- Secure Networking Protocols
- Securing Human-in-the-loop Systems
- Data privacy and Authentication
- Botnets and Malware
- Anonymization Techniques and Attacks
- Intrusion Detection
- Operating Systems Security
- Trustworthy Computing
- Verification and Testing for Security

### Paper Submission

All SPACE 2021 submissions must be original and not simultaneously submitted to or published in another journal or conference. We recognize the difficulties stemming from the COVID-19 situation, and this year for SPACE (along with full papers) we welcome work in progress submissions (clearly mentioned in the title if it's a work in progress). SPACE 2021 follows a strict **double-blind policy** -- all submissions must be anonymous, with no author names, affiliations, acknowledgements, or obvious references. Full paper submissions must be written in English, should strictly follow the LNCS format, and should be **at most 20 pages** (including the bibliography but excluding clearly marked appendices). Submission to SPACE will imply the willingness of at least one of the authors to register and present the paper in the conference. Authors should mention in abstract if a submission should be considered as short paper/work-in-progress.

Authors should consult Springer's [authors' guidelines](#) and use their proceedings templates, either for [LaTeX](#) or for [Word](#), for the preparation of their papers. Springer encourages authors to include their [ORCID](#)s in their papers. In addition, the corresponding author of each paper, acting on behalf of all of the authors of that paper, must complete and sign a Consent-to-Publish form. The corresponding author signing the copyright form should match the corresponding author marked on the paper. Once the files have been sent to Springer, changes relating to the authorship of the papers cannot be made." The appropriate links should be made available to the authors.

### Important Dates

Paper submission deadline: **Sep. 27, 2021 23:59:59 EDT**  
Notification of Acceptance: **Oct. 31, 2021**  
Camera-ready Version: **Nov. 10, 2021**  
Conference: **Dec. 10-13, 2021**