Track 08 — AI and Cybersecurity

The integration of Artificial Intelligence (AI) in cybersecurity is transforming the landscape of digital defense, enabling organizations to identify, mitigate, and respond to security threats with unprecedented speed and accuracy. As cyberattacks grow in sophistication and frequency, traditional security methods struggle to keep up with evolving threats. AI-driven systems, such as machine learning (ML) algorithms, neural networks, and automated response tools, offer promising solutions to these challenges, enabling real-time threat detection, predictive analytics, and adaptive defenses.

This track explores the intersection of AI and cybersecurity, aiming to highlight both the opportunities and challenges posed by AI technologies in safeguarding sensitive information and digital infrastructures. The research will focus on key areas such as AI-enhanced intrusion detection systems, anomaly detection, automated incident response, and the ethical implications of using AI in security. Additionally, the track will address the evolving role of AI in proactive cybersecurity measures, such as vulnerability assessment and risk management, as well as the potential adversarial uses of AI in cyberattacks.

Publication

After a careful reviewing process, all accepted papers after proper registration and presentation will be published in IEEE Conference proceedings, and will be indexed by EI Compendex, Scopus. ICCCS as an IEEE sponsored conference every year, the conference proceedings of ICCCS2015-2025 have been included in IEEE Xplore, indexed by EI Compendex & Scopus.

Track Committee

● Track Chairs
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- **Nour EL MADHOUN**, Isep, France
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- **Maode Ma**, Shenzhen University of Advanced Technology, China
- **Zhiyuan Zhang**, Singapore Management University, Singapore
- **Yongqing Zhu**, Singapore University of Social Sciences, Singapore

Track Topics

This track explores the intersection of AI and cybersecurity, aiming to highlight both the opportunities and challenges posed by AI technologies in safeguarding sensitive information and digital infrastructures.

Topics may include, but are not limited to:

- AI-Driven Intrusion Detection Systems (IDS)
- Anomaly Detection using Machine Learning/AI
- Automated Incident Response and Mitigation
- Predictive Cyber Threat Intelligence
- Adversarial-Machine Learning in Cybersecurity
- AI and Malware Detection
- AI-Enhanced Vulnerability Assessment and Risk Management
- Ethical Implications of AI in Cybersecurity
- AI for Fraud Detection and Prevention
- AI and Blockchain Security
- AI for Secure Authentication and Access Control
- GenAI Security
- Explainability and Trustworthiness of AI in Cybersecurity
- AI for Security in IoT and Smart Devices
- Cybersecurity Automation with AI and Robotics
- AI-Powered Security in Critical Infrastructure

Awards

★ **Young Scientist Awards**
★ **Best Paper Award**
★ **Best Student Paper Award**
★ **Best Oral/Live Presentation Award**

Important date
Submission Deadline---February 5, 2026

Submission Requirement

1. Full Papers is request to give the presentation, and the paper will be published in the conference proceedings.
Language: English is the official language of the conference; the paper should be written and presented only in English.
Paper Length Limit: Each paper should be more than 4 full pages normally,including all figures, tables, and references.
Extra Pages: The first 6 pages are free of extra fee, extra pages will be charged at $60 (US dollars/per page) when the paper exceeds 6 pages.

2. Presentation Only
Abstract (200-300 words) will be accepted and author will be invited to give the oral presentation onsite as well, however, neither the abstract nor the presentation would be published.

3. Listener or Delegate without any submission
If you are interest in this track, and want to join us for discussion without any submission. You can register as a listener or delegate directly.

Submission Methods

1. Online Submission System
Please submit the full paper or abstract on the conference submission system directly, but please choose "**Track 08**" to submit it in this track
http://www.easychair.org/conferences/?conf=icccs2026

2. Submit the full paper or abstract directly to our track chair's email:
huaqun.guo@singaporetech.edu.sg; nour.el-madhoun@isep.fr;eyasu_chekole@sutd.edu.sg
Please indicate the email subject with Track 08-Full Paper Submission / Track 08-Abstract Submission /Track 08-Delegate Registration

Track Contact
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Conference Secretary   Lily Chen   icccs_contact@vip.163.com   If you have any questions, you can contact our track chair or conference secretary.

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