12th 2026 International Conference
on Control, Decision and Information Technologies
IEEE
CoDiT
2026
July 13-16,2026
Bari, Italy

CALL FOR PAPERS - SPECIAL SESSION

“AI-Assisted Intelligent Threat Analysis in Mobile Ecosystems”

for CODIT 2026

July 13-16, 2026 ▪ Bari, Italy

Session Chair:

Dr. Andrea Augello, University of Palermo, Italy - (email: andrea.augello01@unipa.it)

Session description:

This special session deals with the problem of the exponential growth and increasing sophistication of malicious software targeting mobile platforms. As mobile devices become the primary gateway for personal data, financial transactions, and industrial control interfaces, traditional detection methods are no longer sufficient to combat polymorphic and zero-day threats. This session focuses on the integration of Artificial to automate the identification, characterization, and mitigation of cyber threats. It explores the technical challenges of deploying resource-intensive AI models on hardware-constrained mobile devices and the necessity of developing robust, interpretable, and real-time detection frameworks that can handle quickly changing malware characteristics and adversarial attacks.

The goal is to bring together researchers and practitioners to present innovative solutions that leverage AI to enhance the security posture of mobile ecosystems. This includes the development of automated feature engineering, the application of deep learning for behavioural analysis, and the use of adversarial learning to anticipate evolving attacker techniques. By bridging the gap between advanced decision-making algorithms and mobile security, this session aims to define the next generation of intelligent defence mechanisms that can operate autonomously in dynamic and hostile environments.

The topics of interest include, but are not limited to:

- Deep Learning for mobile malware classification.
- On-device AI inference and resource-aware detection models.
- Adversarial Machine Learning: Robustness of detection models against evasion techniques.
- Explainable AI for digital forensics and mobile security auditing.
- Federated Learning for privacy-preserving collaborative malware detection.
- Meta-learning strategies to adapt to emerging threats and concept drift.

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2026:** **http://controls.papercept.net/conferences/scripts/start.pl**. In PaperCept, click on the **CoDIT 2026 link "Submit a Contribution to CoDIT 2026" and follow the steps.**

IMPORTANT: All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

February 07, 2026: deadline for paper submission

April 30, 2026: notification of acceptance/reject

May 20, 2026: deadline for final paper and registration