6th International Conference in Electronic

Engineering & Information Technology

June 4-6, 2025

Chania - Crete, Greece

<https://eeite.hmu.gr>



Special session: “**AI-Powered Crime Detection and Prevention: Bridging Technology and Law Enforcement**”

**Scope**

rise of the internet and social media platforms has empowered both organized crime and individual offenders, enabling them to leverage the latter for illicit activities. This shift presents significant challenges for Law Enforcement Agencies (LEAs), demanding a fundamental re-evaluation of their investigative and operational strategies.

While technological solutions for investigations and global cooperation do exist, they are mostly fragmented and myopic focusing on providing very narrow and isolated functions within their own boundaries without ensuring interoperability and international cooperation. In addition to this, criminals are increasingly exploiting digital technologies for a wide range of offenses, from traditional crimes facilitated by online tools (e.g., misinformation, deepfakes for identity fraud, etc.) to sophisticated cybercrimes. This necessitates the adoption of innovative approaches to detect, prevent, and apprehend offenders operating in this evolving digital ecosystem.

The proposed workshop aims to convene a diverse community of researchers from academia, industry, government, and LEAs. This interdisciplinary forum will serve as a landscape to:

● Showcase cutting-edge research: Present the latest advancements in the application of Artificial Intelligence (AI), Machine Learning (ML), and analytics for crime and terrorism detection and prevention.

● Foster collaboration: Facilitate the exchange of ideas and best practices among researchers, practitioners, and policymakers.

● Address critical challenges: Explore innovative solutions to address the evolving threats posed by cybercrime and the exploitation of digital technologies for criminal purposes.

● Highlight the role of A and emerging technologies: Discuss the potential of data analytics, machine learning, and other advanced technologies to enhance LEA capabilities in the fight against crime.

Complementarity with the Conference: This workshop is directly aligned with the themes of the EEITE 2025 Conference, as it delves into the application of AI, Big Data and Machine Learning to derive analytics for disruptive civilian applications and towards fighting crime to protect citizens and societies.

By emphasizing applied solutions and real-world applications in fighting physical and digital crimes, “AI-Powered Crime Detection and Prevention: Bridging Technology and Law Enforcement” special session complements the conference's broader focus on theoretical advancements by showcasing practical implementations and use cases in civilian applications. Furthermore, this special session will be supported by the Horizon Europe-funded projects AVALANCHE (GA: 101168393), TENSOR (GA: 101073920), PRESERVE (GA: 101168309) and the Research and Innovation Foundation-funded CYGNUS project (GA: DUAL USE/0922/0024) and actively disseminated by all consortium members to ensure the widest possible impact of the research presented

**Special session format**

The session will consist of research work/paper presentations, followed by a roundtable discussion.

**Expected contributions**

Papers to be presented in the special session cover topics related, but not limited, to:

* Big Data and Internet of Things (IoT) technologies for making detection and investigation easier for police and justice authorities;
* Crime analytics to create safer communities and foster a proactive, technology-driven approach to combat criminal activities; and
* Advances in A and predictive models, behavioural analytics, pattern recognition, biometric identification, and real-time monitoring for uncovering suspicious activities.

Concept note papers of relevant RnD projects are also applicable.

**Paper format and submission guidelines**

<https://eeite.hmu.gr/registration-submission/>

**Important dates**

Paper submission deadline: February 28, 2025

Notification of acceptance: March 30, 2025

Camera-ready submission: May 4, 2025

**Workshop Chairs**

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