



INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:

Cyber Security and Forensics

Name, Title and Affiliation of Chair:

Dr. Esmiralda Moradian, Computer and Systems Sciences, Stockholm University, Sweden

Prof. Oliver Popov, Computer and Systems Sciences, Stockholm University, Sweden

Details of Session (including aim and scope):

The aim of the session is to bring together security professionals from the academia, industry and law enforcement agencies to exchange ideas and experiences in the area of Cyber Security and Digital Forensics. The session is especially looking to present novel ideas reflecting the cross-fertilization of cyber security and digital forensics with the growing maturity and relevance of the recent advances in networking, artificial intelligence, machine learning, and data science.

Scope

Both theoretical and practical papers are encouraged. Topics of interest include but are not limited to:

Security challenges in AI and AI opportunities for security
Ethical and Legal Aspects of AI algorithms in Cyber Security and Forensics
Data Mining and Analytics in Cyber Forensics
Automated Crime Investigation - Evidence Detection, Extraction, and Analysis
Machine Learning for Malware Discovery
Cybercrimes on the Dark net – Detection and Prevention
V2V, V2X Communication and Reflections on Security and Safety
Innovative Cross-over Techniques for Securing Networks
Security and trust in Cloud Computing
Information and IT-Security Management
Digital Trust Management – Models and Use Cases
Machine Learning for Forensically Sound Analysis
Forensics on the Go for Mobile Apps and Systems
Control System for Critical Infrastructure Resilience
Automation and Intelligence for Security Testing

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Main Contributing Researchers / Research Centres (tentative, if known at this stage):

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Website URL of Call for Papers (if any):

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Email & Contact Details:

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Prof. Oliver Popov popov@dsv.su.se

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