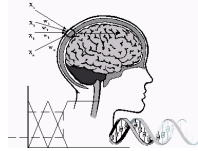




International

*Innovation in Knowledge Based and Intelligent
Engineering Systems*



INVITED SESSION SUMMARY

Title of Session:

Intelligent Network Security and Digital Forensics

Name, Title and Affiliation of Chair:

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

Dr. Esmiralda Moradian, 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 Network Security and Digital Forensics. The session is especially looking to present novel ideas reflecting the cross-fertilization of information 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 in Software Defined Networks (SDN)
- Data Mining and Analytics in Cyber Forensics
- Automated Crime Investigation - Evidence Detection, Extraction, and Analysis
- Cybercrimes on the Dark net – Detection and Prevention
- Intelligent V2V, V2X Communication and Reflections on Security and Safety
- Innovative Cross-over Techniques for Securing Networks
- Pedagogical Aspects in Security Management
- Digital Trust Management – Models and Use Cases
- Machine Learning for Forensically Sound Analysis
- Forensics on the Go for Mobile Apps and Systems
- Ethical and Legal Aspects of AI algorithms in Security and Forensics
- Control System Forensics for Critical Infrastructure Resilience

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

Website URL of Call for Papers (if any):

Email & Contact Details:

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Dr. Esmiralda Moradian esmirald@dsv.su.se