International Workshop on Security Measurements of Cyber Networks
(SMCN-2019)

Leicester, Unite Kingdom, 19-23 August, 2019

Cyber Networks facilitate and boost the development of ICT technologies and network economy. It is becoming the foundation of our daily life. However, as today's networks become huge, heterogeneous and pluralistic, the judgment on the security over the cyber networks becomes difficult. Various attacks and intrusions impact network security. It is a big challenge to measure network security based on different security requirements and standards in the context of different network scenarios. A generally accepted security measurement framework is always missing and urgently expected in order to find network security holes in time and fix the security problems accordingly.

This workshop focuses on the security measurements of cyber networks. It aims to bring together experts on security data collection, security data analysis, malware/virus detection, network intrusion detection, network system protection and network security assessment and measurement to discuss and explore theories, methodologies, schemes, algorithms and tools that are related to network security measurements.

Scope and Topics of Interest
SMCN-2019 welcomes original and innovative research on security measurements of cyber networks from the academia, industry and government. Topics of particular interests include but are not limited to:

- Theories, Frameworks and Tools for Security Measurement
- Network Security Data Collection, Transmission, Process, and Analysis
- Network Security Data Fusion, Composition and Mining
- Big Data Security
- Intrusion Detection
- Malware and Virus Detection
- Network System Protection
- Security Data Access Control
- Security on Heterogeneous Networks
- Complex Systems Security
- Cyber Hacking and Protection
- Network Security Simulation and Tools
- Standards about Network Security Measurement
- Assurance Methods for Network Security
- Network Data Trust Management

Important Dates
Paper submission deadline: 19 April, 2019
Author notification: 4 May, 2019
Camera-ready and Registration: 19 May, 2019

Conference dates: 19-23 August, 2019

Submission Instructions

Please submit your paper via EDAS submission system at https://edas.info/N25742. A submission is limited to 6 pages for a special session paper. Format is IEEE conference paper, double column, in Portable Document Format (.pdf). A submission can have at most 2 additional pages, with a page overlength charge, if the paper is accepted. Accepted conference papers will be published by IEEE CPS (IEEE-DL and EI indexed). At least one author of each accepted paper is required to register and present their work at the conference; otherwise the paper will not be included in the proceedings. Best Paper Awards will be presented to high quality papers. Selected papers will be recommended to special issues. More details can be found via http://www.smart-world.org/2019/atc/.

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