




Special Session on

Advancements & Emerging Trends in Cyber Security

Name and affiliation of organizers:

<p>Dr Vassilios G. Vassilakis University of York, UK vv573@york.ac.uk</p>  <p>Dr Vassilios Vassilakis is an Assistant Professor in Cyber Security at the University of York. He's been involved in EU, UK, and industry funded R&D projects related to the design and analysis of next-generation networks and technologies. He's served as an Associate Editor in IEICE Transactions on Communications, IET Networks, and Optical Switching & Networking.</p>	<p>Prof Ting Wang East China Normal University, China twang@sei.ecnu.edu.cn</p>  <p>Prof Ting Wang is an Associate Professor with the Shanghai Key Laboratory of Trustworthy Computing at East China Normal University, China. He's served as an Associate Editor of IEEE Access, the Editor-in-Chief of IITCIB, and a technical committee member of Computer Communications, Elsevier.</p>	<p>Dr Wei Jie University of West London, UK wei.jie@uwl.ac.uk</p>  <p>Dr Wei Jie is currently an Associate Professor in Computing with the School of Computing and Engineering, University of West London, UK. Dr Jie's research interests include cyber security, data science, cloud computing, He has published over 60 journal and conference papers in these areas.</p>
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Scope of the session

With the advancement of new technologies, modern society is surrounded by different types of devices, networks, and services with Internet connectivity. They provide a better lifestyle as well as the convenience of improved services and communications. On the other hand, this ubiquitous connectivity poses new security threats and opens up new attack avenues which exploit security flaws in systems and networks. The aim of this Special Session is to disseminate recent advancements and emerging trends in cyber security, focusing on a wide range of solutions and technologies as well as novel attack vectors and threat analysis methodologies.

Prospective authors are invited to submit original and unpublished work on the following research topics related to this Special Session:

- Artificial intelligence and machine learning
- Smart devices and Internet of things
- Software-defined networks and network function virtualization
- Cloud, fog, and edge computing
- Mobile networks and technologies
- Online social networks
- Intelligent networking
- Intelligent transportation systems and networks
- Adaptive and autonomous systems and processes
- Unmanned aerial vehicles and communications
- Secure execution environments
- Blockchain and distributed ledger technologies
- Malware analysis and detection
- Cyber-physical systems