

# The 11<sup>th</sup> IEEE International Conference on Internet of Things (iThings-2018)

Halifax, Canada July 30 – Aug 03, 2018

## The 2<sup>nd</sup> International Workshop on Securing IoT Networks (SITN-2018)

### Abstract

The Internet of Things (IoT) presents unprecedented opportunities for building smart society. Big data collected from numerous “Things”, connected across different interfaces and locations, facilitate smarter decision making and personalised services. Although all the hope of anticipated benefits from IoT, security remains a big challenge to overcome. Manufacturers are yet shipping IoT devices with security flaws, which put users or even the other parts of our connected cyber world at risk. Those vulnerable IoT devices would be easily exploited to launch massive cyberattacks to other online services or IT infrastructures. All the privacy, robustness and security issues are challenging the movement towards smart society.

### Outline

The SITN-2018 workshop is an international event, which aims to bring together expertise from academia and industry to build secure IoT infrastructures for smart society. It also provides a venue for international researchers and leading industrial experts in IoT and cyber-security to establish future partnerships and research collaborations.

The SITN-2018 workshop will be held in Halifax, Canada and in collaboration with The Edinburgh Napier University, Technical University of Denmark, University

of the West of England, and The Cyber Academy on the 30<sup>th</sup> July – 3<sup>rd</sup> August 2018 and in parallel with The 11<sup>th</sup> IEEE International Conference on Internet of Things (iThings-2018). All interested stakeholders from academia and industry are invited to submit their original work on building secure IoT infrastructures for Smart Society to the SITN-2018 workshop.

Topics of interest include, but are not limited to:

- Threat Models in Internet of Things
- Attack Strategies for Internet of Things
- Security Architectures
- Security in Wireless Sensor Networks
- Reliable Interactions with Network Services
- System and Data Integrity
- Scalability and Robustness for Internet of Things
- Identity Management in Internet of Things
- Trustworthiness in Internet of Things
- Secure Operating Systems
- Secure routing for Internet of Things
- Privacy in Internet of Things
- Adaptive Security in Internet of Things
- Secure IoT interactions
- Secure IoT architecture design
- Digital forensics for IoT
- Malware Detection
- Intrusion Detection and Prevention Systems for IoT

**Papers must be submitted electronically via EDAS** <https://www.edas.info/newPaper.php?c=24277>

**Submission format:** 8 pages, two columns, single-spaced, 10 fonts; *IEEE Computer Society Proceedings Manuscripts style*  
*Distinguished papers selected from SITN -2018, after further extensions, will be recommended for submission and publication in Special Issues of SCI-indexed Journals*

### Workshop Committee Members

**Organising Chair:** Dr. Zhiyuan Tan, Edinburgh Napier University, z.tan@napier.ac.uk

**Co-Chair:** Dr. Naghmeh Moradpoor, Edinburgh Napier University

**Co-Chair:** Dr. Weizhi Meng, Technical University of Denmark

**Program Committee Chair:** Dr. Shancang Li, University of the West of England

### Submission Information

**Paper Submission Deadline:** 9 April, 2018

**Authors Notification:** 5 May, 2018

**Early Registration Due:** 8 May, 2018

**Camera-Ready Paper Due:** 15 May, 2018

**Conference Date:** July 30 - August 3, 2018