



12th International Conference on Network and System Security (NSS-2018)

Hong Kong, China, 27-29 August, 2018

Call for Papers

While the attack systems have become more easy-to-use, sophisticated, and powerful, interest has greatly increased in the field of building more effective, intelligent, adaptive, active and high performance defense systems which are distributed and networked. The conference will cover research on all theoretical and practical aspects related to network and system security, such as authentication, access control, availability, integrity, privacy, confidentiality, dependability and sustainability of computer networks and systems. The aim of NSS is to provide a leading edge forum to foster interaction between researchers and developers with the network and system security communities, and to give attendees an opportunity to interact with experts in academia, industry, and governments. NSS 2018 is the next event in a series of highly successful events of Network and System Security. Previous editions were held in: Helsinki(2017), Taipei (2016), New York City, USA (2015), Xi'an, China (2014), Madrid, Spain (2013), Wu Yi Shan, China (2012), Milan, Italy (2011),

Topics of interest include but are not limited to:

- Active Defense Systems
- Adaptive Defense Systems
- Analysis, Benchmark of Security Systems
- Applied Cryptography
- Authentication
- Big Data Trust, Security and Privacy
- Biometric Security
- Blockchain and Bitcoin Security
- Complex Systems Security
- Cyber Hacking and Protection
- Database and System Security
- Data Protection and Integrity
- Digital Forensics
- Distributed Access Control
- Distributed Attack Systems
- Denial-of-Service
- High Performance Network Virtualization
- Hardware Security
- Identity Management
- Intelligent Defense Systems
- Insider Threats
- Intellectual Property Rights Protection
- Internet and Network Forensics
- Intrusion Detection and Prevention
- Key Distribution and Management
- Large-scale Attacks and Defense
- Malware Detection
- Network Resiliency
- Network Security
- RFID/NFC Security and Privacy
- Security Architectures
- Security for Critical Infrastructures
- Security for Cyber Physical System
- Security in Cloud and Grid Systems
- Security in Pervasive/Ubiquitous Computing
- Security and Privacy in Smart-X Systems
- Security and Privacy in Social Networks
- Security and Privacy in Wireless Networks
- Secure Mobile Agents and Mobile Code
- Security Policy
- Security Protocols
- Security Simulation and Tools
- Security Theory and Tools
- Security, Trust and Privacy in Crowdsourcing, Crowdsensing and CrowdPayment
- Security, Trust and Privacy in Internet of Things
- Standards and Assurance Methods
- Trusted Computing
- Trust Management
- Watermarking and Digital Rights Management
- World Wide Web Security
- Decision modelling and optimization for security and privacy aspects
- Facility location and network design for securing the e-Society

Submission Guidelines:

Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Papers must be clearly presented in English, must not exceed 15 pages, including tables, figures, references and appendixes, in Springer LNCS Format with Portable Document Format (.pdf). Accepted papers will be published by LNCS proceedings (published by Springer). Maximum 5 extra pages are allowed and will be charged extra fee.

All papers need to be submitted electronically through the conference website: <https://www.easychair.org/conferences/?conf=nss2018>
Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Submission of a paper

should be regarded as a commitment that, should the paper be accepted, at least one of the authors will register and attend the conference to present the work. The conference proceeding will be published by Springer Lecture Notes in Computer Science (LNCS, EI indexed). Excellent Papers will be recommended to high-quality journal special issues.

Important Dates:

Paper Submission Deadline: 30 April, 2018

Author Notification: 1 June, 2018

Camera-ready and Registration: 21 June, 2018

Conference Dates: 27-29 August, 2018

Keynote Speeches:

• Prof. Jaideep Vaidya, Dean's Research Professor, Management Science & Information Systems Department, Rutgers University, Editor-in-chief IEEE Transactions on Dependable and Secure Computing (TDSC)

• Prof. Kui Ren, SUNY Empire Innovation Professor, Department of Computer Science and Engineering, University at Buffalo, State University of New York, IEEE Fellow

Journal Special Issues:

• Wireless Communications and Mobile Computing, Special Issue on Security, Privacy, and Trust on Internet of Things. (SCI Indexed, Impact Factor: 1.899, CCF-C)

• Security and Communication Networks, Special Issue on Machine Learning for Wireless Multimedia Data Security. (SCI Indexed, Impact Factor: 1.067, CCF-C)

• Journal of Information Security and Applications (also known as Information Security Technical Report before 2013), Special Issue on Mobile Networks and Devices Security, Privacy and Trust (EI Indexed, CCF-C)

• Sensors, Special Issue on Threat Identification and Defense for Internet-of-Things (SCI Indexed, Impact Factor: 2.677)

• Symmetry, Special Issue on Symmetry and Asymmetry Applications for Internet of Things Security and Privacy (SCI Indexed, Impact Factor: 1.457)

• Computers & Electrical Engineering, Special Section on Security and Privacy for Smart Cities: Challenges and Opportunities, Computers and Electrical Engineering (SCI Indexed, Impact Factor: 1.570)

• Annals of Telecommunications, Special Issue on Security and Privacy in IoT Communication. (SCI Indexed, Impact Factor: 1.412)

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More Details:

<http://www4.comp.polyu.edu.hk/~nss2018/index.html>