



IEEE CONFERENCE ON COMMUNICATIONS AND NETWORK SECURITY

28 - 30 SEPTEMBER 2015 • FLORENCE, ITALY



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IEEE Conference on Communications and Network Security (CNS) is a new conference series in IEEE Communications Society (ComSoc) core conference portfolio and the only ComSoc conference focusing solely on cyber security. IEEE CNS is also a spin-off of IEEE INFOCOM, the premier ComSoc conference on networking. The goal of IEEE CNS is to provide an outstanding forum for cyber security researchers, practitioners, policy makers, and users to exchange ideas, techniques and tools, raise awareness, and share experience related to all practical and theoretical aspects of communications and network security.

Building on the success of the past two years' conferences, IEEE CNS 2015 seeks original high-quality technical papers from academia, government, and industry. Topics of interest encompass all practical and theoretical aspects of communications and network security, all the way from the physical layer to the various network layers to the variety of applications reliant on a secure communication substrate. Submissions with main contribution in other areas, such as information security, software security, system security, or applied cryptography, will also be considered if a clear connection to secure communications/networking is demonstrated.

Particular topics of interest include, but are not limited to:

- Anonymization and privacy in communication systems
- Biometric authentication and identity management
- Computer and network forensics
- Data and application security
- Data protection and integrity
- Availability of communications, survivability of networks in the presence of attacks
- Key management and PKI for networks
- Information-theoretic security
- Intrusion detection and prevention
- Location privacy
- Mobile security
- Outsourcing of network and data communication services
- Physical layer security methods, cross-layer methods for enhancing security
- Secure routing, network management
- Security for critical infrastructures
- Security metrics and performance evaluation
- Security and privacy for big data
- Security and privacy in body area networks
- Security and privacy in content delivery network
- Security and privacy in cloud computing and federated cloud
- Security and privacy in crowdsourcing
- Security and privacy in the Internet of Things
- Security and privacy in multihop wireless networks: ad hoc, mesh, sensor, vehicular and RFID networks
- Security and privacy in peer-to-peer networks and overlay networks
- Security and privacy in single-hop wireless networks: Wi-Fi, Wi-Max
- Security and privacy in smart grid, cognitive radio networks, and disruption/delay tolerant networks
- Security and privacy in social networks
- Security and privacy in pervasive and ubiquitous computing
- Social, economic and policy issues of trust, security and privacy
- Traffic analysis
- Usable security for networked computer systems
- Vulnerability, exploitation tools, malware, botnet, DDoS attacks
- Web, e-commerce, m-commerce, and e-mail security

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- IMPORTANT DATES -

PAPER SUBMISSION:
24 April 2015

NOTIFICATION DATE:
29 June 2015

FINAL PAPER:
17 July 2015

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