



## Communications and Information Systems Security Symposium

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The 2015 IEEE International Conference on Communications (ICC) will be held in London, UK from 8-12 June 2015. Themed "Smart City & Smart World," with its proximity to Tech City, the fastest growing technology cluster in Europe, this flagship conference of IEEE Communications Society will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2015 will also include an exceptional Industry Forum & Exhibition program including business panels and keynote speakers. We invite you to submit your original technical papers, and industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2015 Conference Proceedings and submitted for inclusion in IEEE Xplore®/IEEE Digital Library. Full details of submission procedures are available at <http://www.ieee-icc.org/2015>.

### Scope and Topics of Interest

The Communications and Information Systems Security Symposium (CISS) will focus on all aspects of security, privacy, trust, and risk management, which pose a serious challenge to today's globally connected society. The symposium welcomes novel contributions on modeling, analysis, design, and evaluation of communication and information systems security solutions, from the physical layer to the application layer.

The CISS Symposium solicits original contributions in, but not limited to, the following topical areas:

- Android security
- Anonymity, anonymous communication, metrics and their performance analysis
- Authentication protocols and message authentication
- Authorization and access control
- Availability and survivability of secure services and systems
- Big Data security and privacy
- Biometric security
- Botnet detection, prevention, and defense
- Cloud and distributed application security
- Computer and network forensics
- Cryptography and evaluation
- Data center security
- Firewall technologies; intrusion detection, localization, and avoidance
- Formal trust models, security modeling and protocol design
- Key distribution and management
- Lightweight security
- Location-based services and their security and privacy aspects
- Mobile and Wireless network security
- Mobile and Wireless network security
- Mobile App security and privacy
- Multi-mode surveillance and homeland security

- Network public opinion analysis and monitoring
- Network security metrics and their performance evaluation
- Operating systems and application security and analysis tools
- Online Social Networks and their security aspects
- Physical security and hardware/software security
- Privacy and privacy enhancing technologies
- Quantum cryptography and communication applications
- Resource allocation, incentives, and game-theoretic approaches
- Security in virtual machine environments
- Security in wired systems and optical networks
- Security of Cyber-physical systems
- Security risk management
- Trust models, management and certificate handling
- Virtual private networks and group security
- Vulnerability, exploitation tools and virus analysis
- Web, e-commerce, and m-commerce security

### Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 15 October 2014 for publication in the IEEE ICC 2015 Conference Proceedings. All submissions should be written in English with a maximum paper length of Six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge if accepted).

**Standard IEEE Transactions templates for Microsoft Word or LaTeX formats found at**  
<http://www.ieee.org/portal/pages/pubs/transactions/stylesheets.html>

**Alternatively you can follow the sample instructions in template.pdf at**  
<http://www.comsoc.org/confs/globecom/2008/downloads/template.pdf>

**Only PDF files will be accepted for the review process and all submissions must be done through EDAS at**  
<https://edas.info/newPaper.php?c=17717>

### Co-Chairs Biographies

**Xiaojiang (James) Du** is currently an Associate Professor in the Department of Computer and Information Sciences at Temple University. Dr. Du received his B.S. and M.S. degree in electrical engineering from Tsinghua University, Beijing, China in 1996 and 1998, respectively. He received his M.S. and Ph.D. degree in electrical engineering from the University of Maryland College Park in 2002 and 2003, respectively. Dr. Du was an Assistant Professor in the Department of Computer Science at North Dakota State University between August 2004 and July 2009, where he received the Excellence in Research Award in May 2009. His research interests are security, cloud computing, wireless networks, computer networks and systems. He has published over 120 journal and conference papers in these areas. Dr. Du has been awarded more than \$3M research grants from the US National Science Foundation and Army Research Office, Air Force Research Lab, NASA, the Commonwealth of Pennsylvania, and Amazon. He serves on the editorial boards of four international journals. Dr. Du is a Co-Chair of the Mobile and Wireless Networks Track of the IEEE Wireless Communications and Networking Conference (WCNC) 2015. He was the Chair of the Computer and Network Security Symposium of the IEEE/ACM International Wireless Communication and Mobile Computing conference 2006 - 2010. He is (was) a Technical Program Committee (TPC) member of several premier ACM/IEEE conferences such as INFOCOM (2007 - 2015), IM, NOMS, ICC, GLOBECOM, WCNC, BroadNet, and IPCCC. Dr. Du is a Senior Member of IEEE and a Life Member of ACM.

**Raheem Beyah** is an Associate Professor in the School of Electrical and Computer Engineering at Georgia Tech where he leads the Communications Assurance and Performance Group (CAP) and is a member of the Communications Systems Center (CSC). Prior to returning to Georgia Tech, Dr. Beyah was an Assistant Professor in the Department of Computer Science at Georgia State University, a research faculty member with the Georgia Tech CSC, and a consultant in Andersen Consulting's (now Accenture) Network Solutions Group. He received his Bachelor of Science in Electrical Engineering from North Carolina A&T State University in 1998. He received his Masters and Ph.D. in Electrical and Computer Engineering from Georgia Tech in 1999 and 2003, respectively. Dr. Beyah served as a Guest Editor for MONET. He is an Associate Editor of several journals including the (Wiley) Wireless Communications and Mobile Computing Journal. His research interests include network security, wireless

networks, network traffic characterization and performance, and security in critical infrastructure networks. He received the National Science Foundation CAREER award in 2009 and was selected for DARPA's Computer Science Study Panel in 2010. He is a member of ASEE, a lifetime member of NSBE, and a senior member of ACM and IEEE.

**Xiaoyan Zhu** is an Associate Professor in the National Key Laboratory of Integrated Services Networks, School of Telecommunications Engineering, Xidian University, Xi'an, China. She received the B.Eng. degree in Information Engineering, M.Eng. degree in Communication and Information Systems and Ph.D. degree in Cryptography, all from Xidian University, in 2000, 2004 and 2009, respectively. Her current research focuses on security and privacy in mobile online social networks, mobile cloud computing, mobile healthcare systems, genome data, and vehicular ad hoc networks. She served as a Publication Co-Chair for 2013 IEEE Wireless Communications and Networking Conference (WCNC'13).