

1. Title: COMMUNICATION AND INFORMATION SYSTEM SECURITY SYMPOSIUM

2. Symposium Co-Chairs: Yingfei Dong, University of Hawaii, USA
Kejie Lu, University of Puerto Rico, USA
Nidal Nasser, University of Guelph, Canada
Yanchao Zhang, New Jersey Institute of Technology, USA

3. Sponsoring Technical Committees:

ComSoc Communications and Information Security Technical Committee (TC CIS) and
Computer Communication Technical Committee (TC CC)

4. Symposium scope and motivation

Scope: The Communication and Information System Security (CISS) Symposium aims at addressing all security issues in analysis, design, implementation, deployment, and management of information security systems. Computer and network security has become vitally important to our society, industry and governments, as various security breaches and attacks happen every day. Although many security solutions have been developed and deployed, many issues are still open, such as botnets, spam and DDoS attacks. In addition, many other important issues such as usability and privacy have not been adequately addressed in the past. Therefore, we are looking for new ideas, models, theory, and practical solutions to be presented and discussed in the symposium. We will also solicit various developments in evaluation and improvement of current security technologies.

A submitted paper should present high-quality and previously unpublished work, and should not be submitted to other conferences or journals in the same time.

5. Topics of Interest

Authorization, Access Control, and Accounting
Availability of Secure Services and Systems
Authentication Protocols and Services
Active Defense Mechanisms
Auditing of Services, Systems, and Applications
Anonymous Communication and Applications
Biometric Security: Technologies, Risks and Vulnerabilities
Botnets Detection and Defense
Confidentiality and Integrity Protection
Critical Infrastructure Security
Cryptography, Cryptanalysis, and Cryptographic Systems
Distributed Denial-Of-Service (DDoS) Attacks and Countermeasures
Deployment and Management of Computer/Network Security Policies
Distributed Intrusion Detection Systems & Countermeasures
Detection of Unknown Attacks
Device Security
Fighting E-crime and Forensics
Firewall Technologies
Identity Management
Information Hiding and Watermarking
Key Distribution and management
Light-Weight Cryptography

Mobile Communications Security
Mobile Code Security
Monitoring Design for Security
Network Penetration Testing
Network Security Metrics and Performance Evaluation
Network Traffic Analysis Techniques
Operating System (OS) Security and Analysis Tools
PKI and security management
Packet Inspection Techniques
Prevention, Detection and Reaction Design
Privacy in services, systems and applications
Social Network Security and Privacy Issues
Network Resilience & Self-Healing Networks
Secure Physical, MAC, Routing and Upper Layer Protocols
Secure Cross-Layer Design
Secure Naming and Addressing
Secure System Implementation Techniques
Secure Hardware Design
Secure Optical networks
Security Modeling and Protocol design
Security Specification Techniques
Security in Ad-hoc, Sensor, and Mesh Networks
Security in RFID systems
Security in Vehicular Networks
Security in Cellular Networks
Security in Cloud Computing
Security in Delay Tolerant Networks
Security in Cyber-Physical Systems
Trust models and Trust establishment
Traffic Accountability
Usability of Security Systems
Vulnerability, Exploitation Tools, and Virus/Worm Analysis
Web, Email, E-Commerce, and M-Commerce Security

6. Initial list of the Technical Program Committee

Technical Program Committee (Tentative list, will be expanded)

Ehab Al-Shaer, DePaul University, USA
Edo Biagioni, University of Hawaii
Raheem Beyah, Georgia State University, USA
Cristian Borcea, New Jersey Institute of Technology
Fernando Boavida, University of Coimbra.
Zhenfu Cao, SJTU, P.R. China
Mihaela Cardei, Florida Atlantic University
Ionut Cardei, Florida Atlantic University
Jaideep Chandrashekar, Intel Research
H. Jonathan Chao, Polytechnic University Brooklyn, USA
Shigang Chen, University of Florida, USA
Xuezhen Chen, George Washington University, USA

Hsiao-Hwa Chen, National Sun Yat-Sen University, Taiwan
Yingying Chen, Stevens Institute of Technology, USA
Yu Chen, State University of New York - Binghamton, USA
Yan Chen, Northwestern University
Hao Chen, UC Davis
Yu Cheng, Illinois Institute of Technology, USA
Chang-ho Choi, Cisico Inc.
Beakyong Choi, UMKC
Song Ci, University of Nebraska-Lincoln, USA
Junhong Cui, University of Connecticut
Reza Curtmola, New Jersey Institute of Technology
Zhenhai Duan, Florida State University
Arjan Duresi, Indiana University Purdue University Indianapolis, USA
Fan Ye, IBM T.J. Watson Research, USA
Michael J Freedman, Princeton University, USA
Xinwen Fu, University of Massachusetts Lowell, USA
Xiaoming Fu, University of Goettingen, Germany
Marco Gruteser, Rutgers University, USA
Kartik Gopalan, SUNY Bingham
Yong Guan, Iowa State University, USA
Guang Gong, University of Waterloo, Canada
Zhu Han, "University of Houston, USA
Tian He, University of Minnesota
Xiaoyan Hong, University of Alabama, USA
Dijiang Huang, Arizona State University, USA
Chin-Tser Huang, University of South Carolina, USA
Jiankun Hu, RMIT University, Australia
Fei Hu, RIT
Stamatios V Kartalopoulos, University of Oklahoma
Yong-dai Kim, University of Minnesota
Sanghwan Lee, Kookmin University, Seoul, Korea
Chi-Sung Laih, National Cheng Kung University
Loukas Lazos, University of Arizona, USA
Jie Li, University of Tsukuba, Japan
Jun Li, University of Oregon, USA
Xiaoming Li, Peking University
Guangzhi Li, AT&T
Tongtong Li, Michigan State University, USA
Yingbin Liang, University of Hawaii
Xiaodong Lin, University of Ontario Institute of Technology, Canada
Xue Liu, McGill University, Canada
Wenjiong Lou, Worcester Polytechnic Institute, USA
Kejie Lu, University of Puerto Rico at Mayaguez, Puerto Rico
Ashraf Matrawy, Carleton University, Canada
Peter Mueller, IBM Zurich Research Laboratory, Switzerland
Srihari Nelakuditi, University of Southern Carolina, USA
Jianping Pan, University of Victoria, Canada
Oliver Paul, Institut national des Telecommunications, France
Jung-Min Park, Virginia Polytechnic Institute and State University, USA
Tao Peng, Australia
Wesley Peterson, University of Hawaii, USA

Yi Qian, National Institute of Standards and Technology, USA
Daji Qiao, Iowa State University, USA
Peter Reiher, University of California at Los Angeles, USA
Jian Ren, Michigan State University, USA
Lifeng Sang, Ohio State University, USA
Sejun Song, Wichita State University
Aaron Striegel, Notre Dame University, USA
Yan Sun, University of Rhode Island, USA
Kazuo Sugihara, University of Hawaii, USA
K.P. (Suba) Subbalakshmi, Steven Institute of Technology, USA
Xinyuan Wang, George Mason University, USA
Haining Wang, College of William and Mary, USA
Lingyu Wang, Concordia University, USA
Weichao Wang, University of North Carolina at Charlotte, USA
Guiling Wang, New Jersey Institute of Technology
Yang Xiang, Central Queensland University, Australia
Yang Xiao, The University of Alabama, USA
Kaiqi Xiong, North Carolina State University, USA
Chen-zhong Xu, Wayne State, USA
Kuai Xu, Yahoo, USA
Wenyuan Xu, University of South Carolina, USA
Dong Xuan, Ohio State University, USA
Yibo Xue, Tsinghua University, China
Yuan Xue, Vanderbilt University, USA
Hao Yang, IBM T.J. Watson Research, USA
Danfeng Yao, Rutgers University, USA
Moustafa Youssef, Nile University Egypt
Ming Yu, Florida State University, USA
Weiyi Zhang, North Dakota State University, USA
Xi Zhang, Texas A&M University
Cliff Zhou, University of Central Florida, USA
Wen-Tao Zhu, China
Hongli Zhang, Harbin Institute of Technology, China
Bin Zhu, Microsoft Research Asia
Bo Zhu, Concordia University, Canada
Ying Zhu, Georgia State University, USA
Wensheng Zhang, Iowa State University, USA
Haojin Zhu, Shanghai Jiao Tong University, China

(and More)

7. Biography of co-chairs.

Prof. Yingfei Dong's main research areas are computer networking and network security. He received his Ph.D degree in Computer and Information Science from the University of Minnesota in 2003, his Doctor degree in Engineering from Tsinghua University in 1996, his Master degree and Bachelor degree from Harbin Institute of Technology in 1992 and 1989, respectively. He joined the Dept. of Electrical Engineering at the University of Hawaii in 2003 and serves as a tenured associate professor since 2008. His current research is mostly on network security and real-time networks. He has served as a panelist for NSF from 2006 to present, as a referee for

many IEEE/ACM transactions and journals, and as a TPC member for more than 40 IEEE/ACM/IFIP conferences and symposiums, including IEEE INFOCOM, ICC, Globecom, ICDCS, ICCCN, IWQoS, IFIP Networking, etc.

Dr. Kejie Lu received the B.S. and M.S. degrees in telecommunications engineering from Beijing University of Posts and Telecommunications, Beijing, China, in 1994 and 1997, respectively. He received the Ph.D. degree in electrical engineering from the University of Texas at Dallas in 2003. In 2004 and 2005, he was a Postdoctoral Research Associate in the Department of Electrical and Computer Engineering, University of Florida. Since July 2005, he has been an Assistant Professor in the Department of Electrical and Computer Engineering, University of Puerto Rico at Mayaguez. His research interests include architecture and protocols design for computer and communication networks, performance analysis, network security, and wireless communications. Dr. Kejie Lu has served as the track chair for the IEEE MILCOM 2007 and MILCOM 2008, the track co-chair for IEEE VTC-2008 Spring, and TPC co-chair of ISWPC 2007. He is a senior member of the IEEE.

Dr. Nidal Nasser (M'00) received his B.Sc. and M.Sc. degrees with Honors in Computer Engineering from Kuwait University, State of Kuwait, in 1996 and 1999, respectively. He completed his Ph.D. in the School of Computing at Queen's University, Kingston, Ontario, Canada, in 2004. He is currently an Associate Professor in the Department of Computing and Information Science at University of Guelph, Guelph, Ontario, Canada. He has authored several journal publications, refereed conference publications and seven book chapters. He has also given tutorials in major international conferences. He is an associate editor of the Journal of Computer Systems, Networks, and Communications, Wiley's International Journal of Wireless Communications and Mobile Computing and Wiley's Security and Communication Networks Journal. He has been a member of the technical program and organizing committees of several international IEEE conferences and workshops. Dr. Nasser is a member of several IEEE technical committees. He received Fund for Scholarly and Professional Development Award in 2004 from Queen's University. He received the Best Research Paper Award at the ACS/IEEE International Conference on Computer Systems and Applications (AICCSA'08).

Prof. Yanchao Zhang received the BE degree in computer communications from the Nanjing University of Posts and Telecommunications, Nanjing, China, in July 1999, the ME degree in computer applications from the Beijing University of Posts and Telecommunications, Beijing, in April 2002, the PhD degree in electrical and computer engineering from the University of Florida, Gainesville, in August 2006. Since then, he has been an assistant professor in the Department of Electrical and Computer Engineering, New Jersey Institute of Technology. His research interests include network and distributed system security, wireless networking, and mobile computing. He is an Associate Editor of IEEE Transactions on Vehicular Technology and has served as a TPC member for many conferences, including INFOCOM, MOBIHOC, ICDCS, and IWQoS. He is a member of the IEEE and the ACM.