1. Title: **COMMUNICATION AND INFORMATION SECURITY SYMPOSIUM** (CIS Symposium)

2. **Symposium Co-Chairs:**

Yi Qian, University of Nebraska - Lincoln, USA. Email: yqian@ieee.org
Xinwen Fu, University of Massachusetts Lowell, USA. Email: xinwenfu@cs.uml.edu
Kui (Quinn) Ren, Illinois Institute of Technology, USA. Email: kui.ren@iit.edu
Dijiang Huang, Arizona State University, USA. Email: dijiang@asu.edu

3. **Sponsoring Technical Committees:**

ComSoc Communications and Information Security Technical Committee (CISTC)

4. **Symposium scope and motivation**

With the advent of pervasive computer applications and due to the proliferation of heterogeneous wired and wireless computer and communication networks, security, privacy and trust issues have become paramount. This Symposium will address all aspects of the modeling, design, implementation, deployment, and management of security algorithms, protocols, architectures, and systems. Furthermore, contributions devoted to the evaluation, optimization, or enhancement of security and privacy mechanisms for current technologies, as well as devising efficient security and privacy solutions for emerging areas from physical layer technology to the application layer, are solicited. A submitted paper should present high-quality and previously unpublished work, and should not be submitted to other conferences or journals in the same time.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**

Authentication protocols and message authentication
Biometric security: technologies, risks, vulnerabilities, bio-cryptography, mobile template protection
Cloud computing security
Computer and network forensics
Cryptanalysis
DDOS attacks, DNS spoofing, intrusion, localization and countermeasures
Digital right management: information hiding, watermarking, fingerprinting, and traitor tracing scheme
Formal trust models, security modeling and protocol design
Information systems security and security management
Mobile and Wireless network security, including ad hoc networks, P2P networks, 3G, 4G, sensor networks, Bluetooth, 802.11 family and WiMAX
Network security metrics and performance
Operating systems and application security and analysis tools
Optical network security
Physical security and hardware/software security
Privacy and privacy enhancing technologies
Public-key, symmetric-key, applied crypto, coding-based cryptography,

Quantum cryptography
Smart Grid Security
Virtual private networks
VoIP, IPTV, DAB, and other multimedia security
Vulnerability, exploitation tools and virus analysis
Web, eBusiness, eCommerce, eGovernment security

6. **Technical Program Committee**

Sudhir Aggarwal, Florida State University, USA
Ala Al-Fuqaha, Western Michigan University, USA
Dhiman Barman, Juniper Networks, USA
Raheem Beyah, Georgia State University, USA
Fernando Boavida, University of Coimbra, Portugal
Giovanni Bodini, University of Rome "Tor Vergata", Italy
Rajendra Boppana, University of Texas at San Antonio, USA
Ioannis Broustis, University of California, Riverside, USA
Hasan Cam, Arizona State University, USA
Jiannong Cao, Hong Kong Polytechnic University, China
Yu Chen, State University of New York – Binghamton, USA
Songqing Chen, George Mason University, USA
Yu Cheng, Illinois Institute of Technology, USA
Xiuzhen Cheng, George Washington University, USA
Changho Choi, Cisco Systems, Inc., USA
Jing Deng, University of North Carolina at Greensboro, USA
Liping Ding, Chinese Academy of Sciences, China
Xiaojiang Du, Temple University, USA
Zhenhai Duan, Florida State University, USA
Arjan Durresi, Indiana University Purdue University Indianapolis, USA
Mario Freire, University of Beira Interior, Portugal
Shengli Fu, University of North Texas, USA
Guang Gong, University of Waterloo, Canada
Manimaran Govindarasu, Iowa State University, USA
Guofei Gu, Texas A&M University, USA
Qijun Gu, Texas State University-San Marcos, USA
Yong Guan, Iowa State University, USA
Zhu Han, University of Houston, USA
Pin-Han Ho, University of Waterloo, Canada
Jiankun Hu, RMIT University, Australia
Fei Hu, University of Alabama, USA
Rose Qingyang Hu, Utah State University, USA
Chin-Tser Huang, University of South Carolina, USA

Nen-Fu Huang, National Tsing Hua University, Taiwan
Di Jin, General Motors, USA
Yoshito Kanamori, University of Alaska at Anchorage, USA
Loukas Lazos, University of Arizona, USA
Jie Li, University of Tsukuba, Japan
Tongtong Li, Michigan State University, USA
Wei Li, Victoria University, New Zealand
Xiaodong Lin, University of Ontario Institute of Technology, Canada
Zhijun Liu, Cisco Systems, USA
Huadong Ma, Beijing University of Posts and Telecommunications, China
Liran Ma, Texas Christian University, USA
Ashraf Matrawy, Carleton University, Canada
Claudio Mazzariello, Federico II University of Napoli, Italy
Suat Ozdemir, Gazi University, Turkey
Jianping Pan, University of Victoria, Canada
Stefano Paraboschi, University of Bergamo, Italy
Raphael Phan, Loughborough University, UK
Vincenzo Piuri, University of Milan, Italy
Erwin Rathgeb, University Duisburg-Essen, Germany
Peter Reiher, UCLA, USA
Jian Ren, Michigan State University, USA
Simon Pietro Romano, University of Napoli Federico II, Italy
Bo Rong, Communications Research Center Canada, Canada
Vassil Roussev, University of New Orleans, USA
Lifeng Sang, The Ohio State University, USA
Nitesh Saxena, Polytechnic Institute of New York University, USA
Yue Shang, The MathWorks, USA
Zhijie Shi, University of Connecticut, USA
Jing Shi, New Jersey Institute of Technology, USA
SeongHan Shin, AIST, Japan
Sabrina Sicari, Università degli Studi dell'Insubria, Italy
Sejun Song, Texas A&M University, USA
Aaron Striegel, University of Notre Dame, USA
Jinyuan (Stella) Sun, University of Tennessee, USA
Guanglu Sun, Tsinghua University, China
Keisuke Takemori, KDDI R&D Laboratories Inc., Japan
Guillaume Urvoy-Keller, University of Nice Sophia-Antipolis, France
Pramode Verma, The University of Oklahoma, USA
Giacomo Verticale, Politecnico di Milano, Italy
Zhiguo Wan, Tsinghua University, China
Haining Wang, College of William and Mary, USA
Lingyu Wang, Concordia University, Canada

Weichao Wang, University of North Carolina at Charlotte, USA
Xinyuan Wang, George Mason University, USA
Guilin Wang, University of Wollongong, Australia
Shujing Wang, Chinese Academy of Sciences, China
Feng Wang, Arizona State University, USA
Honggang Wang, University of Massachusetts Dartmouth, USA
Wei Wang, South Dakota State University, USA
Carlos Becker Westphall, Federal University of Santa Catarina, Brazil
Qianhong Wu, Universitat Rovira i Virgili, Spain
Yang Xiang, Deakin University, Australia
Yang Xiao, The University of Alabama, USA
Bin Xiao, The Hong Kong Polytechnic University, China
Gaoxi Xiao, Nanyang Technological University, Singapore
Mengjun Xie, University of Arkansas at Little Rock, USA
Kaiqi Xiong, North Carolina State University, USA
Kuai Xu, Arizona State University, USA
Shouhuai Xu, University of Texas at San Antonio, USA
Wenyuan Xu, University of South Carolina, USA
Yibo Xue, Tsinghua University, China
Guanhua Yan, Los Alamos National Laboratory, USA
Hao Yang, Nokia Research Center, USA
Danfeng Yao, Rutgers University, USA
Alec Yasinsac, University of South Alabama, USA
Fan Ye, IBM T. J. Watson Research Center, USA
Jae-Seung Yeom, Virginia Tech, USA
Seong-Moo Yoo, University of Alabama-Huntsville, USA
Ming Yu, Florida State University, USA
Wei Yu, Towson University, USA
Shucheng Yu, University of Arkansas at Little Rock, USA
Chuan Yue, University of Colorado at Colorado Springs, USA
Rui Zhang, Arizona State University, USA
Chi Zhang, University of Florida, USA
Wensheng Zhang, Iowa State University, USA
Zhenyu Zhong, Mcafee, USA
Jiazhen Zhou, Howard University, USA
Wen Tao Zhu, Graduate University of Chinese Academy of Sciences, China
Ying Zhu, Georgia State University, USA
Ye Zhu, Cleveland State University, USA
Cliff Zou, University of Central Florida, USA

7. Biography of co-chairs

Yi Qian received a Ph.D. degree in electrical engineering from Clemson University. Currently he is an assistant professor in the Department of Computer and Electronics Engineering, University of Nebraska-Lincoln, located at the Peter Kiewit Institute in Omaha, NE. His research interests include information assurance and network security, computer networks, mobile wireless ad-hoc and sensor networks, wireless communications, systems and networks. Dr. Yi Qian is a veteran of telecommunications industry, academia, and U.S. government. His previous professional experience included serving as a senior member of scientific staff and a technical advisor at Nortel Networks, an assistant professor at University of Puerto Rico at Mayaguez, and a senior research member at the National Institute of Standards and Technology - a major U.S. federal government agency. He has a successful track record to lead research teams and to publish research results in leading scientific journals and conferences. Several of his recent journal articles on wireless network design and wireless network security are among the most accessed papers in the IEEE Digital Library. Dr. Yi Qian is a member of ACM and a senior member of IEEE.

Xinwen Fu is an assistant professor in the Department of Computer Science, University of Massachusetts Lowell. He received B.S. (1995) and M.S. (1998) in Electrical Engineering from Xi'an Jiaotong University, China and University of Science and Technology of China respectively. He obtained Ph.D. (2005) in Computer Engineering from Texas A&M University. Dr. Fu won the 2nd place in the graduate category of the International ACM student research contest in 2002, the Graduate Student Research Excellence Award of the Department of Computer Science at Texas A&M University in 2004, the Merrill Hunter Award for Excellence in Research at Dakota State University in 2008 and the best paper award at International Conference on Communications (ICC) 2008. Dr. Fu's current research interests are in network security and privacy, network forensics, computer forensics, information assurance, system reliability and networking QoS. Dr. Fu has been publishing papers in conferences such as IEEE Symposium on Security and Privacy (S&P), ACM CCS, ACM MobiHoc (ACM International Symposium on Mobile Ad Hoc Networking and Computing), IEEE International Conference on Computer Communications (INFOCOM) and IEEE International Conference on Distributed Computing Systems (ICDCS), journals such as IEEE Transactions on Parallel and Distributed Systems (TPDS) and IEEE Transactions on Computers (TC), book and book chapters. His research is supported by NSF

Kui Ren is currently an Assistant Professor of Electrical and Computer Engineering Department at the Illinois Institute of Technology. Kui received his Bachelors and Masters Degrees from Zhejiang University in 1998 and 2001, respectively and his PhD in Electrical and Computer Engineering from Worcester Polytechnic Institute in 2007. Kui's research interests include Security & Privacy in Cloud Computing, Lower-layer Attack & Defense Mechanisms for Wireless Networks, Smart Grid Security, and Sensor & Mesh Network Security. He currently leads the Ubiquitous Security & Privacy Research Laboratory at IIT, and his research is supported by US National Science Foundation, US Department of Energy, and Amazon Web Service. Kui serves as an associate editor for IEEE Wireless Communications and is the lead guest editor for IEEE Transactions on Smart Grid special issue on Cyber, Physical and System Security for Smart Grid.

Dijiang Huang received his Bachelor of Science degree in Telecommunications from Beijing University of Posts & Telecommunications in 1995. He received his Master of Science and PhD degrees from

University of Missouri-Kansas City in 2001 and 2004, respectively. Both majored in Computer Science and Telecommunications. He joined Computer Science and Engineering department at ASU in 2005 as an assistant professor. His current research interests are in two areas. Security and privacy: cryptography, key management, authentication protocol, attack analysis, privacy preserving, and attack resilient network design. Computer system and networking: cloud computing, network protocols design, and mobile communication. Dr. Huang's research is supported by NSF, ONR, AFRL, and Consortium of Embedded System (CES). He is a recipient of ONR Young Investigator Award 2010.