

Curriculum Vitae, Yu Chen

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BIOGRAPHICAL SKETCH

Dr. Yu Chen is an Associate Professor of Electrical and Computer Engineering at the Binghamton University - State University of New York (SUNY). He received the Ph.D. in Electrical Engineering from the University of Southern California (USC) in 2006. Leading the Ubiquitous Smart & Sustainable Computing (*US²C*) Lab, his research interest lies in Trust, Security and Privacy in Pervasive Computing technologies, including Cloud/Fog Computing; Smart Surveillance; Self-Powered Cyber Infrastructure based on Energy Harvesting; and Hardware Architecture for Security. He has authored or co-authored more than 100 research papers in refereed journals, conferences, and book chapters. His research has been funded by NSF, DoD, AFOSR, AFRL, New York State, and industrial partners. He has served as reviewer for NSF panels and for international journals, and on the Technical Program Committee (TPC) of prestigious conferences. He is a member of ACM, IEEE (Computer Society & Communication Society), and SPIE.

EDUCATION

- Ph.D. Electrical Engineering
University of Southern California, Los Angeles, California, USA, Dec. 2006.
Thesis: “*Collaborative Detection and Filtering of DDoS Attacks in ISP Core Networks*”
Advisor: Professor Kai Hwang
- M.S. Electrical Engineering
University of Southern California, Los Angeles, California, USA, Dec. 2002.
- M.S. Electrical Engineering
Chongqing University, Chongqing, China, June 1997.
Thesis: “*High Precision Non-Contact Metrology on Irregular Rotation Profiles*”
Advisor: Professor Xianxin Zhong
- B.S. Electrical Engineering in Opto-Electronic Precise Instruments
Chongqing University, Chongqing, China, June 1994.

WORKING EXPERIENCES

- **Associate Professor**, Jan. 2013 – Present, Department of Electrical & Computer Engineering, Binghamton University, State University of New York, USA.
- **Graduate Program Director**, Aug. 2014 – Present, Department of Electrical & Computer Engineering, Binghamton University, State University of New York, USA.
- **Assistant Professor**, Jan. 2007 – Dec. 2012, Department of Electrical & Computer Engineering, Binghamton University, State University of New York, USA.
- **Visiting Summer Research Faculty**, May 2015 – July 2015, May 2014 – August 2014, June 2013 – July 2013, June 2012 – August 2012, U.S. Air Force Research Laboratory, Visiting Faculty Research Program (AFRL/VFRP).
- **Graduate Research Assistant**, May 2001 – Dec. 2006, Department of Electrical Engineering – Systems, University of Southern California (USC), Los Angeles, California, USA.

- **Graduate Teaching Assistant**, Spring 2005, Course: “EE450: Introduction to Computer Networks,” Department of Electrical Engineering - Systems, University of Southern California, Los Angeles, California., USA. (*Course Instructor: Prof. Bhaskar Krishnamachari*)

GRANTS & AWARDS

External Awards

- [G1] PI, *US Air Force Research Lab (AFRL)*, “Dynamic, Intelligent Urban Surveillance using Fog Computing,” July 1, 2016– June 30, 2017, \$22,000;
- [G2] Co-PI, *NSF EARS program, CNS-1443885*, “Collaborative Research: Intelligence Measure of Cognitive Radio Networks,” with PI Dr. Edward Li, Co-PI Dr. Kai Zeng, Jan. 1, 2015 – Dec. 31, 2017, \$454,999 (\$680,145);
- [G3] Co-PI, *NSF EARS program*, “Collaborative Research: Intelligence Measure of Cognitive Radio Networks,” REU supplement, with PI Dr. Edward Li, May 1, 2015 – April 30, 2016, \$16, 000;
- [G4] Senior Personnel, *NSF SaTC Program*, “TWC SBE: Small: Collaborative Research: Brain Password: Exploring A Psychophysiological Approach for Secure User Authentication,” PI Dr. Zhanpeng Jin, Co-PI Dr. Sarah Laszlo, October 1, 2014 – September 30, 2017, \$345,188;
- [G5] PI, *Intelligent Fusion Technology, Inc.*, “A Secure, Real-Time Resource Provisioning Cloud Architecture for Elastic Information Fusion,” August 14, 2014 – May 30, 2015, \$30,000;
- [G6] Co-PI, *The Southern Tier Regional Economic Development Council*, “Telemedicine and Mobile Health Technology,” with PI Dr. Mohammad Khasawneh, Co-PIs Dr. Zhanpeng Jin, Dr. Lijun Yin, and Dr. Madhu Govindaraju, June 2014 – December 2015, \$1.6M;
- [G7] PI, *Intelligent Fusion Technology, Inc.*, “Design and Development of Cloud Computing based Service for Robots Applications,” October 29, 2012 – August 29, 2013, \$30,000;
- [G8] PI, *NSF CNS program*, “CRI-IAD: Infrastructure Acquisition and Development for Computer Architecture Research and Education,” May 4, 2011 – September 30, 2012, \$52, 000;
- [G9] Co-PI, *AFOSR*, “Detection of Covertly Embedded Hardware in Digital Systems,” April 1, 2010 – February 28, 2014, with PI Dr. Douglas Summerville, \$449, 931;
- [G10] Co-PI, *DoD Defense University Research Instrumentation Program (DURIP)*, “A Testbed for Reconfigurable Network Security Research and Experiment,” June 2008 – May 2009, with PI Dr. Douglas Summerville, \$214, 385;

Internal Awards

- [G11] PI, *Binghamton University, Interdisciplinary Collaboration Research Grant (ICG)*, “A Novel Statistical-Analytic Cloud Approach to Autonomous, Real-Time Threat Detection in Modern Smart Grid Networks,” July 1, 2014 – June 30, 2015, with Co-PI Dr. Aleksey Polunchenko, \$20,000;
- [G12] Co-PI, *Binghamton University, Interdisciplinary Collaboration Research Grant (ICG)*, “Energy Harvesting from Mechanical Vibrations Using Nonlinear Resonators for Wireless Sensor Networks,” Aug. 1, 2014 – July 30, 2015, with PI Dr. Shahrzad "Sherry" Towfighian and Co-PI Dr. Alok Rastogi, \$17,000;
- [G13] PI, *Binghamton University, Team-Taught Interdisciplinary Course Development Program*, “Contemporary Statistical Cybersecurity,” January 1, 2014 – December 31, 2014, with PI Dr. Aleksey Polunchenko, \$9,000;

- [G14] PI, *Binghamton University, Academic Program and Faculty Development Fund (AP/FD)*, “Toward Development of a Comprehensive Master’s Program in Cyber Security Engineering,” January 1, 2012 – December 31, 2012, with Co-PIs Dr. Scott Craver, Dr. Jessica Fridrich, Dr. Victor Skormin, and Dr. Douglas Summerville;
- [G15] PI, *Binghamton University, Interdisciplinary Collaboration Research Grant (ICG)*, “A Self-Powered Evolutionary Wireless Sensor Network,” June 1, 2011 – May 31, 2012, with Co-PIs Dr. Christopher Twigg and Dr. Omowunmi Sadik, \$10,000;
- [G16] Co-PI, *Academic Programs and Faculty Development Fund Program, Binghamton University*, “New Interdisciplinary Graduate Concentration/Certificate Programs in Complex Systems Science and Engineering,” January 2011 – December 2011, with PI Dr. Hiroki Sayama, Co-PIs Dr. Craig Laramee, Dr. Andreas Pape, Dr. Kenneth Chiu, Dr. Harold Lewis, Dr. Nagen Nagarur, and other members of CoCo group, \$10,000;
- [G17] *The NYS/UUP Campus Individual Development Award, Binghamton University*, December 2010, \$1,000;
- [G18] *The NYS/UUP Campus Individual Development Award, Binghamton University*, October 2008, \$1,000;

Equipment Donation

- [G19] *Xilinx Equipment Donation* to study “Hardware/Software Co-design for Secure Embedded Systems Extension”, July 2008, \$23,469.

PUBLICATIONS

Book Chapter Contribution

- [B1] N. Chen, **Y. Chen**, X. Ye, and H. Ling, “Smart City Surveillance in Fog Computing,” *Advances in Mobile Cloud Computing and Big Data Under the 5G Era*, edited by C. X. Mavromoustakis, G. Mastorakis, and C. Dobre, Springer, ISBN 978-3-319-45143-5, Nov. 2016.
- [B2] B. Liu and **Y. Chen**, “Auditing for Data Integrity and Reliability in Cloud Storage,” *Handbook on Data Centers*, edited by S. U. Khan and A. Zomaya, Springer, ISBN 978-1-4939-2091-4, 2015.
- [B3] E. Blasch, **Y. Chen**, G. Chen, D. Shen, and R. Kohler, “Information Fusion in a Cloud-Enabled Environment,” *High Performance Cloud Auditing and Applications*, edited by K.-S. Han, B.-Y. Choi, and S.-J. Song, Springer, ISBN 978-1-4614-3295-1, 2013.
- [B4] J. Feng, **Y. Chen**, D. Summerville, and K. Hwang, “Fair Multi-Party Non-Repudiation Framework for Storage Clouds, Part II,” *Cloud Computing for Enterprise Architectures*, edited by Z. Mahmood and R. Hill, in “Computer Communications and Networks” book series by Springer-Verlag, ISBN 978-1-4471-2236-4, 2012.
- [B5] J. Feng, **Y. Chen**, D. Summerville, and K. Hwang, “Fair Multi-Party Non-Repudiation Framework for Storage Clouds, Part I,” *Cloud Computing for Enterprise Architectures*, edited by Z. Mahmood and R. Hill, in “Computer Communications and Networks” book series by Springer-Verlag, ISBN 978-1-4471-2236-4, 2012.
- [B6] H. Chen and **Y. Chen**, “An Experimental Comparison of Collaborative Defense Strategies for Network Security,” *Pervasive Computing and Networking*, edited by I. Woungang, published by John Wiley & Sons Limited, UK, ISBN-10: 0-470-74772-2, ISBN-13: 978-0-470-74772-8, June 2011.

- [B7] **Y. Chen**, J. Feng, W.-S. Ku, P. Liu, and Z. Su, "Secure Distributed Data Storage in Cloud Computing," *Cloud Computing*, edited by R. Buyya, J. Broberg, and A. Goscinski, published by Wiley, Inc. New York, USA, 2010. ISBN-10: 0470887990, ISBN-13: 978-0470887998.
- [B8] H. Chen, J. Feng, **Y. Chen**, and D. Summerville, "Securing Network Infrastructure using Reconfigurable Hardware Devices," *Security Engineering Techniques and Solutions for Information Systems: Management and Implementations*, edited by N. Boudriga and M. Hamdi, published by Idea Group, Inc., ISBN 1615208038, 2010.
- [B9] **Y. Chen**, H. Chen, and W.-S. Ku, "Malicious Node Detection in Wireless Sensor Networks," *Security in RFID and Sensor Networks*, edited by Josh Y. Zhang and Paris Kitsos, published by Auerbach Publications, Taylor & Francis Group, ISBN 1420068393, 2009.
- [B10] **Y. Chen** and W.-S. Ku, "Distributed Data Aggregation for DDoS Attacks Detection," *Encyclopedia of Data Warehousing and Mining*, 2nd Edition, edited by John Wang, published by Idea Group, Inc., ISBN 1591405572, 2008.

Journal Publications

- [J1] R. Wu, B. Liu, **Y. Chen**, E. Blasch, H. Ling, and G. Chen, "A Container-based Elastic Cloud Architecture for Pseudo Real-time Exploitation of Wide Area Motion Imagery (WAMI) Stream," *Special Issue: Dynamic Data Driven Application Systems (DDDAS) Concepts in Signal Processing, Journal of Signal Processing Systems*, November 2016.
- [J2] T. Gaska, C. Watkins, and **Y. Chen**, "Integrated Modular Avionics (IMA) Past, Present, and Future," *IEEE Aerospace and Electronic Systems, Special Issue on Avionics Systems*, Vol. 30, No. 9, September 2015.
- [J3] D. Arnold, Q. Gui, **Y. Chen**, and Z. Jin, "Data Imputation in Patient Monitoring: An Exploration of Significance of Patient Demographics," *the International Journal of Intelligent Information Processing (IJIP)*, Vol. 5, No.3, 2015.
- [J4] Z. Jin and **Y. Chen**, "Telemedicine in Cloud Era: Prospect and Challenges," *IEEE Pervasive Computing*, January – March Issue, 2015.
- [J5] A. Carpenter and **Y. Chen**, "Hardware Security in the Dark," *Special Issue on Information and System Security, International Journal of Software and Informatics (IJSI)*, Vol. 8, No. 2, 2014.
- [J6] A. Dolgikh, Z. Birnbaum, B. Liu, **Y. Chen**, and V. Skormin, "Cloud Security Auditing based on Behavioral Modeling," *International Journal of Business Process Integration and Management*, Vol. 7, No. 2, 2014.
- [J7] B. Liu, E. Blasch, **Y. Chen**, A. J. Aved, A. Hadiks, D. Shen, and G. Chen, "Information Fusion in Cloud Computing Era: A Systems-Level Perspective," *IEEE Aerospace and Electronic Systems (AES) Magazine*, Vol. 29, No. 10, pp.16-24, October 2014.
- [J8] X. Wang, Q. Gui, B. Liu, Z. Jin, and **Y. Chen**, "Enabling Smart Personalized Healthcare: a Hybrid Mobile-Cloud Approach for ECG Telemonitoring," *IEEE Journal of Biomedical and Health Informatics (JBHI)*, Vol. 18, No. 3, May 2014.
- [J9] S. Tong, M. Tong, C. Twigg, **Y. Chen**, and O. Sadik, "Energy Efficient Control for Smart Wastewater Treatment Plants using Self-Powered Wireless Sensor Networks," Invited Paper, *Sensor Letters, Special Issue on Wireless Sensor Networks Technologies and Applications for Smart Spaces*, Vol. 11, 2013, pp. 1689-1694.
- [J10] H. Chen, T. Gaska, **Y. Chen**, and D. Summerville, "An Optimal Reconfigurable Power Spectral Density Converter for Real-Time Shrew DDoS Attacks Detection," *Computers and Electrical*

Engineering, Elsevier, Vol. 39, Issue 2, Feb. 2013.

- [J11] J. Feng and **Y. Chen**, “A Fair Non-Repudiation Framework for Data Integrity in Cloud Storage Services,” *International Journal of Cloud Computing*, Vol. 2, No. 1, 2013.
- [J12] J. Feng, **Y. Chen**, and D. Summerville, “A Survey on XOR-based Erasure Codes for Canonical Storage Systems,” the *International Journal of Information, Intelligence and Knowledge (JIJK)*, Vol. 4, Issue 2, 2012.
- [J13] H. Chen, **Y. Chen**, and D. Summerville, “A Survey on the Application of FPGAs for Network Infrastructure Security,” *the IEEE Communications Surveys and Tutorial*, Vol. 13, Issue 4, 2011.
- [J14] H. Hu, **Y. Chen**, W.-S. Ku, Z. Su, and C.-H. Chen, “Weighted Trust Evaluation Based Malicious Node Detection for Wireless Sensor Networks”, *the International Journal of Information and Computer Security, special issue on Simulation of System Security*, Vol. 3, No. 2, 2009.
- [J15] **Y. Chen** and H. Chen, “NeuroNet: An Adaptive Infrastructure for Network Security,” *International Journal of Information, Intelligence and Knowledge*, Vol.1, No.2, 2009.
- [J16] W.-S. Ku, **Y. Chen**, and R. Zimmermann, “Privacy Protected Spatial Query Processing for Advanced Location Based Services”, *Journal of Wireless Personal Communications, special issue on Information Security and Data Protection in Future Generation Communication and Networking*, Vol. 47, October, 2008.
- [J17] **Y. Chen**, K. Hwang, and W.-S. Ku, “Collaborative Detection of DDoS Attacks over Multiple Network Domains”, *IEEE Transactions on Parallel and Distributed Systems*, Vol. 18, No. 12, December 2007.
- [J18] **Y. Chen** and K. Hwang, “Collaborative Detection and Filtering of Shrew DDoS Attacks using Spectral Analysis,” *Journal of Parallel and Distributed Computing, special issue on Security in Grids and Distributed Systems*, Vol. 66. No. 9, September 2006.
- [J19] K. Hwang, M. Cai, Y.-K. Kwok, S. Song, **Yu Chen**, and Ying Chen, “DHT-based security infrastructure for trusted internet and grid computing,” *International Journal on Critical Infrastructures*, Vol.2, No. 4, 2006.
- [J20] M. Cai, K. Hwang, Y.-K. Kwok, S. Song, and **Y. Chen**, “Collaborative Internet Worm Containment”, *IEEE Security and Privacy Magazine*, May/June 2005.
- [J21] J. Thalken, **Y. Chen**, A.F.J. Levi, and S. Haas, “Adaptive Quantum Design of Atomic Clusters”, *Physical Review B*, 69, 195410 2004.
- [J22] **Y. Chen**, R. Yu, W. Li, O. Nohadani, S. Haas, and A.F.J. Levi, “Adaptive Design of Nano-Scale Dielectric Structures for Photonics”, *Journal of Applied Physics*, November, 2003, pp6065-6069.

Conference/Workshop Publications

- [C1] T. Gaska, **Y. Chen**, D. Summerville, and M. Gaska, “Model based Design for Advanced Integrated Modular Avionics – Focus and Challenges,” the 73rd AHS International Annual Forum, Fort Worth, TX, USA, May 9-11, 2017.
- [C2] H. Gebre-Amlak, S. Lee, A. M. A. Jabbari, **Y. Chen**, B.-Y. Choi, C.-T. Huang, and S. Song, “MIST: Mobility-Inspired SoftWare-Defined Fog System,” *the 2017 International Conference on Consumer Electronics (ICCE), Cloud Computing Track*, Las Vegas, NV, USA, January 8 - 11, 2017.
- [C3] M. Dabaghchian, S. Liu, A. Alipour-Fanid, K. Zeng, X. Li, and **Y. Chen**, “Intelligence Measure of Cognitive Radio with Learning Capabilities,” *the IEEE GlobeCom 2016 – Symposium on*

Cognitive Radio and Networks, Washington, DC, USA, Dec. 4-8, 2016.

- [C4] P. Huang, B. Li, L. Guo, Z. Jin, and **Y. Chen**, "A Robust and Reusable ECG-based Authentication and Data Encryption Scheme for eHealth System," *the IEEE GlobeCom 2016 – Symposium on Communication & Information System Security*, Washington, DC, USA, Dec. 4-8, 2016.
- [C5] N. Chen, **Y. Chen**, S. Song, C. Huang, and X. Ye, "Smart Urban Surveillance using Fog Computing," *the First IEEE/ACM Symposium on Edge Computing (SEC 2016)*, Poster, Washington DC, USA, Oct. 27-28, 2016.
- [C6] T. Gaska, **Y. Chen**, and D. Summerville, "Leveraging Driverless Car Investment in Next Generation Avionics IMA," *the 35th IEEE Digital Avionics Systems Conference (DASC 2016)*, Sacramento, CA, USA, Sept. 25-29, 2016.
- [C7] B. Poland and **Y. Chen**, "AUSA Sensing and Commercial UAS Technology Trends," *the Military Sensing Symposium*, Washington, DC, USA, June 20-24, 2016.
- [C8] N. Chen, **Y. Chen**, Y. You, H. Ling, P. Liang, and R. Zimmermann, "Dynamic Urban Surveillance Video Stream Processing using Fog Computing," *the 2nd IEEE International Conference on Multimedia Big Data (BigMM 2016)*, Invited paper, Taipei, Taiwan, April 20-22, 2016.
- [C9] **Y. Chen**, E. Blasch, N. Chen, A. Deng, H. Ling, and G. Chen, "Real-Time WAMI Streaming Target Tracking in Fog," *the 2016 SPIE Defense, Security, and Sensing (DSS)*, Baltimore, Maryland, USA, April 17 – 21, 2016.
- [C10] B. Liu, Y. Lin, and **Y. Chen**, "A Quantitative Workload Analysis of Google Cluster Traces," *the 1st IEEE Workshop on Big Data Sciences, technologies, and Applications (BDSTA 2016)*, in conjunction with *IEEE INFOCOM*, San Francisco, CA, USA, April 11, 2016.
- [C11] X. Li, **Y. Chen**, and K. Zeng, "Integration of Machine Learning and Human Learning for Training Optimization in Robust Linear Regression," *the 41st IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Shanghai, China, March 2016.
- [C12] D. Summerville, K. Zach, and **Y. Chen**, "Ultra-Lightweight Deep Packet Anomaly Detection for Internet of Things Devices," *the 34th IEEE International Performance Computing and Communications Conference (IPCCC)*, Nanjing, China, Dec. 14-16, 2015.
- [C13] Z. Yang, N. Zhou, A. S. Polunchenko, and **Y. Chen**, "Singular Spectrum Analysis based Quick Online Detection of Disturbance Start Time in Power Grid," *the IEEE GlobeCom 2015 – Selected Areas in Communications Symposium: Smart Grid Communications Track*, San Diego, CA, USA, Dec. 6-10, 2015.
- [C14] B. Poland, **Y. Chen**, and J. Powell, "Performance Comparison Experiment of Optimized TCP via Emulation and Live Flight on SUAS," *the 34th IEEE Military Communication Conference (Milcom 2015)*, Tampa, FL, USA, Oct. 26 – 28, 2015.
- [C15] R. Wu, B. Liu, **Y. Chen**, E. Blasch, H. Ling, and G. Chen, "Pseudo-Real-Time Wide Area Motion Imagery (WAMI) Processing for Dynamic Feature Detection," *The International Conference on Information Fusion (Fusion 2015) – Special Session on Dynamic Data Driven Application Systems for Sensor Data Problems*, Washington DC, USA, July 6-9, 2015.
- [C16] R. Wu, A. Deng, **Y. Chen**, E. Blasch, and B. Liu, "Cloud Technology Applications for Area Surveillances," *the 2015 National Aerospace & Electronics Conference (NAECON'15)*, Dayton, OH., USA, June 16 - 18, 2015.
- [C17] Q. Dong, **Y. Chen**, and S. Towfighian, "MEGA: an Energy Aware Algorithm for Self-Powered

Wireless Sensor Networks in Sustainable Smart Infrastructure,” *the 2nd Workshop on Green Broadband Access: Energy Efficient Wireless and Wired Network Solutions - IEEE GlobeCom 2014*, Austin, Texas, USA, Dec. 12, 2014.

- [C18] R. Wu, **Y. Chen**, E. Blasch, B. Liu, and G. Chen, “A Container-Based Elastic Information Fusion Cloud Architecture for Real-Time Full-Motion Video (FMV) Target Tracking,” *the 2014 IEEE Applied Imagery Pattern Recognition (AIPR) workshop*, Washington DC, USA, October 14-16, 2014. **[Best Student Poster Award]**
- [C19] B. Poland, **Y. Chen**, M. Muccio, and D. Hague, "Context Aware TCP for Intelligence, Surveillance and Reconnaissance Mission on Autonomous Platforms," *the Military Communications Conference (MILCOM)*, Baltimore, MD, USA, October 6-8, 2014.
- [C20] B. Liu, **Y. Chen**, D. Shen, G. Chen, K. Pham, E. Blasch, and B. Rubin, “An Adaptive Process based Cloud Infrastructure for Space Situational Awareness Applications,” *the 2014 SPIE Defense, Security, and Sensing (DSS)*, Baltimore, Maryland, USA, May 5 – May 9, 2014.
- [C21] A. Hadiks, **Y. Chen**, F. Li, and B. Liu, “A Study of Stealthy Denial-of-Service Attacks in Wi-Fi Direct Device-to-Device Networks,” *the 11th Annual IEEE Consumer Communication & Networking Conference, Work-in-Progress (CCNC 2014, WiP)*, Las Vegas, NV, USA, Jan. 10 - 13, 2014.
- [C22] J. Hubbard, K. Weimer, and **Y. Chen**, “A Study of SSL Proxy Attacks on Android and iOS Mobile Applications,” *the 11th Annual IEEE Consumer Communication & Networking Conference (CCNC 2014)*, Las Vegas, NV, USA, Jan. 10 - 13, 2014.
- [C23] R. Golatkar, **Y. Chen**, and W.-S. Ku, “LAVI: A Location Aware Virtual Infrastructure for VANETs,” *the 2nd International Conference on Connected Vehicles & Expo. (ICCVE 2013)*, Las Vegas, NV, USA, Dec. 2 - 6, 2013.
- [C24] B. Liu, E. Blasch, **Y. Chen**, D. Shen, and G. Chen, "Scalable Sentiment Classification for Big Data Analysis Using Naive Bayes Classifier," *Workshop on Scalable Machine Learning: Theory and Applications, in conjunction with the 2013 IEEE International Conference on Big Data (IEEE Big Data 2013)*, Santa Clara, CA, USA, October 6-9, 2013.
- [C25] Q. Gui, B. Liu, X. Wang, Z. Jin, and **Y. Chen**, “Finding Needles in a Haystack: Reducing False Alarm Rate Using Telemedicine Mobile Cloud,” *the First Workshop on Mobile Cloud Computing in Healthcare (WMCCH), held in conjunction with IEEE International Conference on Healthcare Informatics (ICHI 2013)*, Philadelphia, USA, Sept. 9-11, 2013.
- [C26] B. Liu, **Y. Chen**, D. Shen, G. Chen, E. Blasch, and Khanh Pham, "A Holistic Cloud-Enabled Robotics System for Real-Time Video Tracking Application," *the International Workshop on Cloud Enhanced Information Fusion (CloudFusion 2013), in conjunction with 8th FutureTech Conference*, Gwangju, Korea, September 4-6, 2013.
- [C27] Z. Birnbaum, B. Liu, A. Dolgikh, **Y. Chen**, and V. Skormin, " Cloud Security Auditing based on Behavioral Modeling," *the IEEE 2013 First International Workshop on Cloud Security Auditing (CSAW)*, Santa Clara, CA, USA, June 27 - July 2, 2013.
- [C28] A. Dolgikh, Z. Birnbaum, **Y. Chen**, and V. Skormin, “Behavioral Modeling for Suspicious Process Detection in Cloud Computing Environments,” *the 2013 International Workshop on Mobile Cloud Computing: Data, Management & Security (mCloud)*, in conjunction with *the 14th IEEE International Conference on Mobile Data Management (IEEE MDM 2013)*, Milan, Italy, June 3 – 6, 2013.
- [C29] B. Liu, **Y. Chen**, D. Shen, G. Chen, K. Pham, and E. Blasch, “A Cloud-based Space Situational

Awareness: Initial Design and Evaluation,” the *2013 SPIE Defense, Security, and Sensing (DSS)*, Baltimore, Maryland, USA, April 29 – May 3, 2013.

- [C30] H. Chen, **Y. Chen**, D. H. Summerville, and Z. Su, "An Optimized Design of Reconfigurable PSD Accelerator for Online Shrew DDoS Attacks Detection," *the 32nd IEEE International Conference on Computer Communications (INFOCOM 2013)*, Turin, Italy, April 14 - 19, 2013.
- [C31] X. Wang, Q. Gui, B. Liu, **Y. Chen**, and Z. Jin, "Leveraging Mobile Cloud for Telemedicine: A Performance Study in Medical Monitoring," *the 39th Annual Northeast Bioengineering Conference*, Syracuse, NY, April 5 - 7, 2013.
- [C32] R. I. Ledesma Goyzueta and **Y. Chen**, "A Deterministic Loss Model based Analysis of CUBIC," *the International Conference on Computing, Networking and Communications, Communication QoS and System Modeling Symposium (ICNC'13 - CQSM)*, San Diego, CA, USA, January 28 - 31, 2013.
- [C33] B. Kerrigan and **Y. Chen**, "A Study of Entropy Sources in Cloud Computers: Random Number Generation on Cloud Hosts," *the 6th International Conference on Mathematical Methods, Models, and Architecture for Computer Network Security (MMM-ACNS-2012)*, St. Petersburg, Russia, October 17-20, 2012.
- [C34] J. Feng, **Y. Chen**, D. Summerville, and Z. Su, "An Extension of RDP Code with Parallel Decoding Procedure," *the 9th IEEE Consumer Communications and Networking Conference (CCNC 2012)*, Las Vegas, NV, USA, Jan. 14 - 17, 2012.
- [C35] Z. Su, P. Ren, and **Y. Chen** "Consistency Control to Manage Dynamic Contents over Vehicular Communication Networks," *the IEEE GlobeCom 2011- Communications QoS. Reliability, and Modeling Symposium*, Huston, Texas, USA, Dec. 5 - 9, 2011.
- [C36] M. Xiang, **Y. Chen**, W.-S. Ku, and Z. Su, "Mitigating DDoS Attacks using Protection Nodes in Mobile Ad hoc Networks," *the IEEE GlobeCom 2011- Communication & System Security Symposium*, Huston, Texas, USA, Dec. 5 - 9, 2011.
- [C37] S. Mazur, E. Blasch, **Y. Chen**, and V. Skormin, "Mitigating Cloud Computing Security using a Self-Monitoring Defense Scheme," *the 2011 National Aerospace & Electronics Conference (NAECON'11)*, Dayton, OH., USA, July 20 - 22, 2011.
- [C38] J. Feng, **Y. Chen**, and D. Summerville, "A Fair Multi-Party Non-Repudiation Scheme for Storage Clouds," *the 2011 International Conference on Collaboration Technologies and Systems (CTS 2011)*, Philadelphia, PA., USA, May 23 - 27, 2011.
- [C39] **Y. Chen**, C. Twigg, O. Sadik, and S. Tong, "A Self-Powered Adaptive Wireless Sensor Network for Wastewater Treatment Plants", *the 9th Annual IEEE Conference on Pervasive Computing and Communications (PerCom'2011)*, Seattle, USA, March 21 - 25, 2011.
- [C40] J. Feng, **Y. Chen**, D. Summerville, W.-S. Ku, and Z. Su, "Enhancing Cloud Storage Security against Roll-back Attacks with a New Fair Multi-Party Non-Repudiation Protocol", *the 8th IEEE Consumer Communications and Networking Conference - Security for CE Communications (CCNC'11)*, Las Vegas, Nevada, USA, January 9 - 12, 2011.
- [C41] **Y. Chen**, C.-J. Wang, W.-S. Ku, and Z. Su, "A Location Aware Virtual Infrastructure for VANETs", *the 8th IEEE Consumer Communications and Networking Conference - Security for CE Communications (CCNC'11)*, Las Vegas, Nevada, USA, January 9 - 12, 2011.
- [C42] H. Chen and **Y. Chen**, "A Comparison Study of Collaborative Strategies for Distributed Defense against Internet Worms based on Small-World Modeling," *the 6th International Conference on*

Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2010), Chicago, Illinois, USA, Oct. 9 – 12, 2010.

- [C43] J. Feng, **Y. Chen**, W.-S. Ku, and P. Liu, "Analysis of Integrity Vulnerabilities and a Non-repudiation Protocol for Cloud Data Storage Platforms," *the 2nd International Workshop on Security in Cloud Computing (SCC 2010), held in conjunction with the 39th International Conference on Parallel Processing (ICPP 2010)*, San Diego, California, USA, Sept. 13, 2010.
- [C44] J. Feng, **Y. Chen**, W.-S. Ku, and Z. Su, "D-DOG: Securing Sensitive Data in Distributed Storage Space by Data Division and Out-of-order keystream Generation", *the 2010 IEEE International Conference on Communications - Communication and Information System Security Symposium (ICC'10 CISS)*, Cape Town, South Africa, May 23 - 27, 2010.
- [C45] J. Feng, **Y. Chen**, D. Summerville, "EEO: an Efficient MDS-like RAID-6 Code for Parallel Implementation," *the 33rd IEEE Sarnoff Symposium*, Princeton, NJ, USA, Apr. 12-14, 2010.
- [C46] P. Gasti and **Y. Chen**, "Breaking and Fixing the Self-Encryption Scheme for Data Security in Mobile Devices", *the 18th Euromicro International Conference on Parallel, Distributed and network-based Processing (PDP 2010) – Special Session "Security in Networked and Distributed Systems"* (SNDS 2010), Pisa, Italy, February 17 - 19, 2010.
- [C47] J. Feng, **Y. Chen** and P. Liu, "Bridging the Missing Link of Cloud Data Storage Security in AWS", *the 7th IEEE Consumer Communications and Networking Conference - Security for CE Communications (CCNC'10)*, Las Vegas, Nevada, USA, January 9 - 12, 2010.
- [C48] **Y. Chen** W.-S. Ku, K. Sakai, and C. DeCruze, "A Novel DDoS Attack Defending Framework with Minimized Bilateral Damages", *the 7th IEEE Consumer Communications and Networking Conference - Security for CE Communications (CCNC'10)*, Las Vegas, Nevada, USA, January 9 - 12, 2010.
- [C49] H. Chen, D. Summerville, and **Y. Chen**, "Two-Stage Decomposition of SNORT Rules towards Efficient Hardware Implementation," *the 7th International Workshop on Design of Reliable Communication Networks (DRCN 2009)*, Washington, D.C., USA, October 25 – 28, 2009.
- [C50] Z. Su, Z. Zhang, and **Y. Chen**, "Performance Evaluation of a Novel Caching Algorithm for Scalable Image Contents," *the 2nd International Symposium on Intelligent Informatics (ISII 2009)*, Qinhuaungdao, China, September 13 – 15, 2009.
- [C51] I. M. Atakli, **Y. Chen**, Q. Wu, and S. Craver, "BLINK: Pixel-Domain Encryption for Secure Document Management", *the 11th ACM Workshop on Multimedia and Security (MMSEC 2009)*, Princeton, New Jersey, USA, September 7 - 8, 2009.
- [C52] **Y. Chen** and W.-S. Ku, "Self-Encryption Scheme for Data Security in Mobile Devices", *the 6th IEEE Consumer Communications and Networking Conference - Security for CE Communications (CCNC'09)*, Las Vegas, Nevada, USA, January 10 - 13, 2009.
- [C53] S. Craver, **Y. Chen**, H. Chen, J. Yu, and I. M. Atakli, "BLINK: Securing Information to the Last Connection", *the 6th IEEE Consumer Communications and Networking Conference (CCNC'09)*, Las Vegas, Nevada, USA, January 10 - 13, 2009.
- [C54] Z. Su, J. Katto, Y. Yasuda, and **Y. Chen**, "Consistency Control for Dynamic Contents in Mobile Overlay Network," *the 3rd International Conference on Communications and Networking in China (ChinaCom'08)*, Hangzhou, China, August 25 – 27, 2008. [**Best Paper Award**]
- [C55] Z. Su, Z. Zhang, and **Y. Chen**, "Retrieve Scalable Image Contents over Image Contents Network by Efficient Caching Algorithms," *the 3rd International Conference of Innovative Computing*,

Information and Control (ICICIC 2008), Dalian, China, June 18 – 20, 2008.

- [C56] H. Chen and **Y. Chen**, “A Novel Embedded Accelerator for Online Detection of Shrew DDoS Attacks,” *the 2008 IEEE International Conference on Networking, Architecture, and Storage* (NAS’08), Chongqing, China, June 12 – 14, 2008.
- [C57] **Y. Chen**, J. Bao, W.-S. Ku, and J.-L. Huang, “Cache Management Techniques for Privacy Protected Location-based Services,” *the 2nd International Workshop on Privacy-Aware Location-based Mobile Services* (PALMS’08), in conjunction with *the 9th International Conference on Mobile Data Management* (MDM’08), Beijing, China, April 27, 2008.
- [C58] I. Atakli, H. Hu, **Y. Chen**, W.-S. Ku, and Z. Su, “Malicious Node Detection in Wireless Sensor Networks using Weighted Trust Evaluation,” invited paper, *the ACM/SIGSIM Symposium on Simulation of System Security* (SSSS’08), Ottawa, Canada, April 14 – 17, 2008.
- [C59] **Y. Chen**, “NeuroNet: Towards an Intelligent Internet Infrastructure”, *the 5th IEEE Consumer Communications and Networking Conference* (CCNC’08), Las Vegas, Nevada, USA, January 10 - 12, 2008.
- [C60] **Y. Chen**, K. Hwang, and W.-S. Ku, “Distributed Change-Point Detection of DDoS Attacks: Experimental Results on DETER Testbed”, *DETER Community Workshop on Cyber Security Experimentation and Test*, in conjunction with *USENIX Security Symposium* (Security’07), Boston, MA., USA, August 6-7, 2007.
- [C61] **Y. Chen** and K. Hwang, “Spectral Analysis of TCP Flows for Defense against Reduction-of-Quality Attacks,” *the 2007 IEEE International Conference on Communications* (ICC’07), Glasgow, Scotland, June 24-28, 2007.
- [C62] **Y. Chen** and K. Hwang, “Collaborative Change Detection of DDoS Attacks on Community and ISP Networks,” *the 2006 IEEE International Symposium on Collaborative Technologies and Systems* (CTS’06), Las Vegas, Nevada, USA, May. 15-17, 2006.
- [C63] **Y. Chen**, K. Hwang, and Y.-K. Kwok, “Filtering of Shrew DDoS Attacks in Frequency Domain,” *the First IEEE LCN Workshop on Network Security* (WoNS), in conjunction with the LCN 2005, Sydney, Australia, Nov. 15-17, 2005.
- [C64] Y.-K. Kwok, R. Tripathi, **Y. Chen**, and K. Hwang, “HAWK: Halting Anomalies with Weighted Choking to Rescue Well-Behaved TCP Sessions from Shrew DoS Attacks,” *the 2005 International Conference on Computer Networks and Mobile Computing* (ICCNMC’05), Zhangjiajie, China, Aug. 2-4, 2005.
- [C65] **Y. Chen**, Y.-K. Kwok, and K. Hwang, “MAFIC: Adaptive Packet Dropping for Cutting Malicious Flows to Push Back DDoS Attacks,” *the 2nd International Workshop on Security in Distributed Computing Systems* (SDCS’05), in conjunction with *ICDCS 2005*, Columbus, OH, USA, June 6-10, 2005.
- [C66] K. Hwang, Y.-K. Kwok, S. Song, M. Cai, **Yu Chen**, R. Zhou, Ying Chen, and X. Lou, “GridSec: Trusted Grid Computing with Security Binding and Self-Defense against Network Worms and DDoS Attacks,” in *Proceedings of International Workshop on Grid Computing Security and Resource Management* (GSRM-2005), in conjunction with the ICCS-2005, Atlanta, GA, May 22-24, 2005.
- [C67] W. Yu, X. Zhong, Z. Wu, and **Y. Chen**, “Analysis of Dual-Frequency MEMS Antenna Using H-MRTD Method,” *International Symposium on Optical Science and Technology, SPIE 49th Annual Meeting*, Denver, USA, August 2-6, 2004.

- [C68] Z. Wu, X. Zhong, W. Yu, and **Y. Chen**, “Simulation of Photonic Crystals Antenna Using ADI-FDTD Method,” *International Symposium on Optical Science and Technology, SPIE 49th Annual Meeting*, Denver, USA, August 2-6, 2004.
- [C69] **Y. Chen**, X. Zhong, K. Li, and S. Xiao, “A MEMS CAD System Based on CORBA,” *International Symposium on Smart Structures and Microsystems (IS³M 2000)*, Hong Kong, October 19-21, 2000.
- [C70] K. Li, X. Zhong, and **Y. Chen**, “Design for Micro Diffractive Lens for Imaging,” *International Symposium on Smart Structures and Microsystems (IS³M 2000)*, Hong Kong, October 19-21, 2000.
- [C71] K. Li, X. Zhong, and **Y. Chen**, “Compensation Network for Multiple Intensity Modulated Optical Fiber Sensors,” *International Conference on Sensors and Control Techniques (ICSC 2000)*, Wuhan, China, May 2000.

Selected Other Publications

- [1] A. A. Cardenas, **Y. Chen**, A. Fuchs, W. Van Ginkel, D. Hiestand, S. Jani, A. Lane, R. Lu, P. K. Manadhata, J. Molina, P. Murthy, A. Roy, S. Sathyadevan, P. S. Subrahmanyam, and N. Sundaresan, “Big Data Security and Privacy Handbook: 100 Best Practices in Big Data Security and Privacy,” *Cloud Security Alliance (CSA)*, Aug. 2016, edited by D. Mashima and S. P. Rajan, available at <https://cloudsecurityalliance.org/download/big-data-security-and-privacy-handbook/>.
- [2] A. Bardhan, **Y. Chen**, A. Fuchs, A. Kapre, A. Lane, R. Lu, P. Manadhata, J. Molina, A. C. Mora, P. Murthy, A. Roy, S. Sathyadevan, and N. Shah, “Top Ten Big Data Security and Privacy Challenges,” *Cloud Security Alliance (CSA) Annual Congress 2012*, Orlando, FL, USA, Nov. 7, 2012, organized by S. P. Rajan, W. van Ginkel, and N. Sundaresan, available at <https://cloudsecurityalliance.org/download/expanded-top-ten-big-data-security-and-privacy-challenges/>.
- [3] **Y. Chen**, X. Zhong, and K. Li, “A Distributed MEMS CAD Based on 3-Tier Structure”, *Micro-Nanometer Science & Technology (in Chinese)*, Vol. 5, No.1, 2000, pp78-81.
- [4] **Y. Chen**, C. Wang, and Q. Ye, “Implementation of Three-Tier Structure In A Distributed MEMS CAD System”, *Journal of Chongqing University of Post and Telecommunication (in Chinese)*, No.3, September, 2000, pp1-5.
- [5] **Y. Chen**, X. Zhong, and K. Li, “Research Achievement of MEMS CAD”, *Optics and Precision Engineering (in Chinese)*, Vol.17, No.6, 1999, pp1-5.
- [6] **Y. Chen**, X. Zhong, D. Xu, K. Li, and S. Xiao, “Micromechanical Array Filter”, *Chinese Journal of Scientific Instrument (in Chinese)*, Vol.20, No.4, 1999, pp200-203.
- [7] K. Li, X. Zhong, and **Y. Chen**, “Status of Microsystem Technology in Blood Cell Detection and its Perspective”, *Chinese Journal of Scientific Instrument (in Chinese)*, Vol.20, No.4, 1999, pp176-179.
- [8] S. Xiao, X. Zhong, **Y. Chen**, and X. Miu, “Study on an Image Measurement for Irregular Rotary Objects”, *Optics and Precision Engineering (in Chinese)*, Vol.15, No.4, 1997, pp99-103.
- [9] L. Li, X. Zhong, and **Y. Chen**, “Non-Contact Detection Techniques of 3D Curve Profile”, *Practical Measurement Technology (in Chinese)*, No.1, 1996, pp22-24;
- [10] G. Liu, X. Zhong, K. Li, and **Y. Chen**, “Characteristic Study of Light Intensity Modulation Methods for Fiberoptic Vibration Sensor with Cantilever”, *Journal of Transducer Technology (in*

Chinese), No.3, 1995, pp20-23.

Invited Talks

- [T1] "Quickest Online Distributed Disturbance Allocation for Large Scale Power Grid," *Clarkson University*, Potsdam, NY, Nov. 11, 2015.
- [T2] "Mission-Critical Urban Surveillance: the Way is in Fog, not in Cloud," *Auburn University*, Auburn, AL, Nov. 09, 2015.
- [T3] "Real-Time WAMI/FMV/Text Information Fusion using a Container-based Virtualization Elastic Cloud," *the 2014 AFRL CyberBAT/VFRP Technical Exchange Meeting (TEM)*, Rome, NY, July 14, 2014.
- [T4] "An Optimized Design of Reconfigurable PSD Accelerator for Online Shrew DDoS Attacks Detection," *Chongqing University*, China, June 24, 2014.
- [T5] "Information Fusion in Cloud Computing Era: A Systems-Level Perspective," *the AFRL/RIEA Alford Lecture Series Opportunities (ALSO)*, Rome, NY, July 25, 2013.
- [T6] "A Remote Trustworthy Attestation Scheme for Mobile Cloud Auditing Data Distribution," *the 2013 AFRL CyberBAT/VFRP Technical Interchanging Meeting (TIM)*, Rome, NY, July 15-18, 2013.
- [T7] "In Introduction to Moving-Target Defense for Cloud Systems," *the CoCo Seminar Series*, Binghamton University, November 7, 2012.
- [T8] "A Fair Non-Repudiation Framework for Data Integrity in Cloud Storage Services," *the AFCEA Cyber and Information Challenges Conference*, Marcy, NY, USA., June 12-14, 2012.
- [T9] "A Fair Non-Repudiation Framework for Cloud Storage," *the 11th Emerging Information and Technology Conference (EITC 2011)*, Chicago, Illinois, USA., July 28-29, 2011.
- [T10] "Analysis of Integrity Vulnerabilities and a Non-repudiation Framework for Storage Cloud," Temple University, Philadelphia, PA., August 2010.
- [T11] Regional Symposium on Graduate Education and Research in Information Security (GERIS'09), Binghamton, NY, October 2009.
- [T12] SUNY-Binghamton CoCo Technical Seminar, March 2009.

PATENTS

- [PI] U. S. Patent No. US 8,862,900; issued Oct. 14, 2014; title: *Secure Distributed Storage System and Method* (Binghamton NTD 338 for, ODD: Protecting Sensitive Data in Mobile Devices by Out-of-order Data Division);
- [PII] U. S. Patent No. US 8,595,606; issued Nov. 12, 2013; title: *Extended Row Diagonal Parity with Optimal Decoding Procedure*; co-inventor: Jun Feng (Binghamton NTD 350 for, An Extension of RDP Code with Optimal Decoding Procedure);
- [PIII] U. S. Patent No. US 8,522,125; issued Aug. 27, 2013; title: *System and method for efficient horizontal maximum distance separable RAID*; co-inventor: Jun Feng (Binghamton NTD 348 for, EEO: an Efficient MDS-like RAID-6 Code for Parallel Implementation);

PROFESSIONAL ACTIVITIES

Off-Campus Services

Chair, IEEE Computer Society, Binghamton Chapter, 2012 ~ 2013.

Secretary, IEEE Communication Society, Binghamton Chapter, 2012 ~ 2013.

Vice Chair, IEEE Communication Society, Binghamton Chapter, 2009 ~ 2011.

On Campus Services

The Library Committee, Watson School of Engineering, Since Fall 2008.

The Graduate Study Committee, Dept. of ECE, Since Fall 2008.

Journal Editorial Board Memberships:

- [E1] Associate Editor, the International Journal of Intelligent Information Processing (IJIP)
- [E2] Associate Editorial, the FTRA Journal of Convergence (JoC), 2013 ~
- [E3] Editorial Board Member, the Journal of Platform Technology (JPT), 2013 ~
- [E4] Editorial Board Member, the Journal of Multimedia Information Systems, 2013 ~
- [E5] Editorial Board Member, the International Journal of Computer Networks (IJCN)
- [E6] Editorial Board Member, the FTRA Journal of Convergence (JoC), 2012
- [E7] Guest Editor, Electronics, Special Issue on Big Data: Hardware, Software, Analytics and Visualization
- [E8] Guest Editor, the International Journal of New Review of Hypermedia and Multimedia, Special Issue on Human-centric Information Technology and Application toward Web 3.0, 2015.
- [E9] Editorial Board Member, the International Journal of Adaptive and Innovative Systems (IJASIS), 2011 ~ 2012.
- [E10] Guest Editor, the International Journal of Cloud Computing, Special Issue on Information Assurance and System Security in Cloud Computing, 2012.
- [E11] Guest Editor, Peer-to-Peer Networking and Applications, Special Issue on Cloud, Grid, P2P and Internet Computing, 2012.
- [E12] Guest Editor, Special Issue in Information Journal, 2012.
- [E13] Guest Editor, Peer-to-Peer Networking and Applications, Special Issue on New Technologies and Research Trends in Ubiquitous Sensor Network and P2P Social Network Services, 2012.
- [E14] Guest Editorial Board Member, Journal of Universal Computer Science, Special Issue on Data Security and Privacy Protection in Pervasive Computing Environments, 2008

Conference/Workshop Organizer:

- [O1] The ACM Conference on Computer and Communications Security (CCS 2015).
- [O2] The 2015 Global Conference on Information Technology, Computing, and Applications (GlobalIT 2015), Las Vegas, USA, January 12 – 14, 2015.
- [O3] The 2nd International Workshop on Advanced Technologies of Cloud Computing (WATCC'2014), Minneapolis, MN, USA, September 9-12, 2014.
- [O4] The 2013 International Workshop on Cloud Enhanced Information Fusion (CloudFusion'2013),

- Gwangju, Korea, September 4-6, 2013.
- [O5] The International Workshop on Advanced Technologies of Cloud Computing (WATCC'2013), Lyon, France, October 04, 2013.
 - [O6] The 8th FTRA International Conference on Future Information Technology (FutureTech 2013), Gwangju, Korea, September 4-6, 2013.
 - [O7] The 4th International Workshop on Security in Cloud Computing (CloudSec'2012), Pittsburgh, PA. USA, September 12, 2012.
 - [O8] The 9th IFIP International Conference on Network and Parallel Computing (NPC 2012), Gwangju, Korea, Sept. 6-8, 2012.
 - [O9] The 2012 FTRA International Conference on Mobile, Ubiquitous and Intelligent Computing (MUSIC 2012), Vancouver, Canada, June 26 – 28, 2012.
 - [O10] The 3rd International Workshop on Security in Cloud Computing (CloudSec'2011), Taipei, Taiwan, September, 2011.
 - [O11] The 2nd International Workshop on Security in Cloud Computing (SCC'2010), San Diego, California, USA, Sept. 2010.
 - [O12] The 2009 International Workshop on Security in Cloud Computing (SCC'09), Chengdu, China, Dec. 2009.
 - [O13] The 2009 International Workshop on Secure Multimedia Communication and Services (SECMCS'09), Wuhan, China, Nov. 2009.
 - [O14] The 2009 International Conference on Multimedia Information Networking and Security (MINES 2009), Wuhan, China, Nov. 2009.
 - [O15] ChinaCom'08 Workshop on MULTimedia Security In Communications (MUSIC'08), Hangzhou, China, Aug. 2008.

Conference Chairs:

- [H1] Session Chair, SPIE DSS 2016
- [H2] Program Co-Chair, FutureTech 2016
- [H3] Session Chair, IPCC 2015
- [H4] Track Co-Chair, ICA3PP 2015
- [H5] Program Co-Chair, CSA-14
- [H6] Publicity Co-Chair, FutureTech 2014
- [H7] Program Vice Co-Chair, IEEE/IFIP EUC 2013, Reconfigurable Computing Systems and Applications Track
- [H8] General Co-Chair, CloudFusion'2013
- [H9] General Co-Chair, WATCC-2013
- [H10] Workshop Co-Chair, FutureTech-2013
- [H11] Program Co-Chair, WTA'2012
- [H12] TPC Chair, CloudSec'2012.
- [H13] Program Co-Chair, NPC-2012
- [H14] Program Chair, MUSIC 2012
- [H15] TPC Chair, CloudSec'2011.

- [H16] Publicity Chair, F2GC 2010, F2GC 2011.
- [H17] Session Chair, IEEE CCNC 2008, 2009, 2010, 2011, 2012
- [H18] Session Chair, IEEE GlobeCom 2011
- [H19] TPC Chair, SCC'2010.
- [H20] Symposium Co-Chair, IEEE WCNIS2010 "Communication and Information Security Symposium".
- [H21] Publicity Chair, MINES'2010.
- [H22] General Chair, SCC'09.
- [H23] Publicity Chair, SECMCS'09.
- [H24] Publicity Chair, MINES'09.
- [H25] TPC Chair, MUSIC'08.
- [H26] Session Chair, IEEE NAS'08
- [H27] Session Chair, SCS & ACM/SIGSIM SSSS'08

Conference Technical Program Committee (TPC):

- [M1] IEEE INFOCOM 2016, 2017
- [M2] IEEE International Conference on Communications (ICC)
 - Communication and Information Systems Security Symposium (CISS, 2009 ~ 2016)
 - Mobile and Wireless Networks Symposium (MWN, 2014 ~ 2017)
 - Wireless Networks Symposium (WN, 2008 ~ 2013)
 - Ad-hoc and Sensor Networking Symposium (AHSN, 2012 ~ 2017)
- [M3] IEEE Global Communications Conference (GLOBECOM)
 - Communication & Information System Security Symposium (CISS, 2008 ~ 2014)
 - Communications Software, Services, and Multimedia Apps (CSSMA 2016)
 - Ad-hoc and Sensor Networking Symposium (AHSN, 2010 ~ 2016)
 - Wireless Networking Symposium (WN, 2011 ~ 2016)
 - Cognitive Radio and Network Symposium (CogRN 2013, 2014)
- [M4] The IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2010 ~ 2016)
- [M5] The IFIP International Conference on New Technologies, Mobility and Security (NTMS, 2008 ~ 2016)
- [M6] The IEEE International Conference on Big Data and Cloud Computing (IEEE BDCloud 2014 ~ 2016)
- [M7] IEEE INFOCOM Workshop on Mobile Cloud Computing, 2014, 2015
- [M8] IEEE INFOCOM Workshop on Integrating Edge Computing, Caching, and Offloading in Next Generation Networks (IECCO), 2017
- [M9] The IEEE International Performance Computing and Communications Conference (IPCCC 2015, 2016)
- [M10] The 14th International Symposium on Pervasive Systems, Algorithms, and Networks (I-SPAN 2017)
- [M11] SPIE Sensors and Systems for Space Applications X, 2017
- [M12] The Twelfth International Conference on Wireless and Mobile Communications (ICWMC 2016)

- [M13] The International Conference on Computing, Networking and Communications
 - Cloud Computing and Networking Symposium (CLD 2012)
 - Communications and Information Security Symposium (CIS 2012)
- [M14] The 10th IEEE International Conference on Mobile Ad-hoc and Sensor Systems (IEEE MASS 2013)
- [M15] The IEEE International Conference on Advanced Information Networking and Applications (AINA-2012, 2013), Track 10 (Multimedia and Social Networking)
- [M16] The IEEE Asia Pacific Cloud Computing Congress 2012 (AP-Cloud)
- [M17] The 11th International Wireless Communications & Mobile Computing Conference (IWCMC 2015), Wireless Networking Symposium
- [M18] The 2014 International Conference on Internet of Vehicles (IOV 2014)
- [M19] The International Conference on Risks and Security of Internet and Systems (CriSIS 2014 ~ 2016)
- [M20] The IEEE International Conference on Computer Communication Networks (ICCCN)
 - Track on Multimedia and Real-Time Networking (MRN): 2014, 2016
 - Track on Security, Privacy and Trust (SPT): 2013, 2015
- [M21] The ACM/SIGSIM/SCS Annual Simulation Symposium (ANSS, 2009 ~ 2012)
- [M22] IEEE International Wireless Communications and Mobile Computing Conference
 - Computer and Network Security Symposium (CNS), 2008
 - Wireless Network Symposium (WNS), 2014
- [M23] The IEEE/IFIP International Symposium on Trusted Computing and Communications (TrustCom 2009 ~ 2015)
- [M24] The IEEE International Conference on High Performance Computing and Communications (HPCC'2010, 2014)
- [M25] The IEEE Consumer Communications and Networking Conference (CCNC 2008, 2009, 2010, 2011, 2012)
- [M26] The Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2011, 2012)
- [M27] The IEEE International Workshop on Cloud Security Auditing (CSAW 2013, 2014)
- [M28] IEEE Wireless Communications & Networking Conference (WCNC 06, 07, 08, 14, 15)
- [M29] The ACM/IEEE/IFAC/TRB International Conference on Connected Vehicles (ICCVE 2012, 2013, 2014, 2015)
- [M30] The International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2016, 2017)
- [M31] The IEEE 8th International Symposium on Embedded Multicore/Many-core System-on-Chip (MCSoc-14)
- [M32] The 2014 International Conference on Platform Technology and Service (PlatCon 14)
- [M33] The International Conference on Selected Topics in Mobile & Wireless Networking (iCOST, 2011, 2012)
- [M34] The First IEEE International Conference on Communications in China: Communications QoS and Reliability (ICCC'12 - CQR)
- [M35] International Conference on Cloud and Green Computing (CGC 2011, 2012)
- [M36] The International workshop on Data Center Performance (DCPerf 2011 ~ 2013)
- [M37] The 1st International Workshop on Enterprise Cloud Computing: Solutions and Strategies

- (ECCSS 2012)
- [M38] The International Conference on Security in Computer Networks and Distributed Systems (SNDS-2012)
 - [M39] The IEEE International Workshop on Wireless and Sensor Network Security (WSNS, 2008 ~ 2011)
 - [M40] The 2012 International Workshop on Mobile Cloud and Ubiquitous Computing (Mobi-Cloud 2012)
 - [M41] The IEEE International Conference on Utility and Cloud Computing (UCC 2010, 2011)
 - [M42] The 3rd IEEE International Symposium on UbiSafe Computing (UbiSafe 2011)
 - [M43] The International Conference on Computing, Networking and Communications, (ICNC – ISA 2013, 2014, 2015, MCC 2015).
 - [M44] The FTRA International Symposium on Advances in Cryptography, Security and Applications for Future Computing (ACSA 2009 ~ 2012)
 - [M45] The 2012 International Conference on Wireless Communications & Signal Processing, Wireless Networking Symposium (WCSP 2012 - WNS)
 - [M46] The First IEEE International Conference on Communications in China: Wireless Networking and Applications (ICCC'12 - WNA)
 - [M47] The International Conference on Frontier of Computer Science and technology (FCST 2009, 2011, 2012)
 - [M48] The IEEE Workshop on Grid and P2P Systems and Applications (ICCCN GridPeer 2009, 2010, 2011)
 - [M49] The International Workshop on Sustainable High Performance Cloud Computing (SHPCC 2011, SHPCloud-2012)
 - [M50] The Annual International Conference on Mobile Communications, Networking and Applications 2011 (MobiCONA 2011)
 - [M51] The 9th ACS/IEEE International Conference on Computer Systems and Applications (ICCSA 2011)
 - [M52] The 14th IEEE International Conference on Computational Science (CSE 2011)
 - [M53] The International Conference on Communications and Mobile Computing (CMC 2009, 2010, 2011)
 - [M54] The 2011 International Conference on Cloud and Service Computing (CSC2011)
 - [M55] The International Workshop on Secure Multimedia Communication and Services (SECMCS 2009, 2010, 2011)
 - [M56] The 2011 International Workshop on Computing and Communications (CC-11)
 - [M57] The International Conference and workshop on Current Trends in Information Technology (CTIT 2009, 2011)
 - [M58] the 6th International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2010)
 - [M59] The 4th International Workshop on Localized Algorithms and Protocols for Wireless Sensor Networks (LOCALGOS 2010)
 - [M60] CHINACOM Wireless Communications and Networking Symposium (CHINACOM WCN 2009, 2010)
 - [M61] The 7th European Conference on Wireless Sensor Networks (EWSN 2010)
 - [M62] The 2nd IEEE International Workshop on Information and Data Assurance (WIDA'09)

- [M63] The IEEE International Workshop on Security and Privacy in Wireless and Mobile Computing, Networking and Communications (SecPri_WiMob 2008, 2009)
- [M64] IEEE Workshop on Web Privacy and Trust (held with IEEE/WIC/ACM International Conference on Web Intelligence, 2009)
- [M65] The 4th International Symposium on Information Security (OTM IS 2009)
- [M66] The Workshop on Advanced Wireless Broadband Networks (AWBN'09), held in conjunction with MobiQuitous'09.
- [M67] The International Conference on Security and Cryptography (SECRYPT 2009)
- [M68] The 3rd International Workshop on Privacy-Aware Location-based Mobile Services (PALMS'09)
- [M69] The 2009 SCS Symposium on Simulation of System Security (SSSS'09)
- [M70] The 1st International Conference on Network and Service Security (N2S 2009)
- [M71] Workshop on Radio Resource Management in Wireless Mesh Networks 2008 (RRMinMesh'08)

Invited Reviewer:

- [R1] IEEE Transactions on Information Forensics and Security
- [R2] IEEE Transactions on Computers
- [R3] IEEE Transactions on Wireless Communications
- [R4] IEEE Transactions on Network and Service Management
- [R5] IEEE Transactions on Parallel and Distributed Systems
- [R6] IEEE Transactions on Mobile Computing
- [R7] IEEE Wireless Communications Magazine
- [R8] IEEE Communications Letters
- [R9] ACM Transactions on Sensor Networks
- [R10] ACM/Springer Wireless Network Journal (WINET)
- [R11] International Journal of Parallel and Distributed Computing, Elsevier
- [R12] International Journal of Network and Computer Applications, Elsevier
- [R13] International Journal of Applied Soft Computing, Elsevier
- [R14] International Journal of Computer Communications, Elsevier
- [R15] International Journal of Grid Computing: Theory, Methods and Applications, Elsevier
- [R16] International Journal of Pervasive and Mobile Computing, Elsevier
- [R17] International Journal of Ad Hoc Networks, Elsevier
- [R18] International Journal of Future Generation Computer Systems, Elsevier
- [R19] International Journal of Computers & Electrical Engineering, Elsevier
- [R20] International Journal of Information Security, Springer
- [R21] International Journal of Wireless Communications and Mobile Computing, Wiley
- [R22] International Journal of Security and Communication Networks, Wiley.
- [R23] International Journal of Software: Practice and Experience.

- [R24] International Journal of Information and Computer Security.
- [R25] International Journal of Information, Intelligence and Knowledge
- [R26] International Journal of Open Problems in Computer Science and Mathematics
- [R27] International Journal of Universal Computer Science
- [R28] EURASIP Journal on Advances in Signal Processing
- [R29] EURASIP Journal on Information Security
- [R30] Electronics and Telecommunications Research Institute Journal (ETRI)
- [R31] Scientific Journals International (SJI)
- [R32] Book chapter review: Encyclopedia of Data Warehousing and Mining, 2nd Ed., (2007)
- [R33] European Conference on Complex Systems 2009 (ECCS'09)
- [R34] IEEE 28th International Conference on Distributed Computing Systems, 2008 (ICDCS'08)
- [R35] IEEE 14th International Symposium on High-Performance Computer Architecture, 2008 (HPCA'08)
- [R36] IEEE International Conference on Communications, Computer and Communication Network Security Symposium 2007, 2008 (ICC CCN '07, '08)
- [R37] The 14th Asia-Pacific Conference on Communications, 2008 (APCC'08)
- [R38] The 4th European Conference on Wireless Sensor Networks 2007 (EWSN 2007).
- [R39] The 2nd IEEE International Workshop on Security in Distributed Computing Systems (SDCS 2005).

TEACHING ACTIVITIES

Courses

EECE 658* <i>Hardware-based Security</i>	Sp'08, Sp'10, Sp'12, Sp'14
EECE 657 <i>Network Security</i>	Sp'07, Sp'09, Sp'11, Sp'13
EECE 553 <i>Computer Network Architecture</i>	Every Fall semester since 2007
EECE 352 <i>Computer Architecture</i>	Every Spring semester since 2009

Current Advising

PhD Students:	Ning Chen, Qi Dong, Thomas Gaska, Seyed Yahya Nikouei, Brandon Poland, Zekun Yang
MS Students:	Haochen Bai, Lihua Hu, Arushika Koul, Zhuli Li, Nitish Mehta, Shantanu Patel, Hao Song, Xian Wu, Ronghua Xu.
BS Students:	Daniel Muller, Dominic Schroeder, Ximeng Sun

Graduated Students

Ph.D. Dissertations:

Bingwei Liu, Fa' 2015. (**Outstanding PhD Teaching Assistant Award, ECE Dept., Spring 2013**)

* Designed, introduced, and taught by Professor Yu Chen.

“Container Cloud: Application, Modeling and Simulation”

Hao Chen, Sp’ 2015. (**Outstanding PhD Student Research Award, ECE Dept., Spring 2013**)

“A Hardware-based, Collaborative, Auto-Defensive Network Infrastructure”

Jun Feng, Fa’ 2012. (**Outstanding PhD Student Research Award, ECE Dept., Spring 2012**)

“Data Security Technologies for Robust Cloud Storage Services”

Masters (Thesis):

Qi Dong, MSEE, May 2015.

“Energy Equilibrium for Sustainable Self-Powered Wireless Sensor Networks”

Yinan Lin, MSEE, May 2015.

“A Quantitative Workload Analysis Using Google Cluster Traces”

Brendon Poland, MSEE, December 2014.

“Context Aware TCP for Enhanced Networking on Airborne Autonomous Platforms”

Yang Huang, MSEE, December 2013.

“Application of Graphic Social Network in Ancient Chinese History Research”

Brendan Kerrigan, MSEE, May 2012.

“A Study of Entropy Sources in Cloud Computers: Random Number Generation on Cloud Hosts”

Rohan Golatkar, MSEE, December 2011.

“LAVI: A Location Aware Virtual Infrastructure for Vehicle Ad hoc Networks”

Christopher Hui, MSEE, May 2011.

“An Optimal Design of Bloom Filters for Fast String Matching”

Minda Xiang, MSEE, December 2010.

“Mitigating DDoS Attacks Using Protection Nodes in Mobile Ad hoc Networks”

Masters (Project):

Hem Shah, MSEE May 2017

“Urban Traffic Surveillance: a Study on Communication Protocols”

Yang (Timothy) You, MSEE Dec. 2016

“Real-Time Vehicle Tracking using Fog Computing”

Jay Patel, MSEE Aug. 2016

“Cisco Identity Service Engine Deployment”

Kevin Babu Kasha, MSEE May 2016

“Cardiac Pacemaker Safety and Its Usage in Telemedicine”

Chris Mallison, MSEE, May 2016

“L1 Tracking on an Android Platform”

Timothy Stankevicz, MSEE, May 2016

“Simulating Cognitive Radio Networks in OMNet++”

Ravi Teja Yarakaraju (Co-Advising with Prof. Aaron Carpenter)

“FPGA Implementation of Physical Unclonable Functions (PUFs) – Butterfly PUF”

Nick Tufano, MSEE, May 2015

“IEEE 14 Bus System Simulation for Change Point Detection”

Meghana Jain, MSEE, May 2015
“Data Analytics using Principle Component Analysis”

Qi Li, MSEE, May 2015
“Email Classification as Spam Using Multinomial Naïve Bayes Classifier”

Yang Zhang, MSEE, May 2015
“Change Point Detection Application on EEG Data Final Report”

Raghavendra Vurumunder, MSEE, May 2015
“Physically Unclonable Functions based RFID IC’s”

Tianchong Li, MSEE, December 2014
“Analysis of Relationships among Ancient People in Song Dynasty using CBDB (Chinese Biographical Database)”

Curt Ryersen, MSEE, May 2014.
“Analysis and Discussion of Different Steganographic Applications in ReTA.”

Aaron Lin, MSEE, May 2014.
“Real-Time Stream Processing for Hadoop”

Daniel Fashakin, MSEE, May 2014.
“Return on Investment using CAPM Model in Hadoop”

David Arnold, MSEE, May 2014.
“Data Imputation in Patient Monitoring: an Exploration of Significance of Patient Demographics”

Hongwei Ren, MSEE, December 2013.
“Stock Returns Analysis and Prediction Based on Hadoop”

Alex Hoang, MSEE, May 2013.
“Experimental Validation of Unclonable Digital Fingerprint of Smartphones”

Tianruo Hu, MSEE, May 2013.
“A New Alternative Approach for Data Confidentiality”

Mao Lin, MSEE, May 2013.
“Power Management System for Microbial Fuel Cell”

Ken J. Chen, MSEE, December 2012.
“NS2 LAVI Implementation and Simulation.”

Eric Norris, MSEE, May 2012.
“Red Hat Enterprise Virtualization Cloud Platform”

Robert Leiss, MSEE, December 2011.
“Source Code Translation Tool: For use with the X# XML Schema Definition”

Sean Xu, MSEE, December 2011.
“A Survey of Top Cloud Computing Security Issues.”

Michael Schneberg, MSEE, May 2011.
“A Comparative Study of Grid and Cloud Simulation Software.”

Sushant Agrawal, MSEE, May 2011.
“Security in Routing Protocols in Mobile Ad Hoc Networks.”

Ziyad Rouhana, MSEE, May 2011.
“Computer Architecture Course Project Development.”

Jim Mash, MSEE, December 2010.
“A Study and Evaluation of Cloud Simulation Tools.”

Krunal G. Shah, MSEE, Aug. 2010.
“Threats and Security Issues in Cloud Computing.”

Prerna Lele, MSEE, Aug. 2010.
“DDOS Attack generation and analysis.”

Jonah Roth, MEng, may 2009.
“Experimental Study of Malicious Nodes Detection in Wireless Sensor Networks.”

Bharti Dadhich, MSEE, Dec. 2008.
“Wireless Sensor Networks – Experiment, Study, and Simulation.”

Undergraduate Research Associate:

Anna Deng, BSEE, May 2016

Ryan Wu, BSEE, May 2015

Ari Hadkis, BSEE December 2014

Advising Board Services

PhD Dissertation Committee Served On:

Current:

Gao, Yang	(ECE dept. Binghamton Univ.)
Wang, Wei	(ECE dept. Binghamton Univ.)
Zhuo, Gaoqiang	(ECE dept. Binghamton Univ.)
Jia, Qi	(ECE dept. Binghamton Univ.)
Pintong, Kevin	(ECE dept. Binghamton Univ.)
Schmidt, Jeff	(SSIE dept. Binghamton Univ., extern member)
Li, Borui	(ECE dept. Binghamton Univ.)
Yang, Wei	(ECE dept. Binghamton Univ.)
Wang, Xiaoliang	(ECE dept. Binghamton Univ.)
Gui, Qiong	(ECE dept. Binghamton Univ.)
Bhowmik, Rajdeep	(CS dept. Binghamton Univ., extern member)
Nykodym, Thomas	(ECE dept. Binghamton Univ.)
Sabbah, Eric	(CS dept. Binghamton Univ., extern member)
Sieffert, Michael	(ECE dept. Binghamton Univ.)
Ge, Yang	(ECE dept. Binghamton Univ.)

Completed:

Li, Ning (Economics Dept. Binghamton Univ. extern member, Fa'2016)

Liu, Qianqian (ME Dept. Binghamton Univ. extern member, Fa'2016)
 Koken, Pakayse (SSIE Dept. Binghamton Univ., extern member, Fa'2016)
 Khanmohammadi, Sina (SSIE Dept. Binghamton Univ., extern member, Fa'2016)
 Shan, Silei (SSIE Dept. Binghamton Univ., extern member, Sp'2016)
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 Hailemariam, Desta (SSIE Dept. Binghamton Univ., extern member, Sp'2016)
 Han, Ying (SSIE Dept. Binghamton Univ. extern member, Fa'2015)
 Hourani, Anas (SSIE Dept. Binghamton Univ. extern member, Fa'2015)
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 Deshpande, Umesh (CS Dept. Binghamton Univ. extern member, Su'2015)
 Kayaalp, Mehmet (CS Department, Binghamton Univ. extern member, Sp'2015)
 Birnbaum, Zachary (ECE Dept. Binghamton Univ., Sp' 2015)
 Liu, Zhonghui (School of Management, Binghamton Univ. extern member, Sp'2015)
 Kim, Mina (ECE dept. Binghamton Univ., Fa' 2014)
 Ozsoy, Meltem (CS dept. Binghamton Univ., extern member, Fa' 2014)
 Wang, Rui (CS dept. Binghamton Univ., extern member, Su' 2014)
 Chen, Xiaoming (ME dept. Binghamton Univ., extern member, Su'2014)
 Atakli, Idris M. (ECE dept. Binghamton Univ., Sp' 2014)
 Cao, Wen (SSIE dept. Binghamton Univ., extern member, Sp' 2014)
 Dede, Elif (CS dept. Binghamton Univ., extern member, Sp' 2014)
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 Li, Xian (CS dept. Binghamton Univ., extern member, Sp'2013)
 Dolgikh, Andrey (ECE dept. Binghamton Univ., Sp'2013)
 Munishwar, Vikram (CS dept. Binghamton Univ., extern member, Fa'2012)
 Lu, Jun (ECE dept. Binghamton Univ., Su'2012)
 Li, Enping (ECE dept. Binghamton Univ., Su'2012)
 Tan, Ying (ECE dept. Binghamton Univ., Sp'2012)
 Quinn, Rian (ECE dept. Binghamton Univ., Sp'2012)
 Wang, Jian (CS dept. Binghamton Univ., extern member, Su'2011)
 Zhou, Yan (CS dept. Binghamton Univ., extern member, Su'2011)

Rood, Brent	(CS dept. Binghamton Univ., extern member, Sp'2011)
Oh, Jisu	(CS dept. Binghamton Univ., extern member, Sp'2011)
Tokhtabayev, Arnur	(ECE dept. Binghamton Univ., Fa'2010)
Zhang, Jingyi	(ECE dept. Binghamton Univ., Sp'2010)
Malani, Parth	(ECE dept. Binghamton Univ., Su'2009)
Suri, Tameesh	(ECE dept. Binghamton Univ., Su'2009)
Razak, Saquib	(CS dept. Binghamton Univ., extern member, Su'2009)
Pan, Yinfei	(CS dept. Binghamton Univ., extern member, Sp'2009)
Yang, Weishuai	(CS dept. Binghamton Univ., extern member, Fa'2008)
Liu, Ke	(CS dept. Binghamton Univ., extern member, Sp'2008)

Master Thesis Committee Served On:

Zach, Kenneth	(ECE dept. Binghamton University, 2016)
Ding, Zhenhuan	(ECE dept. Binghamton University, 2016)
Jia, Meng	(ECE dept. Binghamton University, 2015)
Watrobski, Paul T	(ECE dept. Binghamton University, 2015)
Gudavalli, Ganesh Sainadh	(ECE dept. Binghamton University, 2015)
Verma, Avinav	(ECE dept. Binghamton University, 2014)
Temkin, Jennifer C.	(ECE dept. Binghamton University, 2014)
Sekyonda, Ivan	(ECE dept. Binghamton University, 2014)
Viglucchi, Paul	(ECE dept. Binghamton University, 2014)
Marin, William	(ECE dept. Binghamton University, 2014)
Temkin, Kyle	(ECE dept. Binghamton University, 2012)
Van Tussel, Justin	(ECE dept. Binghamton University, 2011)
Kumar, Anand	(ECE dept. Binghamton University, 2009)
Zabran, Mikhail	(ECE dept. Binghamton University, 2009)
Gopal, Darshan	(ECE dept. Binghamton University, 2009)
Gadela, Siva Aneesh	(ECE dept. Binghamton University, 2008)
Lee, Jenog Kyun	(ECE dept. Binghamton University, 2008)
Ardolino, Kyle	(ECE dept. Binghamton University, 2008)

Honors & Awards

- Distinguished TPC member, IEEE INFOCOM 2017
- Outstanding Faculty Researcher, Department of Electrical and Computer Engineering, Binghamton University, Spring 2014.
- Best Paper Award, ChinaCom, 2008.

- Mintron Fellowship, Mintron Enterprise Co. Ltd., Taiwan, 1998.
- Outstanding Graduate Student, Chongqing University, 1997.