Rong Zheng

BUSINESS ADDRESS

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EDUCATIONAL BACKGROUND

Degrees and Diplomas

2004	Ph.D. in Computer Science, University of Illinois, Urbana-Champaign, USA
1998	Master of Engineering (thesis) in Electrical Engr., Tsinghua University, Beijing, China
1996	Bachelor of Engineering in Electrical Engr, Tsinghua University, Beijing, China

CURRENT STATUS AT MCMASTER

2013 – present	Associate Professor, Department of Computing and Software
2017 – present	Associate Chair of Graduate Study and Research
2017 – present	Member, McMaster Institute for Research on Aging
2016 – present	Associate Member, Computational Science and Engineering
2016 – present	Principle Investigator, McMaster Computing Infrastructure Center (CIRC)
2013 – present	Associate Member, Department of Electrical and Computer Engineering

PROFESSIONAL ORGANIZATIONS

2010 - present	Senior Member, IEEE
2004 – present	Member, ACM

EMPLOYMENT HISTORY

Academic

2013 – present	Associate Professor (tenured), Dept. of Computing and Software, McMaster University
08/11 – 01/12	Visiting Associate Professor, Hong Kong Polytechnic University, China
2010 – 2012	Associate Professor (tenured), Dept. of Computer Science, University of Houston, USA
2004 – 2010	Assistant Professor (tenure-track), Dept. of Computer Science, University of Houston, USA

Other

02/12 – 04/12	Visiting Scientist, Microsoft Research, Redmond, USA
06/00 – 08/00	Research Intern, Bell Labs, Lucent, Holmdel, NJ

SCHOLARLY AND PROFESSIONAL ACTIVITIES

Editorial Boards

2015 - present	Editor, IEEE Transactions on Wireless Communications
2017	Guest Editor, IEEE Transactions on Network Science and Engineering, SI on Learning-based Management, Modeling and Control in Networking
2012	Guest Editor, Elsevlers Computer Communications, SI on Cyber Physical Systems
2008	Guest Editor, EURASIP Journal on Advances in Signal Processing, SI on Wireless Location Estimation and Tracking

Conference/Workshop Organization

2017	Technical Program Co-Chair, ACM Workshop on Mobile Crowdsensing Systems and Applications, co-located with ACM SenSys
2016	General Co-chair, IEEE IEEE/IFIP International Conference on Embedded and Ubiquitous Computing (EUC)
2014	Technical Program Co-Chair, ACM Workshop on MobileHealth, co-located with ACM MobiHoc
2012	Technical Program Co-Chair, IEEE International Conference on Cyber, Physical and Social Computing (CPSCom)
2012	Technical Program Co-Chair, International Conference on Wireless Algorithms, Systems, and Applications (WASA)

Grant & Personnel Committees

2015 – 2017	NSERC Discovery Grant Computer Science Evaluation Group
2009/10/12/14	US National Science Foundation (NSF) Panel

Journal Referee

2006 – 2017	IEEE Transactions on Wireless Communications
2004 – 2015	IEEE Transactions on Mobile Computing
2004 – present	IEEE Journal of Selected Area of Communications
2008 – 2013	ACM Transactions on Sensor Networks

External Grant Reviews

2017	
2017	Alberta Innovates Strategic Research Projects
2016, 2017	Technology innovation development award (TIDA), Science Foundation Ireland
2013/14	NSERC Discovery Grants
2013	NSERC Strategic Grants
2011	NSERC Collaborative Research and Development (CRD) Grants

HONOURS AND AWARDS

2015 – 2018	Joseph Ip Engineering Fellow
2017	1st Place in indoor localization competition (Infrastructureless category), The 16th ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN)
2015	IEEE CPSWeek best demo award
2013	IEEE WCNC best paper award
2010	University of Houston research excellence award
2009	Departmental academic accomplishment award, University of Houston
2006	US National Science Foundation CAREER Award

COURSES TAUGHT (MacMaster)

Undergraduate

Computing and Software

01/2017 – 04/2017	Instructor, COMP SCI/SFWR ENG 4C03, 183 students
01/2016 – 04/2016	Instructor, COMP SCI 3SH3, 64 students (new course)
01/2016 – 04/2016	Instructor, COMP SCI/SFWR ENG 4C03, 116 students
01/2015 – 04/2015	Instructor, COMP SCI/SFWR ENG 3SH3, 136 students
01/2015 – 04/2015	Instructor, COMP SCI/SFWR ENG 4C03, 153 students
09/2014 – 04/2015	Instructor, COMP SCI 4ZP6, 43 students
01/2014 – 04/2014	Instructor, COMP SCI/SFWR ENG 3SH3, 124 students
01/2014 – 04/2014	Instructor, SFWR_ENG 4J03, 31 students

Graduate

09/2015 – 12/2015 Instructor, CAS 765, 4 students
09/2013 – 12/2013 Instructor, CAS 765, 9 students

CONTRIBUTIONS TO TEACHING PRACTICE

Course/Curriculum Development

- Redesign COMP SCI 3SH3 into a practice and experience course with significant hand-on lab components.
- Revamp Master of Engineering programs
- Redesign graduate curriculum

SUPERVISORSHIPS

	PhD McMaster/UH	MASc/MSc McMaster/UH	MEng McMaster	PDF UH	Undergrad McMaster
In-progress	5/0	4/0	5		5
Completed	1/5	0/10	5	2	

Master of Engineering (Project)

In progress

09/2017 – 12/2018 Hongbin Jia, Computer Science, TBD
09/2017 – 12/2018 Marshall Wice, Software Engineering, TBD
09/2016 – 12/2017 Chen Zhu, Computer Science, "Routing in 2-D Maps"
09/2016 – 12/2017 Zhe Gong, Computer Science, "Indoor-outdoor and floor change detection using Smartphone Sensors"
01/2017 – 04/2018 Arooj Ahmed, TBD

Completed

09/2014 – 04/2016 Tianwei Liu, Computer Science, "iOS App for MacQuest and Map Validation"
09/2014 – 12/2015 Zhen Cheng, Computer Science, "MacQuest Architecture and Client Design"
09/2014 – 12/2015 Wenbo Liu, Computer Science, "Assessing and Developing Video Conferencing tools for Tele-health Solutions"
09/2014 – 12/2015 Xiang Xiao, Computer Science, "Door-to-Door Route Planning in Indoor-Outdoor Pathway Network"
09/2013 – 05/2014 George Ibrahim, e-Health, "A Survey of Mobile Health and Medical Applications"

Master (Thesis)

In progress
09/2017 – 04/2019 Cristian Frincu, Computer Science, TBD
09/2015 – 12/2017 Yu-Ting Wang, Electrical and Computer Engineering, "Design of Asynchronous Acoustic System for Indoor Localization"
09/2016 – 04/2018 Chenhe Li, Computer Science, "Design of Two-tier Wireless Sensor Networks for Data Center Monitoring"
09/2016 – 04/2018 Jun Li, Computer Science, "Design of Low-power Airflow Sensor and Energy Harvester in Data Center Monitoring"

Completed
09/2010 – 05/2013 Thanh Le, "Sequential Learning in Wireless Network Monitoring", Primary Supervisor, Co-supervision with Dr. Zhu Han, Solution Engr., Current Position: COMIT Corp.
09/2010 – 05/2012 Sai Shiva Kailaswar, "An Empirical Characterization of Concrete Channel and Modulation", Current Position: Device Characterization Engineer at Micron Technology
09/2008 – 05/2011 Pallavi Arora, "Multi-armed Bandits in Cooperative Network Monitoring", Current

	Position: Software Engr. in Amazon
09/2009 – 05/2011	Seifenlaser Hamed, “A framework for participatory sensing for location based services”, Current Position: Software Engineer at Plunkett Research
09/2008 - 05/2010	Song Wei, “Design and Evaluation of Multi-channel Multi-radio MAC”, Current Position: Lead Android Developer at Time Warner Inc.
09/2007 - 05/2009	Arun Chhetri, “Monitoring Architecture for Wireless Infrastructure Networks”, Current Position: Senior Engr. Manager, Samsung Mobile
09/2006 - 05/2008	Amit Pendharkar, “Obstacle Discovery in Distributed Active Sensor Networks”, Current Position: Imaging Geophysicist at CGGV eritas
09/2005 - 05/2007	Vivek Aseeja, MeshMan: “A Management Framework for Wireless Mesh”, Current Position: Software Engineer at NVIDIA
09/2004 - 05/2006	Muqsith A. Mohammad, "Wireless Localization Based On Radio Signal Strength Mapping”, Current Position: Embedded Software Engineer at Intel
09/2004 - 05/2006	Sumit Singhals, "ANDES: Anomaly detection in Wireless Sensor Networks”, Current Position: N/A

Doctoral

In progress

09/2017 – 08/2021	Mehdi Jafarizadeh, Computer Science, “Reliable Data Acquisition Protocol for Data Center monitoring”
09/2017 – 08/2021	Yongyong Wei, Computer Science, “Active Learning in Mobile CrowdSensing”
09/2015 – 08/2019	Yihao Fang, Computer Science, “Deep Neural Network Models for Machine Translation”
09/2013 – 12/2017	Qiang Xu, Computer Science, “Design and Evaluation of Indoor Localization Techniques and Systems”
09/2013 – 12/2017	Ala Shaabana, Computer Science, “A Wearable System for Classifying Fine Gestures On the Extremities Level using Electromyography”

Completed

09/2013 – 12/2015	Hadi Meshgi, Electrical and Computer Engineering, “Radio Resource Management in Wireless Networks with Multicast Transmissions, Co-supervision with Dongmei Zhao as primary”, Current Position: Project Engr., Crosslinx Transit Solutions
09/2009 – 05/2013	Huy Nguyen, “Learning and Inference in Graphical Structures”, Current Position: Sr. Software Developer at IHS Inc
09/2009 – 05/2013	Nam Nguyen, “Non-parametric Bayesian Learning and Applications” Joint Supervision with Dr. Zhu Han, Current Position: Data Analytics Scientist at Schlumberger,
09/2009 – 05/2013	Guanbo Zheng, “Robust MAC Design in 60GHz Millimeter Wave Wireless Networks”, Current Position: R&D electrical engineer at Applied Optoelectronics, Inc.
01/2009 – 12/2012	Khuong Vu, “Variants of Voronoi Diagrams and Their Applications”, Current Position: R&D Engineer at Synopsys
09/2005 – 05/2011	Soji Omiwade, “Data Recovery in Wireless Sensor Networks”, Current Position: Senior Technical Consultant at OpenLink Financial

Post-Doctoral Fellowship

Completed

01/2009 – 06/2009	Na Xia, Professor, Hefei University of Science and Technology, China
09/2006 – 12/2008	Cunqing Hua, Professor, Shanghai Jiaotong University, China

Supervisory Committees

2017 – present	Yang Bo, Computer Science, Supervisor: Wenbo He
2017 – present	Morteza Mirhoseini, Computer Science, Supervisor: Doug Down
2017 – present	Markimba Williams, Electrical and Computer Engineering, Supervisor: Thia Kiruba
2016 – present	Duy Vu, Computer Science, Supervisor: Borzoo Bonakdarpour

Examiners

Internal

2016	Salvatore D'Amore (MASc), Computing and Software, Supervisor: Jacques Carette
2015	Hadi Meshgi (PhD), Electrical and Computer Engineering, Supervisor: Dongmei Zhao, Rong Zheng
2015	Jonathan Tong (PhD), Psychology
2014	Aaron Wilson (MASc), Computing and Software, Supervisor: M. v.Mohrenschildt

External

2017	Jun Li (PhD), University of Toronto, Supervisor: Baochun Li
2017	Md Mizanur Rahman (PhD), Ryerson University, Supervisor: Jelena Misic, Vojislav Misic
2017	Han Li (MS), University of Melbourne, Australia, Supervisor: Jianzhong Qi
2016	Wei Wang (PhD), University of Toronto, Supervisor: Ben Liang and Baochun Li
2015	Xiaoqiang Ma (PhD), Simon Fraser University, Supervisor: Jiangchuan Liu
2015	Zhingming Zheng (PhD), University of Waterloo, Supervisor: Sherman Shen

Undergraduate Research (McMaster University)

05/2017 – 08/2017	Eric Tran, "MacQuest++", USRA
05/2017 – 08/2017	Luka Samac, "Design of a UAV for Data Center Monitoring", USRA
05/2016 – 04/2017	Cristian Frincu, "Design of a Rover Robot for Indoor Survey"
05/2016 – 07/2016	Akhilesh Rawat, "Design of an acoustic board for indoor ranging", Mitacs Globalink
05/2015 – 08/2015	Chenhe Li, "Comparison of Indoor Localization using WiFi fingerprints and Trilateration"
05/2015 – 07/2015	Mingzhi Yu, "A Face Recognition App for Smart Glasses"
05/2015 – 08/2015	Zhikun Luo, "A Smartphone App for Acoustic Pairwise Ranging", Mitacs Globalink

Visiting Scholars and Students

09/2017 – 09/2017	Chaokun Zhang, Tsinghua University
09/2017 – 09/2017	Haifeng Lin, Zhejiang Forestry University

LIFETIME RESEARCH FUNDING (External)

1. Rong Zheng, Ishwar Puri, Doug Down, CRD: Autonomous Monitoring of Data Centre Operations (**PI**), Natural Sciences and Engineering Research Council of Canada (NSERC), Cinnos Mission Critital Incorporated, 12/2016 - 12/2021, $1.4M
2. Rong Zheng, Ruhai Wu, Kui Wu (UVic), SPG-P: ShareCrowd: A New Paradigm for Mobile Crowdsensing (**PI**), Natural Sciences and Engineering Research Council of Canada (NSERC), 10/2016 - 09/2019, $467,000
3. Rong Zheng, ENGAGE: Whisper: An Acoustic-based Proximity Detection System, 2015, $25,000
4. Rong Zheng, ENGAGE: Overcoming the Digital Divide: Assessing and Developing Video Conferencing-based Tele-health Solutions in Bandwidth-constrained Rural and Remote Areas, Natural Sciences and Engineering Research Council of Canada (NSERC), 2014, $25,000
5. Rong Zheng, Software-Defined Radio Enabled Wireless Surveillance and Security. Natural Sciences and Engineering Research Council of Canada (NSERC), MRI CFI-LOF, 2014, $212,415
6. Rong Zheng, Discovery: A Sequential Learning Framework for Resource Management in Wireless Networks (PI), Natural Sciences and Engineering Research Council of Canada (NSERC), 05/2013 – 04/2018, $180,000
7. Rong Zheng, NeTS-NEDG: Toward Service Predictability under Uncertain Resource Availability in 802.11 Like Networks, US National Science Foundation (NSF), 2009 – 2011, USD $200,000

8. Rong Zheng, Gangbin Song, Zhi Ding, CCSS-CPS: Collaborative: If the Bridges Can Talk: Toward Autonomous Structure Health Monitoring for Civil Infrastructure (**PI**), US National Science Foundation (NSF), 2011 – 2013, USD $250,000
9. Rong Zheng, Zhu Han, Cliff Dasco, NeTS: Small: Toward Wireless Co-existence For Safety-critical Applications (**PI**), US National Science Foundation (NSF), 2011 – 2013, USD$300,000
10. Rong Zheng, CAREER: Data Dissemination in Multihop Wireless Networks: Theory and System Design, US National Science Foundation (NSF), 01/2006 – 01/2011, USD$400,000
11. Jaspal Subhlok, Rong Zheng, Edgar Gabriel , CSR-PSCE, SM: Collaborative Research: VOLPEX: A Framework for Parallel Execution on Volatile Nodes, US National Science Foundation (NSF), 09/2008 – 08/2010, USD$280,000
12. Stephen Huang, Ernst Leiss, Ioannis Kakadiaris, Yuriy Fofanov, Rong Zheng, GAANN: Doctoral Training in Computer and Computational Sciences, US Department of Education (P200A070377), 8/15/07-8/14/10, USD$383,643
13. Shishir Sha, Rong Zheng, Edgar Gabriel, Marc Garbey, DURIP: Smart Camera Network Instrumentation for Collaborative Mission Research, US Army Research Office, 07/2008 – 07/2009, USD$140,000

LIFETIME PUBLICATIONS

	Book	Book Chapter	Journal	Conference	Workshop/Poster
Published	1	2	35	67	10
Accepted			2		
In-submission			3	1	

Total Google citation count: 3354

Peer Reviewed

Books

1. Rong Zheng, Cunqing Hua, "Sequential Learning and Decision Making in Wireless Resource Management", Springer, 2016

Contribution to Books

1. Rong Zheng and Cunqing Hua, "Sensor techniques and network protocols for smart grid", Cambridge University Press, 2010
2. Rong Zheng and Jennifer C. Hou, "Power Management and Power Control in Wireless Networks", Ad Hoc and Sensor Networks, Yi Pan and Yang Xiao (Eds), Nova Science Publishers, 2006

Journal Articles

1. Na Xia, Yuanxiao Ou, Shiliang Wang, Rong Zheng, Hua-Zheng Du, Chaonong Xu, "Localizability Judgment in UWSNs Based on Skeleton and Rigidity Theory", IEEE Trans. Mob. Comput. 16(4): 980-989 (2017)
2. Cunqing Hua, Hongwei Yu, Rong Zheng, Jie Li, Rui Ni, "Online Packet Dispatching for Delay Optimal Concurrent Transmissions in Heterogeneous Multi-RAT Networks", IEEE Transactions on Wireless Communications, 15(7): 5076-5086 (2016)
3. Najmeh Forouzandehmehr, Zhu Han, Rong Zheng, "Stochastic Dynamic Game between Hydropower Plant and Thermal Power Plant in Smart Grid Networks". IEEE Systems Journal 10(1): 88-96 (2016)
4. Qiang Xu, Rong Zheng, Walid Saad and Zhu Han, "Device Fingerprinting in Wireless Networks: Challenges and Opportunities", IEEE Communications Surveys and Tutorials, 18(1): 94-104 (2016)
5. Guanbo Zheng, Cunqing Hua, Rong Zheng, Qixin Wang, "Toward Robust Relay Placement in 60 GHz mmWave Wireless Personal Area Networks with Directional Antenna", IEEE Trans. Mob. Comput. 15(3): 762-773 (2016)

6. Esmalifalak, M.; Nguyen, H.; Zheng, R.; Xie, L.; Song, L.; Han, Z., "A Stealthy Attack Against Electricity Market Using Independent Component Analysis," in IEEE Systems Journal 10(1): 88-96 (2015)
7. Yunghsiang S. Han, Hung-Ta Pai, Rong Zheng, Pramod K. Varshney, "Update-Efficient Error-Correcting Product-Matrix Codes", IEEE Transaction on Communication, 63(6): 1925 – 1938 (2015)
8. Nam Nguyen, Rong Zheng, Jie Liu, Zhu Han, "GreenLocs: An Energy Efficient Indoor Place Identification Framework", ACM Transactions on Sensor Networks, 11(3): 43:1-43:21 (2015)
9. Thanh Le, Csaba Szepesvari, Rong Zheng, "Sequential Learning for Multi-channel Wireless Network Monitoring with Channel Switching Costs", IEEE Transactions on Signal Processing, 62(22): 5919-5929 (2014)
10. Rong Zheng, Thanh Le, Zhu Han, "Approximate Online Learning Algorithms for Optimal Monitoring in Multi-channel Wireless Networks", IEEE Transactions on Wireless Communications, 13(2): 1023-1033 (2014)
11. Yunghsiang S. Han, Hung-Ta Pai, Rong Zheng, Wai Ho Mow, "Efficient Exact Regenerating Codes for Byzantine Fault Tolerance in Distributed Networked Storage", IEEE Transactions on Communications, 62(2): 385- 397 (2014)
12. Yufei Wang, Rong Zheng, Qixin Wang, "Self-tuned Distributed Monitoring of Multi-channel Wireless Networks using Gibbs Sampler", Computer Networks 64: 261-272 (2014)
13. Yufei Wang, Guanbo Zheng, Qixin Wang, Rong Zheng, Qian Zhang, "WiCop: Engineering WiFi Tempo- ral White-Spaces for Safe Operations of Wireless Personal Area Networks in Medical Applications", IEEE Transactions on Mobile Computing, 13(5): 1145-1158 (2014)
14. Huy Nguyen, Gabriel Scalosub, and Rong Zheng, "On Quality of Monitoring for Multi-channel Wireless Infrastructure Networks, IEEE Transactions on Mobile Computing, 13(3): 664-677 (2014)
15. Huy Nguyen and Rong Zheng, "A Binary Independent Component Analysis Approach to Tree Topology Inference", IEEE Transactions on Signal Processing, 61(12): 3071-3080 (2013)
16. Huy Nguyen and Rong Zheng, "On Budgeted Influence Maximization in Social Networks", IEEE Journal on Selected Areas in Communications, Special Issue on Network Science (JSAC NS), 31(6): 1084-1094 (2013)
17. Huy Nguyen, G. Zheng, Z. Han, and R. Zheng, "Binary Inference for Primary User Separation in Cognitive Radio Networks", IEEE Transactions on Wireless Communications, 12(4): 1532-1542 (2013)
18. Yi Huang, Mohammad Esmalifalak, Huy Nguyen, Rong Zheng, Zhu Han, Husheng Li, Lingyang Song, "Bad data injection in smart grid: attack and defense mechanisms", IEEE Communications Magazine 51(1): 27-33, (2013)
19. Nam Nguyen, Rong Zheng, Zhu Han, "On Identifying Primary User Emulation Attacks in Cognitive Radio Systems Using Nonparametric Bayesian Classification", IEEE Transaction on Signal Processing, 60(3): 1432-1445 (2012)
20. Kyung-Joon Park, Rong Zheng, Xue Liu, "Cyber-physical systems: Milestones and research challenges", Computer Communications 36(1): 1-7 (2012)
21. Walid Saad, Zhu Han, Rong Zheng, Vincent Poor, Tamer Basar, "Coalitional Games in Partition Form for Joint Spectrum Sensing and Access in Cognitive Radio Networks", IEEE Journal of Selected Topics in Signal Processing, 6(2): 195-209 (2012)
22. Cunqing Hua, Rong Zheng, "Robust Topology Engineering in Multi-Radio Multi-Channel Wireless Networks", in IEEE Transactions on Mobile Computing, 11(3): 492-503 (2012)
23. Huy Nguyen, Rong Zheng, "Binary Independent Component Analysis with OR Mixtures", in IEEE Transactions on Signal Processing, 59(7): 3168-3181 (2011)
24. Zhu Han, Rong Zheng, Vincent Poor, "Repeated Auctions with Bayesian Nonparametric Learning for Spectrum Access in Cognitive Radio Networks", in IEEE Transactions on Wireless Communications, 10(3): 890-900 (2011)
25. Cunqing Hua, Rong Zheng, "On link-level starvation in dense 802.11 wireless community networks". Computer Networks, 54 (17): 3159-3172 (2010)

26. Rong Zheng, Khuong Vu, Amit Pendharkar, Obstacle Discovery in Distributed Actuator and Sensor Networks, in ACM Transactions on Sensor Networks, 7 (3): 22:1 – 22:24 (2010)
27. Peng Li, Haichang Gu, Gangbing Song, Rong Zheng, YL Mo, "Concrete Structural Health Monitoring Using Piezoceramic-Based Wireless Sensor Networks", SPIE International Journal on Smart Structures and Systems, SI on Wireless Sensor Advances and Applications for Civil Infrastructure Monitoring, 6 (5-6): 731-748 (2010)
28. Richard Barton and Rong Zheng, "Order-optimal Data Aggregation in Wireless Sensor Networks", IEEE Transactions on Information Theory, 56(11): 5811-5821, 2010
29. Qixin Wang, Rong Zheng, Ajay Tirumala, Xue Liu, Sha Liu, "Lightning: A Hard Real-Time, Fast, and Lightweight Low-End Wireless Sensor Election Protocol for Acoustic Event Localization", in IEEE Transactions on Mobile Computing, 7(5): 570-584 (2008)
30. Rong Zheng, "Asymptotic Bounds of Information Dissemination in Power-constrained Wireless Networks", in IEEE Transactions on Wireless Communications, 7(1), 251-259 (2008)
31. Rong Zheng, Jennifer Hou and Lui Sha, "Optimal Block Design for Asynchronous Wakeup and Its Applications in Multi-hop Wireless Networks", IEEE Transactions on Mobile Computing, 5(9):1228-1241 (2006)
32. Rong Zheng, Jennifer Hou and Lui Sha, "Performance Analysis of Power Management Policies in Wireless Networks", in IEEE Transactions on Wireless Communications, 5(6): 1351-1361 (2006)
33. Rong Zheng, Robin Kravet, "On-demand Power Management for Ad Hoc Networks", Elsevier Ad Hoc Networks Journal, 3(1): 51-68 (2005)
34. Guanghui He,Rong Zheng, Indranil Gupta, "A Framework for Time Indexing in Sensor Networks", in ACM Transactions on Sensor Networks, 1 (1): 101-133 (2005)
35. Rong Zheng, Ye Ge, Jennifer Hou and Sandy Thuel. "A Case for Mobility Support with Temporary Home Agent", ACM Mobile Computing and Communications Review (MC2R), 6(1): 32-46 (2002)

Conference

1. Yu-Ting Wang, Jun Li, Rong Zheng, Dongmei Zhao, "ARABIS: an Asynchronous Acoustic Indoor Positioning System for Mobile Devices", International Conference on Indoor Positioning and Indoor Navigation (IPIN'17)
2. Qiang Xu, Chenhe Li, Rong Zheng, "TuRF: Fast Data Collection for Fingerprint-based Indoor Localization", International Conference on Indoor Positioning and Indoor Navigation (IPIN'17)
3. Ala Shaabana, Rong Zheng, Joey Legere, and Martin v. Mohrenschildt , "Finger Movement Recognition During Ballistic Movements Using Electromyography", IEEE/ACM Conference on Connected Health: Applications, Systems, and Engineering Technologies (CHASE), Philadelphia, July, 2017
4. Qiang Xu, Rong Zheng, "When Data Acquisition Meets Data Analytics: A Distributed Active Learning Framework for Optimal Budgeted Mobile Crowdsensing", in Proceedings of Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Atlanta, June 2017
5. Yu-Ting Wang, Rong Zheng, Dongmei Zhao: Towards Zero-Configuration Indoor Localization Using Asynchronous Acoustic Beacons, IEEE IEEE/IFIP International Conference on Embedded and Ubiquitous Computing (EUC), Paris, France, Sept., 2016
6. Chaokun Zhang, Yong Cui, Rong Zheng, Jinlong E, Jianping Wu, "Multi-Resource Partial-Ordered Task Scheduling in Cloud Computing", short paper, IEEE/ACM International Symposium on Quality of Service (IWQoS), Beijing, China, June, 2016
7. Muhammad Hammuda, Rong Zheng, "Full-duplex Spectrum Sensing and Access in Cognitive Radio Net works with Unknown Primary User Activities", IEEE International Conference on Communications (ICC), Kualar Lumpur, Malaysia, 2016
8. Ala Shaabana, Rong Zheng, Zhipeng Xu, "SiCILIA: A Smart Sensor System for Clothing Insulation Inference", IEEE Global Communications Conference (Globecom), San Diego, CA, 2015

9. Qiang Xu, Rong Zheng, “Automated Detection of Burned-out Lights Using Indoor Positioning”, International Conferecne on Indoor Positioning and Indoor Navigation (IPIN), Calgary, AB, Oct., 2015
10. Qiang Xu, Rong Zheng, Steve Hranilovi, “IDyLL: Indoor Localization using Inertial and Light Sensors on Smartphones”, ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), Osaka, Japan, 2015
11. Hadi Meshgi, Dongmei Zhao, Rong Zheng, “Joint Channel and Power Allocation in Underlay Multicast Device-to-Device Communications”, IEEE International Conference on Communications (ICC), London, UK, 2015
12. Lingzhi Wang, Cunqing Hua, Rong Zheng, Rui Ni, “Online Channel Selection and User Association in High-density WiFi Networks”, IEEE International Conference on Communications (ICC), London, UK, 2015
13. Huy Nguyen, Rong Zheng, “A data-driven study of influences in Twitter communities”, IEEE International Conference on Communications (ICC), 2014
14. Walid Saad, Zhu Han, Rong Zheng, Mrouane Debbah, Vincent Poor, “A College Admissions Game for Uplink User Association in Wireless Small Cell Networks”, Proceedings of the Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Toronto, May, 2014
15. Guanbo Zheng, Rong Zheng, “Joint Neighbor Discovery and Contention Relationship Inference in Wireless Networks”, International Conference on Wireless Algorithms, Systems, and Applications (WASA), Harbin, China, June, 2014
16. Mohammad Esmalifalak, Nam Nguyen, Rong Zheng, Zhu Han, “Detecting Stealthy False Data Injection Using Machine Learning in Smart Grid”, the IEEE Global Communications Conference (Globecom), Atlanta, GA, Nov., 2013
17. Guanbo Zheng, Cunqing Hua, Qixin Wang, Rong Zheng,“A Robust Relay Placement Framework for 60GHz mmWave Wireless Personal Area Networks”, the IEEE Global Communications Conference (Globecom), Atlanta, GA, 2013
18. Khuong Vu, Rong Zheng, “Spatial skyline query with location uncertainty”, ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL), Orlando, FL, July, 2013 (short paper)
19. Feng Tan, Yufei Wang, Qixin Wang, Lei Bu, Rong Zheng, Neeraj Suri, “Guaranteeing Proper-Temporal-Embedding safety rules in wireless CPS: A hybrid formal modeling approach”, IEEE/IFIP International Conference on Dependable Systems and Networks (DSN) 2013
20. Yunghsiang S. Han, Hung-Ta Pai, Rong Zheng, Pramod K. Varshney, “Update-efficient regenerating codes with minimum per-node storage”. IEEE International Conference on Information Theory (ISIT), Istanbul, Turkey, June, 2013
21. Nam Nguyen, Khuong Vu, Rong Zheng, Zhu Han, “UMLI: An Unsupervised Mobile Locations Extraction Approach with Incomplete Data”, IEEE IEEE Wireless Communications & Networking Conference (WCNC), Shanghai, China, April, 2013 (Best Paper Award)
22. Rong Zheng, Thanh Le, Zhu Han, “Approximate Online Learning for Passive Monitoring of Multi-channel Wireless Networks”, in Proceedings of the 32nd Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Toronto, Canada, 2013
23. Qixin Wang, Yufei Wang, Rong Zheng, Xue Liu, “Curbing Aggregate Member Flow Burstiness to Bound End-to-End Delay in Networks of TDMA Crossbar Real-Time Switches,” in Proc. of the 33rd IEEE Real Time Systems Symposium (RTSS’12), San Juan, Puerto Rico, Dec., 2012
24. Huy Nguyen and Rong Zheng, Influence Spread in Large-Scale Social Networks - A Belief Propagation Approach in Proceedings of the 23rd European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD’12), September 24-28, Bristol, UK, 2012.
25. Soji Omiwade, Rong Zheng, “Online Data Recovery in Wireless Sensor Networks”, 9th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON), 2012

26. KhuongVu, Rong Zheng, Jie Gao, "Efficient Algorithms for K-Anonymous Location Privacy in Participatory Sensing", in Proceedings of the 31st Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Miami, FL, 2012
27. Yunghsiang Han, Rong Zheng, WH Mow, "Exact Regenerating Codes for Byzantine Fault Tolerance in Distributed Storage" in Proceedings of the 31st Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Miami, FL, 2012
28. Khuong Vu, Rong Zheng, "Geometric Algorithms for Target Localization and Tracking Under Location Uncertainties in Wireless Sensor Networks", in Proceedings of the 31st Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Miami, FL, 2012
29. Mohammad Esmalifalak, Huy Nguyen, Rong Zheng, and Zhu Han, "Stealth False Data Injection using Independent Component Analysis in Smart Grid", in the IEEE SmartGridComm, Oct. 2011, Brussels, Belgium
30. Guanbo Zheng, Dong Han, Rong Zheng, Christopher Schmitz, Xiaojing Yuan, "A Link Quality Inference Model for IEEE 802.15.4 Low-Rate WPANs", in the IEEE Global Communications Conference (GlobeCom), Houston, Tx, 2011
31. Pallavi Arora, Na Xia, Rong Zheng, "A Gibbs Sampler Approach for Optimal Distributed Monitoring of Multi-channel Wireless Networks", in the IEEE Global Communications Conference (GlobeCom), Houston, Tx, 2011
32. Huy Nguyen, Nam Nguyen, Guanbo Zheng, Zhu Han, Rong Zheng, "Binary Blind Identification of Wire- less Transmission Technologies for Wide-band Spectrum Monitoring", in the IEEE Global Communications Conference (GlobeCom), Houston, Tx, 2011
33. Soji Omiwade, Rong Zheng, "Maximum Lifetime Data Regeneration for Persistent Storage in Wireless Sensor Networks", in the IEEE Global Communications Conference (GlobeCom), Houston, Tx, 2011
34. Mohammad Esmalifalak, Huy Nguyen, Rong Zheng, Zhu Han,"Stealth False Data Injection using Independent Component Analysis in Smart Grid", IEEE SmartGridComm, Brussels, Belgium, 2011
35. Khuong Vu and Rong Zheng,"An Incremental Algorithm for High Order MaximumVoronoi Diagram Construction", 23rd Canadian Conference on Computational Geometry, August, Toronto, Canada, 2011
36. Yufei Wang, Qixin Wang, Guanbo Zheng, Zheng Zeng, and Rong Zheng, "WiCop: Engineering WiFi Whitespaces for Safe Operations of Wireless Body Networks in Medical Applications," in the 32nd IEEE Real-time Systems Symposium (RTSS), Vienna, Austria, 2011
37. Pallavi Arora, Csaba Szepesvari, Rong Zheng, "Sequential Learning for Optimal Monitoring of Multi-channel Wireless Networks", Proceedings of the Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Shanghai, China, 2011
38. Khuong Vu, Rong Zheng, "Robust Coverage under Uncertainty in Wireless Sensor Networks , Proceedings of the Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Shanghai, China, 2011
39. Nam Tuan Nguyen, Guanbo Zheng, Zhu Han and Rong Zheng, "Device Fingerprinting to Enhance Wireless Security using Nonparametric Bayesian Method", Proceedings of the Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Shanghai, China, 2011
40. Khoung Vu and Rong Zheng, "Multi-target Tracking in Distributed Active Sensor Networks", Military Communication Conference (Milcom), San Jose, CA, 2010.
41. Na Xia, Khuong Vu, Rong Zheng, "Sensor Placement for Minimum Exposure in Distributed Active Sensing Networks", IEEE Global Communication Conference (GlobeCom), Miami, FL, 2010
42. Arun Chhetri, Huy Nguyen, Gabriel Scalosub and Rong Zheng, "On Quality of Monitoring for Multi-channel Wireless Infrastructure Networks", the ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc), Chicago, IL, 2010
43. Huy Nguyen, Rong Zheng, Zhu Han, "Binary is Good: A Binary Inference Framework for Primary User Separation in Cognitive Radio Networks", the 5th International Conference on Cognitive Radio Oriented Wireless Networks and Communications (Crowncom), Cannes, France, 2010

44. Yunghsiang Han, Soji Omiwade and Rong Zheng, "Persistent Distributed Storage with Progressive De- coding under Byzantine Failures", Proceedings of the Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM) mini-symposium, San Diego, CA, 2010
45. Arun Chhetri, Rong Zheng, "WiserAnalyzer: A Passive Monitoring Framework for WLANs", The 5th International Conference on Mobile Ad-hoc and Sensor Networks (MSN), Wuyishan, China, 2009
46. Zhu Han, Rong Zheng and Vincent Poor, "Repeated Auctions with Learning for Spectrum Access in Cognitive Radio Networks", Proceedings of the Forty-seventh Annual Allerton Conference on Communication, Control, and Computing, Monticello, IL, 2009 (Invited)
47. Q. Xu, R. Prithivathi, J. Subhlok, Rong Zheng, and Sara Voss, "Logicalization of MPI Communication Traces", IEEE International Symposium on Workload Characterization, Austin, TX, 2009
48. Peng Li, Gangbing Song, Rong Zheng and Y. L. Mo, "Piezo-Based Wireless Sensor Networks for Civil Structural Health Monitoring", 1st International Postgraduate Conference on Infrastructure and Environment, Hong Kong, China, 2009 (best paper award)
49. Rong Zheng and Amit Pendharkar, "Obstacle Discovery in Distributed Active Sensor Networks", Proceed- ings of the 28th Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Rio de Janeiro, Brazil, 2009
50. Vivek Aseeja and Rong Zheng, "MeshMan: A Management Framework for Wireless Mesh Networks", Proceedings of the 11th IFIP/IEEE International Symposium on Integrated Network Management (IM), Long Island, NY, 2009
51. Cunqing Hua, Song Wei and Rong Zheng, "Robust Channel Assignment for Link-level Resource Provision- ing in Multi-radio Multi-channel Wireless Networks", Proceedings of the 16th IEEE International Confer- ence on Network Protocols (ICNP), Orlando, FL, 2008
52. Cunqing Hua and Rong Zheng, "Starvation Modeling and Identification in Dense WLAN Networks", Proceedings of the 27th Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Phoenix, AZ, 2008
53. Rong Zheng and Chengzhi Li, "How Good is Opportunistic Routing? – A Reality Check under Rayleigh Fading Channels", Proceedings of the 11-th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (ACM MSWiM), Vancouver, BC, 2008
54. Soji Omiwade, Rong Zheng and Cunqing Hua, "Practical localized network coding in wireless mesh networks", Proceedings of Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON), San Francisco, CA, 2008
55. Amit Pendharkar, Claudio Olmi, Rong Zheng and Gangbing Song, "High Rate Sensing in Wireless Civil Structure monitoring", Proceedings of the 11th Biennial ASCE Aerospace Division International Conference – Intelligent Sensors and Actuators Track, Los Angeles, CA, 2008 (invited paper)
56. Rong Zheng, Richard Barton, "Toward Optimal Data Aggregation in Random Wireless Sensor Networks", Proceedings of the 26th Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Anchorage, AK, 2007
57. Sumit Gupta and Rong Zheng and Albert Cheng, "ANDES: an Anomaly Detection System for Wireless Sensor Networks", Proceedings of the Fourth IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS), Pisa, Italy, 2007
58. Muqsith A Mohammad, Rong Zheng, Richard Barton, "Location Sensing Using Minmax Robust Thin-splate Spline", Proceedings of the Forty-Fourth Annual Allerton Conference on Communication, Control, and Computing, Monticello, IL, 2006
59. Rong Zheng, "Information Dissemination in Power-constrained Wireless Networks", Proceedings of the 25th Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), Barcelona, Spain, 2006

60. Richard Barton and Rong Zheng, "Cooperative Time-Reversal Communication is Order-Optimal for Data Aggregation in Wireless Sensor Networks", Proceedings of IEEE International Symposium on Information Theory (ISIT), Seattle, WA, 2006
61. R.J.Barton and Rong Zheng,"Order-Optimal Data Aggregation in Wireless Sensor Networks Using Cooperative Time-Reversal Communication," Proceedings of the 40th Annual Conference on Information Sciences and Systems (CISS), Princeton, NJ, 2006
62. Rong Zheng, Jennifer Hou and Lui Sha, "On Time-out Driven Power Management Policies for Wireless Networks", Proceedings of the IEEE Global Communications Conference (GlobeCom), Dallas, TX, 2004
63. Qixin Wang, Rong Zheng, Ajay S. Tirumala and Lui Sha, "Lightning: A Fast and Light-Weight Acoustic Location Protocol Using Low-End Wireless Micro-Sensors", Proceedings of 25th IEEE International Real-Time Systems Symposium (RTSS), Lisbon, Portugal, 2004 (Nominated for best paper award)
64. Rong Zheng, Jennifer Hou and Lui Sha. "Asynchronous Wakeup for Ad Hoc Networks", Proceedings of the 4th ACM international symposium on mobile ad hoc networking and computing (MobiHoc), Minneapolis, MA, June 2003
65. Rong Zheng and Robin Kravets. "On-demand Power Management for Ad Hoc Networks", Proceedings of the 22nd Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), San Francisco, CA, April 2003
66. Qixin Wang, Weipeng Chen, Rong Zheng, Kihwal Lee and Lui Sha. "Acoustic Target Tracking Using Tiny Wireless Sensor Devices", Proceedings of Information Processing in Sensor Networks (IPSN), Palo Alto, CA, April 2003
67. Wei Lin, Rong Zheng and Jennifer Hou. "How to Make Assured Service More Assured", Proceedings of the 8th IEEE International Conference on Network Protocols (ICNP), Toronto, Canada, 1999

Workshop and Poster

1. Qiang Xu, Rong Zheng, Ezzeldin Tahoun, "Detecting Location Fraud in Indoor Mobile Crowdsensing", First ACM Workshop on Mobile Crowdsensing Sytems and Applications, Delft, Netherland, 2017
2. Qiang Xu, Rong Zheng, "MobiBee: a Mobile Treasure Hunt Game for Location-dependent Fingerprint Collection", UbiComp Adjunct 2016: 1472-1477
3. Ala Shaabana, Rong Zheng, Zhipeng Xu, "SiCILIA: a Smart Sensor System for Clothing Insulation Inference using Heat Exchange", Proceedings of Information Processing in Sensor Networks (IPSN Seattle, WA, June 2015 (Best Demo Award)
4. Qiang Xu, George Ibrahim, Rong Zheng, Norm Archer, "Toward Automated Categorization of Mobile Health and Fitness Applications", 4th ACM MobiHoc workshop on pervasive wireless healthcare (MobileHealth'14)
5. Tao Li, Qixin Wang, Feng Tan, Lei Bu, Jian-nong Cao, Xue Liu, Yufei Wang, and Rong Zheng, "From Off-fline Long-Run to Online Short-Run: Exploring a New Approach of Hybrid Systems Model Checking for MDPnP," in Joint Workshop on High Confidence Medical Devices, Software, and Systems and Medical Device Plug-and-Play Interoperability (HCMDSS/MDPnP'11), Chicago, IL, 2011.
6. ER Pedamallu, Huy Nguyen, S. Joshi S, Rong Zheng, "QUEST7: A Real Life Search Agent", International Workshop on Emerging Mobile Sensing Technologies, Systems, and Applications, San Jose, CA, 2011 (Invited)
7. Cunqing Hua and Rong Zheng, "Robust Resource Management for Predictable Services in Wireless Healthcare", Proceedings of the 1st ACM International Workshop on Medical-grade Wireless Networks (WiMD'09), New Orleans, LA, 2009 (Invited)
8. Rong Zheng, "On Routing in Lossy Wireless Networks with Realistic Channel Models", Proceedings of the First ACM International Workshop on Foundations of Wireless Ad Hoc and Sensor Networking and Computing (in conjunction with Mobihoc), Hong Kong, China, 2008

9. Soji Omiwade, Rong Zheng and Cunqing Hua, "Butterflies in the Mesh: Lightweight Localized Wireless Network Coding", Proceedings of Fourth Workshop on Network Coding, Theory, and Applications (NetCod), Hong Kong, China, 2008

Accepted for Publication (in final form)

1. Hadi Meshgi, Dongmei Zhao, Rong Zheng, Optimal Resource Allocation in Multicast Device-to-Device Communications Underlaying LTE Networks, IEEE Transactions on Vehicle Technology, 2017
2. Ala Shabana, Rong Zheng, Zhipeng Xu, "Inferring Clothing Insulation Levels using Mechanisms of Heat Transfer", ACM Transactions on Sensor Networks, 2017

Submitted for Publication

1. Ala Shabaana, "XTREMIS: A Portable Bio-medical Sensor Platform", in submission to ACM Transactions on Embedded Computing Systems (TECS)
2. Muhammad Hammuda, Rong Zheng, Tim Davidson, "Learning-theoretical Spectrum Sensing and Access in Full-duplex Cognitive Radio Networks", in submission to IEEE Transactions on Wireless Communications
3. Ala Shabaana, Rong Zheng, "CRONOS: A Post-hoc Data-Driven Multi-Sensor Synchronization Approach", in submission of Proceedings of ACM on on Interactive, Mobile, Wearable and Ubiquitous Technologies
4. Yangli-ao Geng, Qingyong Li, Rong Zheng, Fuzhen Zhuang, Ruisi He, "RECOME: a New Density-Based Clustering Algorithm Using Relative KNN Kernel Density", in submission to Elsvier Informatics and Computer Science Intelligent Systems Applications

PRESENTATIONS

Keynotes

2013 "Some Advancements in Wireless Structural Health Monitoring", IEEE Sensor Application Symposiums, 2013, Houston, Tx, USA
2011 "Toward Autonomous Structure Health Monitoring for Intelligent Transportation", The 6th International Symposium on Embedded Technology (ISET), Jeju, South Korea

Invited Talks/Lectures (Since 2013)

2017 "Sensing and Data Acquisition in the Big Data Era: What, Where and When", The International Workshop on Frontiers of Cyber-Physical Systems and Internet of Things (IWFCI), Nanjing, China
2017 "Sensing and Data Acquisition in the Big Data Era: What, Where and When", Michigan State University, USA
2017 "Sensing and Data Acquisition in the Big Data Era: What, Where and When", Western Ontario University, Canada
2017 "The Holy Grail of Sub-meter Indoor Localization with Low-cost Infrastructure", Nanjing University, China
2017 "The Holy Grail of Sub-meter Indoor Localization with Low-cost Infrastructure", Wuhan University, China
2017 "The Holy Grail of Sub-meter Indoor Localization with Low-cost Infrastructure", Beijing Jiaotong University, China
2017 "The Holy Grail of Sub-meter Indoor Localization with Low-cost Infrastructure", Chinese University of Geoscience (Wuhan), China
2017 "Demystifying Machine Learning (for Engineers ...)", CIRC Lunch & Learn
2016 Summer Course on Mobile Data Analytics, Beijing Jiaotong University, China
2016 "Toward Personalized Thermal Environments", Microsoft Research, Redmond, WA, USA
2015 MacQuest, DemoCamp, Hamilton, ON
2015 "Sequential Learning and Decision Making in Wireless Resource Management", Beijing Jiaotong University, China
2015 "Location, Location, Location", University of Houston, USA
2014 "Recent Trends in Wireless Networking and Communications", Panel presentation, International Conference on Wireless Algorithms, Systems, and Applications, Harbin, China

2014 "Opportunities (and Challenges) of IoT in Environmental Monitoring & Energy Management", MacWater Workshop, McMaster
2014 "The Holy Grail of Sub-meter Indoor Localization with Low-cost Infrastructure", Tsinghua University, China
2014 "Sequential Learning and Decision Making in Wireless Resource Management", Shanghai Jiaotong Univ., China
2014 "SuSHI: A Smart Sensor System for Thermal Inference", University of Houston, USA
2014 "The Tale of Three Sensors", Xerox, Canada
2013 "Toward Autonomous Structure Health Monitoring", University of Buffalo, USA
2013 "Binary Independent Component Analysis with OR Mixtures and Its Applications", Syracuse University, USA
2013 "Online Inference of Recurring and New Indoor Places of Mobile Users", University of Waterloo, Canada
2013 "Pervasive Computing – Challenges and Opportunities", IEEE Annual Computer Comm. Workshop, Niagara, NY, USA

CONTRIBUTION TO SOFTWARE RELEASE

2016 MacQuest, Apple App Store, https://itunes.apple.com/ca/app/macquest/id1099180345?mt=8
2015 MacQuest, Google Play, https://play.google.com/store/apps/details?id=com.mcmaster.wiser.idyll&hl=en
2004 JavaSim, https://sites.google.com/site/jsimofficial/

ADMINISTRATIVE RESPONSIBILITIES

Department

2017 Organizer: 1st CAS Graduate Poster and Demo Competition
2016 – present Associate Chair Graduate Study and Research
2016 – present Member, Faculty Search Committee
2016 – present Member, Award Committee
2016 – present Chair, Graduate Curriculum and Policy Committee
2016 – present Chair, Research excellence committee
2016 Member, Department Chair Search Committee
2014 – 2016 Software Engineering Undergraduate Advisor
2014 - 2016 Member, Tenure, Promotions, and Consulting Committee
2014 – 2016 Member, PhD Comprehensive Exam Committee

Faculty

2016 – present Member, Graduate Curriculum and Policy Committee
2016 – present Member, Faculty Engr. BTech Advisory Committee
2014 – 2015 Member, Faculty Engineering 1 Operating Committee
2014 – 2016 eHealth Recruitment, Admissions, Curriculum and Internship

University

2016 – present Member, MacData Steering Committee
2017 – present Member, Wireless Working Committee (UTS)