Gang Zhou

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EDUCATION

University of Virginia, Charlottesville, VA
Ph.D. in Computer Science *2007*
Thesis Title: Taming the Sensor Networking Challenges
Thesis Advisor: Prof. John A. Stankovic
M.CS. in Computer Science *2004*

Nanjing University, Nanjing, China
M.E. in Computer Science *2002*
B.S. in Computer Science *1999*

ACADEMIC POSITIONS

William & Mary, Williamsburg, VA
Professor, Computer Science Department *2019-present*
Graduate Director, Computer Science Department *2015-2017*
Associate Professor, Computer Science Department *2013-2017*
Assistant Professor, Computer Science Department *2007-2013*

HONORS, PRIZES AND AWARDS

Advisory Board Member, Mai Anh Do & David Nguyen Foundation, *2021-present*

Recognition of Service Award, by ACM SIG Governing Board, *2020*

2020 Most Downloaded Paper Award, by Elsevier Smart Health, *2020*

Outstanding Service Award, by IEEE IEEE International Conference on Pervasive Computing and Communications (PerCom) *2017*

Influencer Award of Graduate Class of 2017, William & Mary *2016*

Plumeri Award for Faculty Excellence, William & Mary *2015*

Third Best Mobile App in The ACM MobiCom Second Mobile App Competition *2014*

ACM Senior Member *2014*

CAREER Award, by the Computer and Information Science and Engineering Directory of the National Science Foundation (NSF) *2013*

IEEE Senior Member *2013*

Third Best Mobile App in The ACM MobiCom First Mobile App Competition *2013*

Best paper award for the 18^{th} IEEE International Conference on Network Protocols (IEEE ICNP 2010), selected from 170 submissions *2010*

Outstanding Service Award for IEEE Transactions on Instrumentation and Measurement *2008*

Editorial Positions on Scholarly Journals

Associate Editor, Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) *2019-present*

Associate Editor, ACM Transactions on Sensor Networks (TOSN) *2018-present*

Associate Editor, ACM Transactions on Computing for Healthcare (HEALTH) *2019 present*

Associate Editor, Elsevier Smart Health *2016-present*

Associate Editor, Elsevier Computer Networks *2013-2019*

Associate Editor, IEEE Internet of Things Journal *2014-2018*

Associate Editor, Springer Journal of Computer Science and Technology, published by the Chinese Academy of Natural Sciences *2018-present*

Guest Editor, IEEE Internet Computing, Special Issue on Connected Health *2019*

Guest Editor, IEEE Access, Special Section on Wearable Healthcare Technologies *2017*

Guest Editor, IEEE Internet of Things Journal, Special Issue on Internet of Things for Smart and Connected Health *2014*

Chair Positions on Scholarly Conferences

Steering Committee Member, IEEE/ACM International Conference on Connected Health: Application, Systems and Engineering Technologies (CHASE) *2018-present*

General Chair, IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE) *2019*

Technical Program Vice Chair, chairing the Sensor/Embedded Networks and Pervasive Computing track, the 28^{th} IEEE International Conference on Computer Communications and Networks (ICCCN) *2019*

Technical Program Chair, IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE) *2018*

Technical Program Chair, the 14^{th} EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous) *2017*

Workshop Chair, chairing all workshops at the IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE) *2017*

Work In Progress Chair, chairing the Work In Progress Session of the IEEE International Conference on Pervasive Computing and Communications (PerCom) *2017*

Technical Program Vice Chair, chairing the Mobile, Sensor and Ubiquitous Computing track of the 22^{nd} IEEE International Conference on Parallel and Distributed Systems (ICPADS) *2016*

Workshop Chair, chairing all workshops at the IEEE International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE) *2016*

Technical Program Vice Chair, chairing the Embedded Devices and Medical Applications track of the 10^{th} International Conference on Body Area Networks (BodyNets) *2015*

Technical Program Vice Chair, chairing the Applications and Testbed Evaluation track of the 10^{th} IEEE International Conference on Mobile Ad hoc and Sensor Systems (MASS) *2013*

Technical Program Vice Chair, chairing the Networking track of the 2011 IEEE International Conference on Networking, Architecture, and Storage (NAS) *2011*

COURSES TAUGHT

CSCI790 Readings in Computer Science *Fall 2011 (2 sessions), Fall 2012, Fall 2015 (3 sessions), Fall 2017 (2 sessions), Spring 2018, Fall 2018 and Spring 2020*

CSCI780 Advanced Topics in Ubiquitous Computing, Computer Science *Spring 2019*

CSCI780 Sensors and Ubiquitous Computing, Computer Science *Fall 2012, Spring 2014 and Spring 2015*

CSCI780 Wireless Sensor Networks, Computer Science *Spring 2008, Fall 2009 and Fall 2010*

CSCI766 Directed Studies, Computer Science *Fall 2015*

CSCI710 Research Project, Computer Science *Spring 2008, Fall 2009, Spring 2010, Fall 2010, Fall 2012, Spring 2013, Fall 2013, Fall 2014 (2 sessions), Fall 2015, Spring 2016, Fall 2016, Spring 2017 and Spring 2018*

Law705 legal research/writing, William & Mary Law School *Spring 2016*

CSCI690 Readings in Computer Science *Spring 2008, Spring 2010, Fall 2012, Spring 2013, Fall 2015 and Spring 2017*

CSCI680 Ubiquitous and Mobile Computing, Computer Science *Spring 2016, Fall 2017 and Fall 2019*

CSCI666 Directed Studies, Computer Science *Spring 2016 and Spring 2017*

CSCI634 Advanced Computer Networking, Computer Science *Fall 2011, Fall 2014, Fall 2015 and Fall 2016*

CSCI619 Ubiquitous Mobile Computing, Computer Science *Fall 2021*

CSCI597 Problems in Computer Science *Fall 2017*

CSCI496 Honors, Computer Science *Spring 2011 and Fall 2017*

CSCI495 Honors, Computer Science *Fall 2010 and Spring 2017*

CSCI434 Network Systems and Design, Computer Science *Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2017, Spring 2018, Fall 2018, Spring 2020 and Spring 2021*

CSCI534 Network Systems and Design, Computer Science *Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2017, Spring 2018, Fall 2018 and Spring 2021*

CSCI321 Database Systems, Computer Science *Fall 2007 and Fall 2008*

CSCI320 Directed Study, Computer Science *Spring 2017*

FELLOWSHIPS AND GRANTS

1. "A Minimum Viable Product to Secure IoT Devices through Power Auditing and Privacy Preserved Convolutional Neural Networks," this Cybersecurity Innovation Bridge Fund grant was awarded by the Commonwealth Cyber Initiative (CCI); this was in collaboration with Old Dominion University; I was the leading PI, and W&M was the leading site; $28,667 awarded to me. *2021*

2. "Prototype Development of EARBUD: A Wearable Sensor System for Dietary Monitoring and Personalized Intervention," this GMU CHHS Pilot grant was awarded by College of Health and Human Services, George Mason University (GMU); this was in collaboration with GMU; I was the PI at the W&M site; $20,000 awarded to me. *2021*

3. "SCH: Context-aware Freezing of Gait Mitigation in Real-world Setting," this NIH R01 grant was awarded by the National Institutes of Neurological Disorders and Stroke, National Institutes of Health; this was in collaboration with Virginia Commonwealth University; I was a PI; $315,930 awarded to me. *2020*

4. "Securing IoT Devices through Power Side Channel Auditing and Privacy Preserved Convolutional Neural Networks," awarded by the Coastal Virginia Center for Cyber Innovation (COVA CCI); this was in collaboration with Old Dominion University; I was the leading PI, and W&M was the leading site; $75,000 awarded to me. *2020*

5. "Research Experiences for Undergraduates," awarded by the Computer and Information Science and Engineering Directory of the National Science Foundation (NSF); I was the sole PI; $16,000 awarded to me. *2020*

6. "A Wearable Body Motion Sensing Platform Using Conductive Stretchable Fabric," awarded by the Computer and Information Science and Engineering Directory of the National Science Foundation (NSF); I was the sole PI; $200,000 awarded to me. *2018*

7. "Towards Energy-Efficient Privacy-Preserving Active Authentication of Smartphone Users," awarded by the Computer and Information Science and Engineering Directory of the National Science Foundation (NSF); this is in collaboration with New York Institute of Technology; I was the PI at the W&M site; $204,349 awarded to me. *2016*

8. "Reducing Smartphone Application Delay through Read/Write Isolation," awarded by the Center for Innovative Technology (CIT); I was the sole PI; $99,998 awarded to me. *2015*

9. "Investigating Contextual H-MOG (Hand-movement, -orientation, and -grasp) as a New Modality for Continuous Authentication of Smartphone Users," awarded by the Air Force Research Lab through Defense Advanced Research Projects Agency (DARPA); this is in collaboration with New York Institute of Technology; I was the PI at the W&M site; $195,214 awarded to me. *2013*

10. "CAREER: Exploiting Sensing Diversity and Conquering Communication Reality to Meet User Requirements in Performance-Critical Wireless Sensor Networks," awarded by the Computer and Information Science and Engineering Directory of the National Science Foundation (NSF); I was the sole PI; $459,198 awarded to me. *2013*

11. "Network Traffic Aware Smartphone Energy Savings," awarded by the Computer and Information Science and Engineering Directory of the National Science Foundation (NSF); I was the sole PI; $200, 000 awarded to me. *2012*

12. "Holistic Transparent Performance Assurance within the Crowded Spectrum," awarded by the Computer and Information Science and Engineering Directory of the National Science

Foundation (NSF); this is in collaboration with Michigan State University; I was the leading PI, and W&M is the leading site; $200,000 awarded to me. *2009*

13. "Multi-Scale QoS for Body Sensor Networks," awarded by the Directorate for Engineering of the National Science Foundation (NSF); this is in collaboration with the University of Virginia;l I was the local PI at the W&M site; $175,000 awarded to me. *2009*

14. "Faculty International Travel Grants Competition Award," awarded by William & Mary *$500 in 2010, $400 in 2011, $400 in 2012, $400 in 2014, $400 in 2016, $500 in 2017, $500 in 2018 and $400 in 2019*

15. Research Support from William & Mary Vice Provost for Research and Graduate/Professional Studies, for Evaluating Wearable Fabric Sensors, $3000 *2019*

16. Research Support from William & Mary Technology Transfer Office, for Prototyping Wearable Devices, $12,000 *2015*

17. "Faculty Interdisciplinary Initiatives Grant," awarded by the Andrew W. Mellon Foundation for the Humanities, *$5000 in 2010 and $5000 in 2011*

RESEARCH

Referred Journal Articles

1. Woosub Jung, Amanda Watson, Scott Kuehn, Erik Korem, Ken Koltermann, Minglong Sun, Shuangquan Wang, Zhenming Liu, Gang Zhou, "LAX-Score: Quantifying Team Performance in Lacrosse and Exploring IMU Features towards Performance Enhancement," in *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)*, volume 3, 2021

2. Yantao Li, Peng Tao, Shaojiang Deng, Gang Zhou, "DeFFusion: CNN-based Continuous Authentication Using Deep Feature Fusion," in *ACM Transactions on Sensor Networks*, 2021

3. Yantao Li, Jiaxing Luo, Shaojiang Deng, Gang Zhou, "CNN-based Continuous Authentication on Smartphones with Conditional Wasserstein Generative Adversarial Network," in *IEEE Internet of Things Journal*, 2021

4. Wei Niu, Zhengang Li, Xiaolong Ma, Peiyan Dong, Gang Zhou, Xuehai Qian, Xue Lin, Yanzhi Wang, Bin Ren, "GRIM: A General, Real-Time Deep Learning Inference Framework for Mobile Devices based on Fine-Grained Structured Weight Sparsity," in *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2021

5. Shuangquan Wang, Gang Zhou, Amanda Watson, Lei Xie, Minglong Sun, Woosub Jung, "Wearable Motion Sensor-based Chewing Side Detection," in *Elsevier Smart Health*, 2021

6. Shuangquan Wang, Gang Zhou, Jiexiong Guan, Yongsen Ma, Zhenming Liu, Bin Ren, Hongyang Zhao, Amanda Watson, Woosub Jung, "Inferring Food Types through Sensing and Characterizing Mastication Dynamics," in *Elsevier Smart Health*, 2021

7. Yongsen Ma, Sheheryar Arshad, Swetha Muniraju, Eric Torkildson, Enrico Rantala, Klaus Doppler, Gang Zhou, "Location and Person Independent Activity Recognition with WiFi, Deep Neural Networks and Reinforcement Learning," in *ACM Transactions on Internet of Things*, 2020

8. Xiangmao Chang, Cheng Peng, Guoliang Xing, Tian Hao and Gang Zhou, "ISleep: A Smartphone System for Unobtrusive Sleep Quality Monitoring," in *ACM Transactions on Sensor Networks*, 2020

9. Yantao Li, Hailong Hu, Zhangqian Zhu and Gang Zhou, "SCANet: Sensor-based Continuous Authentication with Two-stream Convolutional Neural Networks," in *ACM Transactions on Sensor Networks*, 2020

10. Minglong Sun, Amanda Watson and Gang Zhou, "Wearable Computing of Freezing of Gait in Parkinson's Disease: A Survey," in *Elsevier Smart Health*, volume 18, pages 1-19, 2020

11. Qihan Wang, Gang Zhou, Zhenming Liu and Bin Ren, "Building a Skeleton-based 3D Body Model with Angle Sensor Data," in *Elsevier Smart Health*, volume 19, pages 1-18, 2020

12. Yantao Li, Xiaoran Peng, Gang Zhou and Hongyang Zhao, "SmartJump: A Continuous Jump Detection Framework on Smartphones," in *IEEE Internet Computing*, vol. 24, no. 2, pp. 18-26, 1 March-April 2020

13. Yantao Li, Bin Zou, Shaojiang Deng and Gang Zhou, "Using Feature Fusion Strategies in Continuous Authentication on Smartphones," in *IEEE Internet Computing*, vol. 24, no. 2, pp. 49-56, 1 March-April 2020

14. Yongsen Ma, Gang Zhou and Shuangquan Wang, "WiFi Sensing with Channel State Information: A Survey," in *ACM Computing Survey*, pages 46:1-46:36, 2019

15. Amanda Watson, Minglong Sun, Samhita Pendyal, Gang Zhou, "TracKnee: Knee Angle Measurement Using Stretchable Conductive Fabric Sensors," in *Elsevier Smart Health*, pages 1-15, 2019, also appeared in *ACM/IEEE CHASE*, 2019

16. Woosub Jung, Hongyang Zhao, Minglong Sun, Gang Zhou, "IoT Botnet Detection via Power Consumption Modeling," in *Elsevier Smart Health*, pages 1-17, 2019, also appeared in *ACM/IEEE CHASE,* 2019, received *2020 Most Downloaded Paper Award*

17. Amanda Watson, Gang Zhou, "BBAid: Using Smartphones to Improve Back Blows," in *Elsevier Smart Health,* pages 1-15, 2019

18. Benjamin Powell, Gang Zhou, Daniel Crear, Kevin Weng, Wouter Deconinck, "Turning Detection in Sandbar Sharks Through Accelerometer Data," in Shen X., Lin X., Zhang K. (eds) *Encyclopedia of Wireless Networks*. Springer, Cham, pages 1-5, 2019

19. Yongsen Ma, Gang Zhou, Shuangquan Wang, Hongyang Zhao, Woosub Jung, "SignFi: Sign Language Recognition using WiFi," in *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)*, pages 23:1-23:21, 2018

20. Qing Yang, Ge Peng, Paolo Gasti, Kiran Balagani, Yantao Li, Gang Zhou, "MEG: Memory and Energy Efficient Garbled Circuit Evaluation on Smartphones," in *IEEE Transactions on Information Forensics and Security (TIFS)*, pages 913-922, 2018

21. Yantao Li, Hailong Hu, Gang Zhou, "Using Data Augmentation in Continuous Authentication on Smartphones," in *IEEE Internet of Things Journal*, pages 628-640, 2018

22. Yantao Li, Hailong Hu, Gang Zhou, Shaojiang Deng, "Sensor-based Continuous Authentication Using Cost-Effective Kernel Ridge Regression," in *IEEE Access*, pages 32554-32565, 2018

23. Shuangquan Wang, Gang Zhou, Yongsen Ma, Lisha Hu, Zhenyu Chen, Yiqiang Chen, Hongyang Zhao, Woosub Jung, "Eating Detection and Chews Counting through Sensing Mastication Muscle Contraction," in *Elsevier Smart Health*, pages 179-191, 2018, also appeared in *ACM/IEEE CHASE*, 2018

24. Hongyang Zhao, Yongsen Ma, Shuangquan Wang, Amanda Watson, Gang Zhou, "MobiGesture: Mobility-Aware Hand Gesture Recognition for Healthcare," in *Elsevier Smart Health*, pages 129-143, 2018, also appeared in *ACM/IEEE CHASE*, 2018

25. Amanda Watson, Gang Zhou, "BreathEZ: Using Smartwatches to Improve Choking First Aid," in *Elsevier Smart Health*, pages 1-13, 2018

26. Hongyang Zhao, Shuangquan Wang, Gang Zhou, Daqing Zhang, "Ultigesture: A Wristband-based Platform for Continuous Gesture Control in Healthcare," in *Elsevier Smart Health*, pages 1-22, 2018

27. Qing Yang, Paolo Gasti, Kiran Balagani, Yantao Li, Gang Zhou, "USB Side-channel Attack on Tor," in Elsevier Computer Networks (COMNET), pages 57-66, 2018

28. Yantao Li, Fengtao Xue, Xinqi Fan, Zehui Qiu, Gang Zhou, "Pedestrian Walking Safety System based on Smartphone Built-in Sensors," in *IET Research Journals*, pages 751-758, 2018

29. Yongsen Ma, Gang Zhou, Shan Lin, Haiming Chen, "RoFi: Rotation-aware WiFi Channel Feedback," in *IEEE Internet of Things Journal*, pages 1684-1695, 2017

30. Haiming Chen, Li Cui, Gang Zhou, "A Light-Weight Opportunistic Forwarding Protocol with Optimized Preamble length for Low-Duty-Cycle Wireless Sensor Networks," in *Springer Journal of Computer Science and Technology (JCST)*, pages 168-180, 2017

31. Qing Yang, Paolo Gasti, Gang Zhou, Aydin Farajidavar, Kiran Balagani, "On Inferring Browsing Activity on Smartphones via USB Power Analysis Side-channel," in *IEEE Transactions on Information Forensics and Security (TIFS)*, pages 1056-1066, 2017

32. Shan Lin, Fei Miao, Jingbin Zhang, Gang Zhou, Gu Lin, Tian He, John A. Stankovic, Sang Son, George Pappas, "ATPC: Adaptive Transmission Power Control for Wireless Sensor Networks," in *ACM Transactions on Sensor Networks (TOSN)*, pages 6:1-6:31, 2016

33. Ge Peng, Gang Zhou, David Nguyen, Xin Qi, Qing Yang, Shuangquan Wang, "Continuous Authentication with Touch Behavioral Biometrics and Voice on Wearable Glasses," in *IEEE Transactions on Human-Machine Systems*, pages 404-416, 2016

34. Dachuan Liu, Haining Wang, Gang Zhou, Weizhen Mao, Boyang Li, "Arbitrating Traffic Contention for Power Saving with Multiple PSM Clients," in *IEEE Transactions on Wireless Communications (TWC)*, pages 7030-7043, 2016

35. Paolo Gasti, Jaroslav Sedenka, Qing Yang, Gang Zhou, Kiran Balagani, "Secure, Fast, and Energy-Efficient Outsourced Authentication for Smartphones," in *IEEE Transactions on Information Forensics and Security (TIFS)*, pages 2256-2571, 2016

36. Kyle Wallace, Kevin Moran, Ed Novak, Gang Zhou, Kun Sun, "Toward Sensor-Based Random Number Generation for Mobile and IoT Devices," in *IEEE Internet of Things Journal*, pages 1189-1201, 2016

37. Xin Qi, Qing Yang, David Nguyen, Ge Peng, Gang Zhou, Bo Dai, Daqing Zhang, Yantao Li, "A Context-aware Framework for Reducing Bandwidth Usage of Mobile Video Chats," in

IEEE Transactions on Multimedia, pages 1640-1649, 2016

38. Daniel Graham, Gang Zhou, "Prototyping Wearables: a Code-First Approach to Designing Embedded Systems," in *IEEE Internet of Things Journal*, pages 806-815, 2016

39. Daniel Graham, Gang Zhou, Ed Novak, Jeffrey Buffkin, "A Smartphone Compatible SONAR Ranging Attachment for 2D Mapping," in *IEEE Internet of Things Journal*, pages 779-786, 2016

40. Zdenka, Sitova, Jaroslav Sedenka, Qing Yang, Ge Peng, Gang Zhou, Paolo Gasti, Kiran Balagani, "HMOG: New Behavioral Biometric Features for Continuous Authentication of Smartphone Users," in *IEEE Transactions on Information Forensics and Security (TIFS)*, pages 877-892, 2016

41. Yantao Li, Gang Zhou, Bin Nie, "Improving Web Performance in Home Broadband Access Networks," in *Springer Wireless Personal Communications*, pages 925-940, 2016

42. Yantao Li, Gang Zhou, Yue Li, Du Shen, "Determining Driver Phone Use Leveraging Smartphone Sensors," in *Springer Multimedia Tools and Applications*, pages 16959-16981, 2016

43. Yantao Li, Gang Zhou, Ge Peng, "Energy Modeling and Optimization for BSN and WiFi Networks using Joint Data Rate Adaptation," in *Ad Hoc & Sensor Wireless Networks*, pages 149-173, 2016

44. Tianben Wang, Daqing Zhang, Xingshe Zhou, Xin Qi, Hongbo Ni, Haipeng Wang, Gang Zhou, "Mining Personal Frequent Routes via Road Corner Detection," in *IEEE Transactions on Systems, Man and Cybernetics: Systems*, pages 445-458, 2015

45. Yantao Li, Gang Zhou, Daniel Graham, Andrew Holtzhauer, "Towards an EEG-based Brain-Computer Interface for Online Robot Control," in *Springer Multimedia Tools and Applications*, pages 7999-8017, 2015

46. Zhen Ren, Xin Qi, Gang Zhou, Haining Wang, David T. Nguyen, "Throughput Assurance for Multiple Body Sensor Networks," in *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, pages 1045-9219, 2015

47. Daniel Graham, George Simmons, David T. Nguyen, Gang Zhou, "A Software Based Sonar Ranging Sensor for Smartphones," in *IEEE Internet of Things Journal*, pages 479-489, 2015

48. Andrew Pyles, David T. Nguyen, Xin Qi, Gang Zhou, "Bluesaver: A Multi PHY Approach to Smartphone Energy Savings," in *IEEE Transactions on Wireless Communications (TWC)*, pages 3367-3377, 2015

49. Shan Lin, Gang Zhou, Motza AI-Hami, Yafeng Wu, Kamin Whitehouse, John Stankovic, Xiaobing Wu, Hengchang Liu, "Towards Stable Network Performance in Wireless Sensor Networks: A Multilevel Perspective," in *ACM Transactions on Sensor Networks (TOSN)*, pages 42:1-42:26, 2015

50. Shuangquan Wang, Gang Zhou, "A Review on Radio Based Activity Recognition," in *Elsevier Digital Communications and Networks*, pages 20-29, 2015 (Invited Paper)

51. Matthew Keally, Gang Zhou, Guoliang Xing, David T. Nguyen, Xin Qi, "A Learning-based Approach to Confident Event Detection in Heterogeneous Sensor Networks," in *ACM Transactions on Sensor Networks (TOSN)*, pages 10:1-10:28, 2014

52. Zhen Ren, Xin Qi, Gang Zhou, Haining Wang, "Exploiting the Data Sensitivity of Neurometric Fidelity for Optimizing EEG Sensing," in *IEEE Internet of Things Journal*, pages 243-254, 2014

53. Hengchang Liu, Pan Hui, Zhiheng Xie, Jingyuan Li, David Siu, Gang Zhou, Liusheng Huang, John A. Stankovic, "Providing Reliable and Real-time Delivery in the Presence of Body Shadowing in Breadcrumb Systems," in *ACM Transactions in Embedded Computing Systems (TECS)*, pages 94:1–94:24, 2014

54. Conner Kasten, Gang Zhou, "Typed VoIP Silence Prediction for Smartphone Energy Savings," in *Springer Wireless Personal Communications*, pages 1959-1973, 2014

55. Yantao Li, Gang Zhou, George Ruddy, Bruce Cutler, "A Measurement-based Prioritization Scheme for Smartphone Applications," in *Springer Wireless Personal Communications*, pages 333-346, 2014

56. Yantao Li, Gang Zhou, Nan Zheng, Liang Hong, "An Adaptive Backoff Algorithm for Multichannel CSMA in Wireless Sensor Networks," in *Springer Neural Computing and Applications*, pages 1845–1851, 2014

57. Yantao Li, Daniel Graham, Gang Zhou, Xin Qi, Shaojiang Deng, Di Xiao, "Discrete-time Markov Model for Wireless Link Burstiness Simulations," in *Springer Wireless Personal Communications*, pages 987–1004, 2013

58. Yantao Li, Di Xiao, Shaojiang Deng, Gang Zhou, "Improvement and Performance Analysis of a Novel Hash Function based on Chaotic Neural Network," in *Springer Neural Computing and Applications*, pages 391-402, 2013

59. Yantao Li, Xin Qi, Matthew Keally, Zhen Ren, Gang Zhou, Di Xiao, Shaojiang Deng, "Communication Energy Modeling and Optimization through Joint Packet Size Analysis of BSN and WiFi Networks," in *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, pages 1741 - 1751, 2013

60. Tian He, Pascal A. Vicaire, Ting Yan, Liqian Luo, Lin Gu, Gang Zhou, Radu Stoleru, Qing Cao, John A. Stankovic, Tarek Abdelzaher, "Achieving Real-Time Target Tracking Using Wireless Sensor Networks," in *ACM Transactions in Embedded Computing Systems (TECS)*, pages 1-37, 2011

61. Gang Zhou, Qiang Li, Jingyuan Li, Yafeng Wu, Shan Lin, Jian Lu, Chieh-Yih Wan, Mark D. Yarvis, John A. Stankovic, "Adaptive and Radio-Agnostic QoS for Body Sensor Networks," in *ACM Transactions in Embedded Computing Systems (TECS)*, pages 1-34, November 2011

62. Robert Thompson, Gang Zhou, Lei Lu, Sudha Krishnamurthy, Hover Dong, Xin Qi, Yantao Li, Matthew Keally, Zhen Ren, "A Self-Adaptive Spectrum Management Middleware for Wireless Sensor Networks," in *Springer Wireless Personal Communications*, pages 131-151, November 2011

63. Liang Hong, Gang Zhou, Bo Liu, Sang Son, "Continuous Location Dependent Queries in Mobile Wireless Sensor Networks," in *Springer Wireless Personal Communications*, pages 153-173, November 2011

64. Yantao Li, Di Xiao, Shaojiang Deng, Qi Han, Gang Zhou, "Parallel Hash Function Construction Based on Chaotic Maps with Changeable Parameters," in *Springer Neural Computing and Applications*, pages 1305-1312, February 2011

65. Qiang Liu, Xue Liu, Jinglun Zhou, Gang Zhou, Guang Jin, Quan Sun, Min Xi, "AdaSynch: A General Adaptive Clock Synchronization Scheme Based on Kalman Filter for WSNs," in *Springer Wireless Personal Communications*, pages 217-239, August 2010

66. Gang Zhou, Yafeng Wu, Ting Yan, Tian He, Chengdu Huang, John A. Stankovic, Tarek F. Abdelzaher, "A Multifrequency MAC Specially Designed for Wireless Sensor Network Applications," in *ACM Transactions in Embedded Computing Systems (TECS)*, pages 1-41, March 2010

67. Pascal Vicaire, Tian He, Qing Cao, Ting Yan, Gang Zhou, Lin Gu, Liqian Luo, Radu Stoleru, John A. Stankovic, Tarek F. Abdelzaher, "Achieving Long-Term Surveillance in VigilNet," in *ACM Transactions on Sensor Networks (TOSN)*, pages 1-39, February 2009

68. Gang Zhou, Tian He, Sudha Krishnamurthy, John A. Stankovic, "Models and Solutions for Radio Irregularity in Wireless Sensor Networks," in *ACM Transactions on Sensor Networks (TOSN)*, pages 221-262, May 2006

69. Tian He, Sudha Krishnamurthy, Liqian Luo, Ting Yan, Radu Stoleru, Gang Zhou, Qing Cao, Pascal Vicaire, John A. Stankovic, Tarek F. Abdelzaher, Jonathan Hui, Bruce Krogh, "VigilNet: An Integrated Sensor Network System for Energy-Efficient Surveillance," in *ACM Transactions on Sensor Networks (TOSN)*, pages 1-38, February 2006

Referred Conference Papers

1. Amanda Watson, Andrew Lyubovsky, Kenneth Koltermann, Gang Zhou, "Magneto: Joint Motion Analysis Using an Electromagnet-Based Sensing Method," in *ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN)*, Nashville, Tennessee, 2021

2. Zefan Ge, Lei Xie, Shuangquan Wang, Xinran Lu, Chuyu Wang, Gang Zhou, Sanglu Lu, "Mag-Barcode: Magnet Barcode Scanning for Indoor Pedestrian Tracking," in *The* 28^{th} *ACM/IEEE International Symposium on Quality of Service (IWQoS)*, pages 1-10, Hangzhou, China, 2020

3. Hongyang Zhao, Shuangquan Wang, Gang Zhou, Woosub Jung, "TennisEye: Tennis Ball Speed Estimation using a Racket-mounted Motion Sensor," in *The* 18^{th} *ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN)*, Montreal, Canada, pages 241-252, 2019

4. Yukun Yuan, Gang Zhou, Shan Lin, "QoE Control for Dynamic Adaptive Video Streaming over HTTP at Access Point," in *IEEE International Conference on Industrial Internet (ICII)*, Orlando, pages 1-10, 2019

5. Daniel Graham, Arnold Yim, Gang Zhou, Weizhen Mao, "Real-Time Encoding/Decoding For Pairwise Communication Over An Unreliable Sensor Network," in *The* 8^{th} *International Conference on Sensor Networks*, Prague, pages 1-8, 2019

6. Kyle Wallace, Gang Zhou, Kun Sun, "CADET: Investigating a Collaborative and Distributed Entropy Transfer Protocol," in *Proceedings of The 38th IEEE International Conference on Distributed Computing Systems (ICDCS)*, Austria, pages 797-807, 2018

7. Hailong Hu, Yantao Li, Zhangqian Zhu, Gang Zhou, "CNNAuth: Continuous Authentication via Two-stream Convolutional Neural Networks," in *IEEE the 13th International Conference on Networking, Architecture, and Storage (NAS)*, Chongqing, China, pages 1-9, 2018

8. Lele Ma, Yantao Li, Gang Zhou, "A Video Optimization Framework for Tracking Teachers in the Classroom," in *The* 2^{nd} *ACSIC Symposium on Frontiers in Computing*, pages 1-5, Dallas, 2018

9. Hongyang Zhao, Shuangquan Wang, Gang Zhou, Daqing Zhang, "Gesture-enabled Remote Control for Healthcare," in *Proceedings of The 2nd IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE)*, pages 392-401, Philadelphia, 2017

10. Yongsen Ma, Gang Zhou, Shan Lin, "EliMO: Eliminating Channel Feedback from MIMO," in *Proceedings of The* 3^{rd} *IEEE International Conference on Smart Computing (Smartcomp)*, pages 1-8, Hong Kong, 2017

11. David Nguyen, Hongyang Zhao, Gang Zhou, Ge Peng, Guoliang Xing, Xin Qi, "iRAM: Sensing Memory Needs of My Smartphone," in *Proceedings of The* 12^{th} *IEEE International Conference on Wireless and Mobile Computing, Networking and Communications*, pages 1-10, New York, 2016

12. Ge Peng, Gang Zhou, David Nguyen, Xin Qi, Shan Lin, "HIDE: AP-assisted Broadcast Traffic Management to Save Smartphone Energy," in *The 36th IEEE International Conference on Distributed Computing Systems (ICDCS)*, pages 509-518, Nara, Japan, 2016

13. Tian Hao, Guoliang Xing, Gang Zhou, "RunBuddy: A Smartphone System for Running Rhythm Monitoring," in *Proceedings of The* 17^{th} *ACM International Conference on Ubiquitous Computing (Ubicomp)*, pages 133-144, Osaka, Japan, 2015

14. David T. Nguyen, Gang Zhou, Guoliang Xing, Xin Qi, Zijiang Hao, Ge Peng, Qing Yang, "Reducing Smartphone Application Delay through Read/Write Isolation," in *Proceedings of The* 13^{th} *International Conference on Mobile Systems, Applications and Services (MobiSys)*, pages 287-300, Florence, Italy, 2015

15. Xin Qi, Qing Yang, David Nguyen, Gang Zhou, Ge Peng, "LBVC: Towards Low-bandwidth Video Chat on Smartphones," in *Proceedings of The* 6^{th} *ACM Multimedia Systems Conference (MMSys)*, pages 1-12, Portland, Oregon, 2015

16. Ge Peng, Gang Zhou, David Nguyen, Xin Qi, "All or None? The Dilemma of Handling WiFi Broadcast Traffic in Smartphone Suspend Mode," in *Proceedings of The 34th Annual IEEE International Conference on Computer Communications (INFOCOM)*, pages 1212-1220, Hong Kong, 2015

17. Iberedem Ekure, Shuangquan Wang, Gang Zhou, "A Theoretical Analysis of Path Loss Based Activity Recognition," in *Proceedings of The* 11^{th} *IEEE International Conference on Mobile Ad hoc and Sensor Systems (MASS)*, pages 277-281, Philadelphia, Pennsylvania, 2014

18. Jun Huang, Guoliang Xing, Gang Zhou, "Unleashing exposed terminals in enterprise WLANs: A rate adaptation approach," in *Proceedings of The* 33^{rd} *Annual IEEE International Conference on Computer Communications (INFOCOM)*, pages 2481-2489, Toronto, ON, Canada, 2014

19. Tian Hao, Guoliang Xing, Gang Zhou, "iSleep: Unobtrusive Sleep Quality Monitoring using Smartphones," in *Proceedings of the* 11^{th} *ACM Conference on Embedded Networked Sensor Systems (SenSys)*, pages 4:1-4:14, Rome, Italy, 2013

20. David T. Nguyen, Gang Zhou, Xin Qi, Ge Peng, Jianing Zhao, Tommy Nguyen, Duy Le, "Storage-aware Smartphone Energy Savings," in *Proceedings of The 2013 ACM International*

Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp), pages 677-686, Zurich, Switzerland, 2013

21. Matthew Keally, Gang Zhou, Guoliang Xing, Jianxin Wu, "Remora: Sensing Resource Sharing Among Smartphone-based Body Sensor Networks," in *Proceedings of ACM/IEEE The* 21^{st} *International Symposium on Quality of Service (IWQoS)*, pages 1-10, 2013

22. Xin Qi, Matthew Keally, Gang Zhou, Yantao Li, Zhen Ren, "AdaSense: Adapting Sampling Rates for Activity Recognition in Body Sensor Networks," in *Proceedings of the* 19^{th} *IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS)*, pages 163-172, Philadelphia, PA, 2013

23. Xin Qi, Gang Zhou, Yantao Li, Ge Peng, "RadioSense: Exploiting Wireless Communication Patterns for Body Sensor Network Activity Recognition," in *Proceedings of the* 33^{rd} *IEEE Real-Time Systems Symposium (RTAS)*, pages 95-104, San Juan, Puerto Rico, December 2012

24. Andrew Pyles, Xin Qi, Gang Zhou, Matthew Keally, Xue Liu, "SAPSM: Smart Adaptive 802.11 PSM for Smartphones," in *Proceedings of the* 14^{th} *ACM International Conference on Ubiquitous Computing (Ubicomp)*, pages 11-20, Pittsburg, PA, September 2012

25. Yantao Li, Ge Peng, Xin Qi, Gang Zhou, Di Xiao, Shaojiang Deng, Hongyu Huang, "Towards Energy Optimization Using Joint Data Rate Adaptation for BSN and WiFi Networks," in *Proceedings of the* 7^{th} *IEEE International Conference on Networking, Architecture, and Storage (NAS)*, pages 1-8, Xiamen, China, June 2012

26. Matthew Keally, Gang Zhou, Guoliang Xing, Jianxin Wu, Andrew Pyles, "PBN: Towards Practical Activity Recognition Using Smartphone-Based Body Sensor Networks," in *Proceedings of the* 9^{th} *ACM Conference on Embedded Networked Sensor Systems (SenSys)*, pages 246-259, Seattle, WA, November 2011

27. Andrew Pyles, Zhen Ren, Gang Zhou, Xue Liu, "SiFi: Exploiting VOIP Silence for WiFi Energy Savings in Smart Phones," in *Proceedings of the* 13^{th} *ACM International Conference on Ubiquitous Computing*, pages 325-334, Beijing, China, September 2011

28. Matthew Keally, Gang Zhou, Guoliang Xing, Jianxin Wu, "Exploiting Sensing Diversity for Confident Sensing in Wireless Sensor Networks," in *Proceedings of the 30th IEEE International Conference on Computer Communications (INFOCOM)*, pages 1719-1727, Shanghai, China, March 2011

29. Zhen Ren, Gang Zhou, Andrew Pyles, Matthew Keally, Weizhen Mao, Haining Wang, "BodyT2: Throughput and Time Delay Performance Assurance for Heterogeneous BSNs," in *Proceedings of the* 30^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 2750-2758, Shanghai, China, March 2011

30. Yantao Li, Xin Qi, Zhen Ren, Gang Zhou, Di Xiao, Shaojiang Deng, "Energy Modeling and Optimization through Joint Packet Size Analysis of BSN and WiFi Networks," in *Proceedings of the* 30^{th} *IEEE International Performance Computing and Communications Conference (IPCCC)*, pages 1-8, Orlando, FL, November 2011

31. Jun Huang, Guoliang Xing, Gang Zhou, "Beyond Co-existence: Exploring WiFi White Space for ZigBee Performance Assurance," in *Proceedings of the 18th IEEE International Conference on Network Protocols (ICNP)*, pages 305-314, Kyoto, Japan, October 2010; *Best Paper Award,* selected from 170 submissions

32. Matt Keally, Gang Zhou, Guoliang Xing, "Watchdog: Confident Event Detection in Heterogeneous Sensor Networks," in *Proceedings of the* 16^{th} *IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS)*, pages 279-288, Stockholm, Sweden, April 2010

33. Yafeng Wu, Gang Zhou, John A. Stankovic, "ACR: Active Collision Recovery in Dense Wireless Sensor Networks," in *Proceedings of the* 29^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 911-919, San Diego, CA, March 2010

34. Guoliang Xing, Mo Sha, Jun Huang, Gang Zhou, Xiaorui Wang, Shucheng Liu, "Multi-channel Interference Measurement and Modeling in Low-Power Wireless Networks," in *Proceedings of the* 30^{th} *IEEE Real-Time Systems Symposium (RTSSS)*, pages 248-257, Washington, D.C., December 2009

35. Shan Lin, Gang Zhou, Kamin Whitehouse, Yafeng Wu, John A. Stankovic, Tian He, "Towards Stable Network Performance in Wireless Sensor Networks," in *Proceedings of the 30th IEEE Real-Time Systems Symposium (RTSS)*, pages 227-237, Washington, D.C., December 2009

36. Gang Zhou, Sachin Shetty, George Simmons, Min Song, "PLL Based Time Synchronization in Wireless Sensor Networks," in *Proceedings of the* 15^{th} *IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA)*, pages 51-56, Beijing, China, August 2009

37. Matthew Keally, Gang Zhou, Guoliang Xing, "Sidewinder: A Predictive Data Forwarding Protocol for Mobile Wireless Sensor Networks," in *Proceedings of the* 5^{th} *Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON)*, pages 538-546, Rome, Italy, June 2009

38. Gang Zhou, Lei Lu, Sudha Krishnamurthy, Matthew Keally, Zhen Ren, "SAS: Self-Adaptive Spectrum Management for Wireless Sensor Networks," in *Proceedings of the* 18^{th} *International Conference on Computer Communications and Networks (ICCCN)*, pages 1-6, San Francisco, CA, August 2009

39. Yafeng Wu, Matthew Keally, Gang Zhou, Weizhen Mao, "Traffic-Aware Channel Assignment in Wireless Sensor Networks," in *Proceedings of the* 4^{th} *International Conference on Wireless Algorithms, Systems, and Applications*, pages 479-488, Boston, MA, August 2009

40. Mo Sha, Guoliang Xing, Gang Zhou, Shucheng Liu, Xiaorui Wang, "C-MAC: Model-driven Concurrent Medium Access Control for Wireless Sensor Network ," in *Proceedings of the* 28^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 1845-1853, Rio de Janeiro, Brazil, March 2009

41. Qiang Li, John A. Stankovic, Mark Hanson, Adam Barth, John Lach, Gang Zhou, "Accurate, Fast Fall Detection Using Gyroscopes and Accelerometer-Derived Posture Information," in *Proceedings of the* 6^{th} *International Workshop on Wearable and Implantable Body Sensor Networks (BSN)*, pages 138-143, Berkeley, CA, June 2009

42. Jingbin Zhang, Gang Zhou, Sang H. Son, John A. Stankovic, Kamin Whitehouse, "Performance Analysis of Group Based Detection for Sparse Sensor Networks," in *Proceedings of the* 28^{th} *IEEE International Conference on Distributed Computing Systems (ICDCS)*, pages 111-122, Beijing, China, June 2008

43. Gang Zhou, Jian Lu, Chieh-Yih Wan, Mark D. Yarvis, John A. Stankovic, "BodyQoS: Adaptive and Radio-Agnostic QoS for Body Sensor Networks," in *Proceedings of the* 27^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 565-573, Phoenix,

AZ, April 2008

44. Anthony D. Wood, John A. Stankovic, Gang Zhou, "DEEJAM: Defeating Energy-Efficient Jamming in IEEE 802.15.4-based Wireless Networks," in *Proceedings of the* 3^{rd} *Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON)*, pages 60-69, San Diego, California, June 2007

45. Jingbin Zhang, Gang Zhou, Chengdu Huang, Ting Yan, Sang H. Son, John A. Stankovic, "TMMAC: An Energy Efficient Multi-Channel MAC Protocol for Ad Hoc Networks," in *Proceedings of the 2007 IEEE International Conference on Communications (ICC)*, pages 3554-3561, Glasgow, Scotland, June 2007

46. Gang Zhou, Chengdu Huang, Ting Yan, Tian He, John A. Stankovic, Tarek F. Abdelzaher, "MMSN: Multi-Frequency Media Access Control for Wireless Sensor Networks," in *Proceedings of the* 25^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 1-12, Barcelona, Spain, April 2006

47. Tian He, Pascal A. Vicaire, Ting Yan, Liqian Luo, Lin Gu, Gang Zhou, Radu Stoleru, Qing Cao, John A. Stankovic, Tarek F. Abdelzaher, "Achieving Real-Time Target Tracking Using Wireless Sensor Networks," in *Proceedings of the* 12^{th} *IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS)*, pages 37-48, San Jose, California, April 2006, *Best Paper Finalist*

48. Tian He, Pascal Vicaire, Ting Yan, Qing Cao, Gang Zhou, Lin Gu, Liqian Luo, Radu Stoleru, John A. Stankovic, Tarek F. Abdelzaher, "Achieving Long-Term Surveillance in VigilNet," in *Proceedings of the* 25^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 1-12, Barcelona, Spain, April 2006

49. Shan Lin, Jingbin Zhang, Gang Zhou, Lin Gu, Tian He, John A. Stankovic, "ATPC: Adaptive Transmission Power Control for Wireless Sensor Networks," in *Proceedings of the* 4^{th} *ACM Conference on Embedded Networked Sensor Systems (SenSys)*, pages 223-236, Boulder, Colorado, November 2006

50. Liqian Luo, Tian He, Gang Zhou, Lin Gu, Tarek A. Abdelzaher, John A. Stankovic, "Achieving Repeatability of Asynchronous Events in Wireless Sensor Networks with EnviroLog," in *Proceedings of the* 25^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 1-14, Barcelona, Spain, April 2006

51. Leo Selavo, Gang Zhou, John A. Stankovic, "SeeMote: In-Site Visualization and Logging Device for Wireless Sensor Networks," in *Proceedings of the 3rd IEEE/CreateNet International Workshop on Broadband Advanced Sensor Networks*, pages 1-9, San Jose, CA, October 2006

52. Sudha Krishnamurthy, Tian He, Gang Zhou, John A. Stankovic, Sang H. Son, "RESTORE: A Real-time Event Correlation and Storage Service for Sensor Networks," in *Proceedings of 3rd International Workshop on Networked Sensing Systems (INSS)*, pages 1-9, Chicago, Illinois, May 2006

53. Gang Zhou, Tian He, John A. Stankovic, Tarek F. Abdelzaher, "RID: Radio Interference Detection in Wireless Sensor Networks," in *Proceedings of the* 24^{th} *IEEE International Conference on Computer Communications (INFOCOM)*, pages 891-901, Miami, Florida, March 2005

54. Tian He, Liqian Luo, Ting Yan, Lin Gu, Qing Cao, Gang Zhou, Radu Stoleru, Pascal Vicaire, Qiuhua Cao, John A. Stankovic, Sang H. Son, Tarek F. Abdelzaher, "An Overview of the

VigilNet Architecture," in *Proceedings of the* 11^{th} *IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA)*, pages 109-114, Hong Kong, August 2005

55. Chengdu Huang, Gang Zhou, Tarek F. Abdelzaher, Sang H. Son, John A. Stankovic, "Load Balancing in Bounded-Latency Content Distribution," in *Proceedings of the* 25^{th} *IEEE Real-Time Systems Symposium (RTSS)*, pages 50-61, Miami, Florida, December 2005

56. Gang Zhou, Tian He, Sudha Krishnamurthy, John A. Stankovic, "Impact of Radio Irregularity on Wireless Sensor Networks," in *Proceedings of the* 2^{nd} *ACM International Conference on Mobile Systems, Applications, and Services (MobiSys)*, pages 125-138, Boston, Massachusetts, June 2004

Referred Workshop/Demo/Poster/White Papers

1. Qianru Wang, Bin Guo, Ge Peng, Gang Zhou, Zhiwen Yu, "CrowdWatch: Pedestrian Safety Assistance with Mobile Crowd Sensing," in *Proceedings of The 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp)*, poster, pages 217-220, Heidelberg, Germany

2. Amanda Watson, Gang Zhou, "Microsleep Prediction Using an EKG Capable Heart Rate Monitor," in *Proceedings of The* 1^{st} *IEEE Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE)*, poster, pages 328-329, Washington DC, USA

3. Shuangquan Wang, Gang Zhou, Lisa Hu, Zhenyu Chen, Yiqiang Chen, "CARE: Chewing Activity Recognition Using Noninvasive Single Axis Accelerometer," in *Proceedings of The 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp)*, poster, pages 109-112, Osaka, Japan, 2015

4. Ge Peng, David T. Nguyen, Gang Zhou, Shuangquan Wang, "Poster: A Continuous and Noninvasive user Authentication System for Google Glass," in *Proceedings of The* 13^{th} *International Conference on Mobile Systems, Applications, and Services (MobiSys)*, pages 487-487, Florence, Italy, 2015

5. Qing Yang, Ge Peng, Xin Qi, David T. Nguyen, Gang Zhou, Zdenka Sitova, Paolo Gasti, Kiran S. Balagani, "A Multimodal Data Set for Evaluating Continuous Authentication Performance in Smartphones," in *Proceedings of The 12th ACM Conference on Embedded Networked Sensor Systems (SenSys)*, poster, pages 358-359, Memphis, TN, 2014

6. David T. Nguyen, Ge Peng, Daniel Graham, Gang Zhou, Guoliang Xing, "Smartphone Application Launch with Smarter Scheduling," in *Proceedings of The 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp)*, poster, pages 131-134, Seattle, 2014

7. David T. Nguyen, Gang Zhou, Guoliang Xing, "Study of Storage Impact on Smartphone Application Delay," in *Proceedings of The* 12^{th} *International Conference on Mobile Systems, Applications, and Services (MobiSys)*, video, pages 389-389, Bretton Woods, NH, 2014

8. David T. Nguyen, Gang Zhou, Guoliang Xing, "Poster: Towards Reducing Smartphone Application Delay through Read/Write Isolation," in *The* 12^{th} *International Conference on Mobile Systems, Applications, and Services (MobiSys)*, poster, pages 378-378, Bretton Woods, NH, 2014

9. Xin Qi, Qing Yang, David T. Nguyen, Gang Zhou, "Context-aware Frame Rate Adaption for Video Chat on Smartphones," in *Proceedings of The 2013 ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp)*, pages 111-114, Zurich, Switzerland, 2013

10. Gang Zhou, "Confident Sensor Collaboration with Machine Learning," in *NSF Workshop on Pervasive Computing at Scale*, white paper, pages 1-2, January 2011

11. Qiang Li, Gang Zhou, John A. Stankovic, "Accurate, Fast Fall Detection Method Using Posture and Context Information ," in *Proceedings of the* 6^{th} *ACM Conference on Embedded Networked Sensor Systems (SenSys)*, poster abstract, pages 443-444, Raleigh, NC, November 2008

12. Shan Lin, Gang Zhou, Yafeng Wu, Kamin Whitehouse, John A. Stankovic, Tian He, "Achieving Stable Network Performance for Wireless Sensor Networks," in *Proceedings of the* 6^{th} *ACM Conference on Embedded Networked Sensor Systems (SenSys)*, poster abstract, pages 453-454, Raleigh, NC, November 2008

13. Gang Zhou, Chieh-Yih Wan, Mark D. Yarvis, John A. Stankovic, "Aggregator-Centric QoS for Body Sensor Networks," in *IPSN'07] Proceedings of the 2007 ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN)*, demo, pages 539-540, Cambridge, MA, April 2007

14. Gang Zhou, John A. Stankovic, Sang F. Son, "Crowded Spectrum in Wireless Sensor Networks," in *Proceedings of the* 3^{rd} *Workshop on Embedded Networked Sensors (EmNets)*, pages 1-5, Cambridge, MA, May 2006

15. Jingbin Zhang, Gang Zhou, Sang H. Son, John A. Stankovic, "Ears on the Ground: Acoustic Streaming Service in Wireless Sensor Networks ," in *Proceedings of the 2006 ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN)*, demo, pages 1-2, Nashville, Tennessee, April 2006

Patents

1. David Nguyen, Gang Zhou, Xin Qi, "Method of Conserving Power Based on Electronic Device's I/O Pattern," this patent was awarded in 2015 with US Patent No. 9026819 B2

2. Andrew Pyles, Gang Zhou, Zhen Ren, "Method/system for conserving resources during conversation over wireless network transport media," this patent was awarded in 2013 with US Patent No. 8488505 B2

3. Amanda Watson, Andrew Lyubovsky, Gang Zhou, "Magnetic-Based Motion Monitoring for Two Objects Sharing a Common Joint," this patent was filed in 2020 with US Application No. 16/743,502

Funding Proposal Review & Panel Service

NSF proposal review panelist *2008, 2011, 2012, 2015 (twice), 2016, 2017 (3 times), 2018 (twice), 2019, 2020, 2021 (twice)*

NIH proposal review panelist *2012, 2016*

Virginia Commonwealth Cyber Initiative proposal review *2020, 2021*

GENI proposal review panelist *2010, 2013*

National Research Council Canada proposal review *2019*

Hong Kong research proposal review *2019-2020*

Singapore research proposal review *2019*

CONICYT (Chile) proposal review *2015*

ACM SenSys Doctoral Colloquium panelist *2011*

IEEE CCW Panelist on Mobile Computing *2014*

MIPS (Maryland Industrial Partnerships Program) proposal review *2015*

Invited Scholarly Talks

1. Invited Talk "Getting a PhD: Myths and Facts" at the Department of Physics, Computer Science and Engineering, Christopher Newport University *2019*
2. Invited Colloquium Talk "Sign Language Recognition Using WiFi" at the School of Computer Science and Engineering, Nanyang Technological University *2018*
3. Invited Colloquium Talk "Sign Language Recognition Using WiFi" at the Institute of Software, Tsinghua University *2018*
4. Invited Colloquium Talk "Sign Language Recognition Using WiFi" at Resources Development and Knowledge Organization Center, Chinese Academy of Science *2018*
5. Invited Colloquium Talk "Sign Language Recognition Using WiFi" at the Institute of Software, Beihang University *2018*
6. Invited Colloquium Talk "Pushing Down User Information to Enhance Smart Device System Design" at Computer Science Department, City University of Hong Kong *2017*
7. Invited Colloquium Talk "Pushing Down User Information to Enhance Smart Device System Design" at the Department of Computing, Hong Kong Polytechnic University *2017*
8. Invited Keynote Talk "Pushing Down User Information to Enhance Smart Device System Design" at The First International Workshop on Mobile and Pervasive Internet of Things (PerIoT), Hawaii *2017*
9. Invited Colloquium Talk "Pushing Down User Information to Enhance Smart Device System Design" at the Center for Cybersecurity Education and Research, Old Dominion University *2017*
10. Invited IEEE IES/CIS Chapter Seminar Talk "Pushing Down User Information to Enhance Smart Device System Design" at North Carolina State University *2017*
11. Invited Colloquium Talk "Reducing Smartphone Application Delay & Energy Consumption through Storage I/O Optimization at the Institute of Software, Beijing University *2016*
12. Invited Colloquium Talk "Reducing Smartphone Application Delay through Read/Write Isolation" at the Institute of Computing Technology, Chinese Academy of Science *2015*
13. Invited Colloquium Talk "Reducing Smartphone Application Delay & Energy Consumption through Storage I/O Optimization" at the School of Computer Science and Technology, Shandong University *2015*

14. Invited Colloquium Talk "Reducing Smartphone Application Delay through Read/Write Isolation at the College of Computer and Information Science, Southwest University *2015*

15. Invited Panel Talk "Pushing Down Human Information to Enhance Smartphone MAC Design" at The 28^{th} IEEE Annual Computer Communications Workshop *2014*

16. Invited Colloquium Talk "Smartphone-centered Body Networks" at the College of Computer and Information Science, Southwest University *2014*

17. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at the Department of Computer Science and Engineering, University of Arkansas *2014*

18. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at the School of Computer Science and Technology, University of Science and Technology of China *2013*

19. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at Computer Science Department, Wuhan University *2013*

20. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at Computer Science Department, Wuhan University of Technology *2013*

21. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at the College of Computer and Information Science, Southwest University *2013*

22. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at Computer Science Department, Nanjing University *2013*

23. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at the College of Computer Science, Zhejiang University *2013*

24. Invited Colloquium Talk "Smartphone Energy Savings through Learning and Traffic Analysis" at the Institute of Computing Technology, Chinese Academy of Science *2013*

25. Invited Graduate Seminar Talk "Network Traffic Aware Smartphone Energy Savings" at the Department of Electrical and Computer Engineering, Old Dominion University *2013*

26. Invited Colloquium Talk "Achieving Confident and Practical Body Sensor Networks" at Information System Department, University of Maryland Baltimore County *2012*

27. Invited Colloquium Talk "Towards Achieving Confident Wireless Sensor Networks" at the Department of Computer and Information Science, Temple University *2011*

28. Invited CIS SIGNET Talk "Towards Creating Confident Wireless Sensor Networks" at the Department of Computer and Information Sciences, University of Delaware *2011*

29. Invited Colloquium Talk "Towards Creating Confident Wireless Sensor Networks" at the Institute of Computing Technology, Chinese Academy of Science *2011*

30. Invited Seminar Talk "Providing Sensing and Communication Confidence for Performance-critical Wireless Sensor Networks" at Computer Science Department, Virginia Commonwealth University *2010*

31. Invited Colloquium Talk "Quality of Service for Body Sensor Networks" at Computer Science Department, Nanjing University *2009*

32. Invited Colloquium Talk "Quality of Service for Body Sensor Networks" at the College of Computer Science, Sichuan University *2009*

33. Invited Talk "Achieving Reliable Data Collection During Emergency Response" at Hampton Roads Technology Council Sensors World, Williamsburg, VA *2007*

PROFESSIONAL SERVICE

University Committee Service

Financial Conflict of Interest Committee	*2018-present*
International Studies Advisory Committee	*2017-2020*
Parking Advisory Committee	*2017-present*
Admission Policy Advisory Committee	*2016-2019*
Arts & Sciences Committee on Graduate Studies (COGS)	*2015-2017*
Arts & Sciences Graduate Awards Committee, Arts Sciences	*2011-2013*
Arts & Sciences Freshman Advisor, Academic Advising Program	*2010-present*
Judge panelist of the 1^{st} Annual Business Model Competition, Mason School of Business	*2016*
Judge panelist of William & Mary 3 Day Startup, Mason School of Business	*2016*

Departmental Service

Graduate Program Director	*2015-2017*
Chair of the Awards and Prizes Committee	*2017-present*
Chair of the Graduate Admissions Committee	*2015-2017*
Chair of the Colloquium Committee	*2012 and 2014-2015*
Recruiting Outreach Committee	*2019-present*
Faculty Recruiting Committee	*2014-2017, 2019-present*
Personnel Committee	*2013-present*
Colloquium Committee	*2011*
Graduate Curriculum Committee	*2010-2017 and 2018-2019*
Graduate Admissions Committee	*2009-2015*
Web Presence Committee	*2007-2011*
System Committee	*2007-2009*
Chair of PhD Degree Dissertation Committees for 16 students	*2007-present*
PhD Degree Dissertation Committees for 31 additional students	*2007-present*
Chair of Master's Degree Comprehensive Exam Committees for 13 students	*2007-present*
Master's Degree Comprehensive Exam Committees for 15 additional students	*2007-present*
Chair of Undergraduate Honors Thesis Exam Committee for 2 students	*2018-present*
Undergraduate Honors Thesis Exam Committee for 1 additional student	*2013*

Graduated PhDs

1. Amanda Watson, PhD, May 2020, dissertation title: Wearable Technology for Healthcare and Athletic Performance, initial placement at University of Pennsylvania.
2. Shuangquan Wang, PhD, May 2020, dissertation title: Dietary Monitoring through Sensing Mastication Dynamics, initial placement at Salisbury University as an Assistant Professor.
3. Yongsen Ma, PhD, January 2020, dissertation title: Improving WiFi Sensing and Networking with Channel State Information, initial placement at Bosch Research, Sunnyvale, CA.
4. Hongyang Zhao, PhD, January 2020, dissertation title: Motion Sensors-based Human Behavior Recognition and Analysis, initial placement at Wish, CA as a Software Engineer.

5. Kyle Wallace, PhD, August 2018, dissertation title: Understanding and Enriching Randomness within Resource-Constrained Devices, initial placement at MITRE, MA as an Industrial Control Systems Engineer.
6. Qing Yang, PhD, January 2018, dissertation title: Exploiting Power for Smartphone Security and Privacy, initial placement at Gemalto, VA as an Algorithm Engineer.
7. Ge Peng (female), PhD, May 2017, dissertation title: Enhancing Energy Efficiency and Privacy Protection of Smart Devices, initial placement at Google, WA as a Software Engineer.
8. David Nguyen, PhD, May 2016, dissertation title: Enhancing Mobile Device System Using Information from Users and Upper Layers, initial placement at Facebook, CA as a Research Scientist. In 2020, David and his wife created Mai Anh & David Nguyen Foundation that provides scholarship for international students.
9. Daniel Graham (Minority), PhD, May 2016, dissertation title: Enhancing the Sensing Capabilities of Mobile and Embedded Systems, initial placement at Microsoft, Seattle as a Program Manager.
10. Xin Qi, PhD, May 2015, dissertation title: Improving Context Recognition and Leveraging Context Awareness in Mobile Systems, initial placement at VMware, CA as a Technical Staff.
11. Andrew Pyles, PhD, May 2013, dissertation title: Network Traffic Aware Smartphone Energy Savings, initial placement at MITRE, VA as a Senior Cyber Security Engineer.
12. Zhen Ren (female), PhD, August 2012, co-advised with Prof. Haining Wang, dissertation title: Towards Confident Body Sensor Networking, initial placement at Synopsys, NC as a Research and Development Engineer.
13. Matthew Keally, PhD, May 2012, dissertation title: A Learning-based Approach to Exploiting Sensing Diversity in Performance Critical Sensor Networks, initial placement at MITRE, VA as a Senior Cyber Security Engineer.

Current PhD Students

Woosub Jung, Ken Koltermann and Minglong Sun

Visiting Scholars

Chen Chen, Yantao Li, Fang Wang, Mingyan Xu, Haimin Chen, Yongfen Wang, Kun Liu and Shuangquan Wang

Graduated Master's Students

1. Xiaoran Peng, May 2018, Master's project title: A Continuous Jump Detection Framework for Smart Devices
2. Aaron Wells, May 2017, Master's project title: Fingerprinting Walls to Enhance Bluetooth Indoor Localization
3. Leigh Garbs, January 2017, Master's project title: Smartphone Storage Subsystem Configuration and Subsystem Power Consumption
4. Amanda Watson, May 2016, Master's project title: Detecting and Predicting Microsleep Events Using an EKG Capable Heart Rate Monitor

5. Steven Walker, May 2016, Master's project title: Real-time Sensor-based Rowing Assistant
6. Kyle Wallace, January 2015, Master's project title: An Efficient Sensor-Based Random Number Generator for Android OS
7. Conner Kasten, January 2014, Master's project title: Save Energy via Silence Types
8. Bruce Cutler, May 2013, Master's project title: Localization in Mobile Health
9. Daniel Leong, January 2013, Master's project title: Ubiquitous Phone Access
10. Andrew Pyles, January 2011, Master's project title: WiFi Energy Savings in Smartphones
11. George Simmons, January 2011, Master's project title: FPGA Based Phase Locked Loop Time Synchronization for Wireless Sensor Networks
12. Robert Thompson, May 2010, Master's project title: Self-adaptive Spectrum Control
13. Matthew Keally, May 2008, Master's project title: Content-driven Aggregation in Wireless Sensor Networks

Advising Undergraduate Students

1. Tony Yang, 2021-present, undergraduate research on golf motion sensing with wearable
2. Philip Ignatoff, 2020-present, undergraduate research on athletics performance enhancement with wearable
3. Jay Ford, 2020-present, undergraduate research on athletics performance enhancement with IoT sensors
4. Andrew Lyubovsky, 2020-present, Honors Thesis: The Pain-free Nociceptor: Predicting Collegiate Football Injuries with Deep Learning; 2019-2020, undergraduate research on smart and connected health, recipient of 2019 Monroe Scholar Summer Research Grant
5. Luke Mcdevitt (from Brown University), summer 2020, NSF REU undergraduate research on smart and connected health
6. Samhita Pendyal, 2018-2019, undergraduate research on smart and connected health
7. Benjamin Powell, 2016-2018, Honors Thesis: Turning Detection in Sandbar Sharks through Accelerometer Data
8. Kelvin Abrokwa-Johnson (Minority), 2016 and 2017, undergraduate research on smart devices in vehicles
9. Matthew Cohen, 2016, undergraduate research on smart devices for K-12 education
10. Fei He (Female), 2015, undergraduate research on mobile computing, recipient of the 2015 Charles Center Summer Research Scholarship for the research with me
11. Jeffrey Buffkin, 2015, undergraduate research on embedded and wearable devices
12. Kevin Ji, 2013, undergraduate research on sensor networks

Technical Program Committee for Conferences

IEEE International Conference on Computer Communications (INFOCOM) *2009-present*

IEEE International Conference on Distributed Computing Systems (ICDCS) *2010 and 2015*

IEEE Real-Time Systems Symposium (RTSS) *2010-2012*

IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS) *2010*

IEEE International Conference on Pervasive Computing and Communications (PerCom) *2016*

IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE) *2016-2018*

IEEE International Parallel and Distributed Processing Symposium (IPDPS) *2008*

IEEE/ACM International Symposium on Quality of Service (IWQoS) *2013*

IEEE International Conference on Mobile Ad hoc and Sensor Systems (MASS) *2013 and 2014*

EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous) *2017 and 2018*

IEEE International Conference on Computer Communications and Networks (ICCCN) *2007-2017*

International Conference on Parallel Processing (ICCP) *2013-2015*

IEEE International Conference on Industrial Internet (ICII) *2019*

IEEE International Performance Computing and Communications Conference (IPCCC) *2010-2017*

IEEE International Conference on Parallel and Distributed Systems (ICPADS) *2015, 2016 and 2021*

International Conference on Body Sensor Networks (BSN) *2011 and 2018-2019*

International Conference on Body Area Networks (BodyNets) *2011 and 2013*

IEEE International Conference on Embedded and Multimedia Computing (EMC) *2010*

IEEE International Conference on Networking, Architecture, and Storage (NAS) *2012-2015*

IEEE International Conference on Big Data Computing Service and Applications *2015 and 2017*

IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing *2010*

IEEE/IFIP International Conference on Embedded and Ubiquitous Computing *2012 and 2013*

IEEE International Conference on Networked Sensing Systems (INSS) *2009-2012*

IEEE IEEE Canadian Conference on Electrical and Computer Engineering *2009 and 2014*

IEEE International Conference on Collaborative Computing: Networking, Applications and Worksharing *2010*

IEEE International Conference on Cyber Security and Cloud Computing *2015*

ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems *2015*

IEEE International Conference on E-health Networking, Applications & Services *2015 and 2017*

IEEE International Conference on Computing, Networking and Communications (ICNC) *2017-2019*

IEEE Global Internet Symposium *2015 and 2016*

International Symposium on Innovations and Real-time Applications of Distributed Sensor Networks *2009*

International Conference on Sensor Systems and Software *2014*

International Conference on Orange Technologies *2015*

International Symposium on Future Information and Communication Technologies for Ubiquitous HealthCare *2015*

Technical Program Committee for Workshops

Workshop on Wireless Ad hoc and Sensor Networks *2008-2011*

International Workshop on Wireless Sensing Systems for Extreme Conditions *2017*

IEEE International Workshop on Mobile and Pervasive Internet of Things *2018 and 2019*

International Workshop on Cyber-Physical Networking Systems *2011*

ACM International Workshop on Pervasive Wireless Healthcare *2015*

IEEE International Workshop on Sensing, Networking, and Computing with Smartphones *2012*

ACM SIGMOBILE International Workshop on Integrated Heterogeneous Sensor Networks *2008*

IEEE Workshop on Embedded Networked Sensors (EmNets) *2008*

Reviewer for Journal Papers

Proceedings of ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) *2017, 2019-present*
ACM Transactions on Sensor Networks *2005-2016, 2018-present*
ACM Transactions on Computing for Healthcare (HEALTH) *2019-present*
ACM Transactions on Knowledge Discovery from Data *2020*
ACM Transactions on Cyber-Physical Systems *2017*
ACM Transactions in Embedded Computing Systems *2010*
ACM Transactions on Computing Education *2009*
ACM Transactions on Multimedia *2016*
ACM SIGMETRICS Performance Evaluation Review *2008 and 2009*
IEEE Journal of Biomedical and Health Informatics *2017*
IEEE/ACM Transactions on Networking *2007, 2011-2013*
IEEE Access *2017-2018*
IEEE Transactions on Mobile Computing *2006-2016, 2021*
IEEE Internet of Things *2014-2018*
IEEE Transactions on Emerging Topics in Computing *2013*
IEEE Transactions on Cybernetics *2014*
IEEE Transactions on Wireless Communications *2008-2009, 2011-2014*
IEEE Transactions on Parallel and Distributed Systems *2008-2010 and 2013-2014*
IEEE Transactions on Communications *2012*
IEEE Transactions on Vehicular Technology *2006*
IEEE Transactions on Instrumentation & Measurement *2007 and 2008*
IEEE Transactions on Industrial Informatics *2009, 2011 and 2015*
IEEE Transactions on Computers *2007 and 2011*
IEEE Journal on Selected Areas in Communications *2008*

IEEE Embedded Systems Letters *2006 and 2010*
IEEE Communications Letters *2010*
IEEE Communications Magazine *2014*
IEEE Journal of Communications and Networks *2007*
ACM/Springer Personal and Ubiquitous Computing Journal *2011*
Springer Wireless Personal Communications *2009*
Springer Real-time Systems *2009*
Springer Personal and Ubiquitous Computing *2014*
Elsevier Computer Communications *2007 and 2011-2013*
Elsevier Journal of Parallel and Distributed Computing *2013*
Elsevier Ad Hoc Networks *2007-2009*
Elsevier Pervasive and Mobile Computing *2011-2013 and 2017*
Elsevier Computer Networks *2012-2019*
Elsevier Smart Health Journal *2016-present*
Elsevier System Architecture *2012 and 2013*
Elsevier Sustainable Computing, Informatics and Systems *2012*
IBM Journal of Research and Development *2010*
BCS the Computer Journal *2006*
WILEY Wireless Communications and Mobile Computing *2007 and 2010-2011*
EURASIP Journal on Embedded Systems *2010*
KSII Transactions on Internet and Information Systems *2013*
ETRI Journal *2008*
KICS Journal of Communications and Networks *2007*
International Journal of Distributed Sensor Networks *2008*
International Journal of Sensor Networks *2007*

Reviewer for Conference Papers

ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp) *2012 and 2015*
ACM Conference on Embedded Networked Sensor Systems (SenSys) *2007*
ACM International Conference on Mobile Systems, Applications, and Services (MobiSys) *2013*
ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN) *2005*
IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE) *2016-2018*
IEEE International Conference on Computer Communications (INFOCOM) *2009-present*
IEEE International Conference on Distributed Computing Systems (ICDCS) *2006, 2010 and 2015*
IEEE Real-Time Systems Symposium (RTSS) *2005 and 2009-2012*
IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS) *2010*
IEEE International Conference on Pervasive Computing and Communications (PerCom) *2016-2017*
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2021
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IEEE International Conference on Computing, Networking and Communications (ICNC) *2017-2019*
IEEE Global Internet Symposium *2015 and 2016*
IEEE International Conference on Sensing, Communication and Networking *2004*
IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA) *2005 and 2006*
IEEE International Conference on Communications (ICC) *2007*
IEEE/ACM International Symposium in Cluster, Cloud, and Grid Computing *2014*
IEEE Vehicular Technology Conference (VTC) *2009*
IEEE International Symposium on Communications and Information Technologies *2007*
IEEE International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems *2012*
EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (Mobiquitous) *2017 and 2018*
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Wireless Telecommunications Symposium *2008*
International Symposium on Innovations and Real-time Applications of Distributed Sensor Networks *2009*
International Conference on Sensor Systems and Software *2014*
International Conference on Orange Technologies *2015*
International Symposium on Future Information and Communication Technologies for Ubiquitous HealthCare *2015*

Reviewer for Workshop Papers

ACM International Workshop on Pervasive Wireless Healthcare *2015*
ACM SIGMOBILE International Workshop on Integrated Heterogeneous Sensor Networks *2008*
International Workshop on Wireless Ad hoc and Sensor Networks *2008-2011*
International Workshop on Wireless Sensing Systems for Extreme Conditions *2017*
IEEE International Workshop on Mobile and Pervasive Internet of Things *2018 and 2019*
IEEE International Workshop on Sensing, Networking, and Computing with Smartphones *2012*
IEEE Workshop on Embedded Networked Sensors *2008*
International Workshop on Cyber-Physical Networking Systems *2011*