Dr. Kewei Sha

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Research Interests

Distributed Systems, Wireless Sensor Networks, Cyber-Physical Systems, Edge Computing, Internet of Things, Security and Privacy, Big Data Mining and Analytics

Employment

Associate Director, Cyber Security Institute at UHCL, 09/2015 -
Assistant Professor, University of Houston, Clear Lake, 09/2015 -
Chair, Department of Technology and Software Engineering, Oklahoma City University, 07/2013-08/2015
Associate Professor, Oklahoma City University, 07/01/2015 – 08/31/2015
Assistant Professor, Oklahoma City University, 07/2011-06/30/2015
Visiting Assistant Professor, Oklahoma City University, 08/2008-06/2011
Research Assistant, Wayne State University, 08/2006-08/2008
Teaching Assistant, Wayne State University, 08/2003-08/2006

Education

Ph.D. in Computer Science, 09/2003-11/2008
Wayne State University, Detroit, MI
Advisor: Dr. Weisong Shi

M.S. in Computer Science, 09/2003-12/2006
Wayne State University, Detroit, MI
Advisor: Dr. Weisong Shi

B.S. in Computer Science, 09/1997-07/2001
East China University of Science and Technology, Shanghai, China

Publications

Book & Book Chapters

1. **Kewei Sha,** Aaron Striegel and Min Song, *"Advances in Computer Communications and Networks -- from green, mobile, pervasive networking to big data computing",* edited book, River Publisher, 2017
2. **Kewei Sha,** Aaron Striegel and Min Song, *"Security, Privacy and Reliability in Computer Communication and Networks",* edited book, River Publisher, 2017
3. Wenjia Li, **Kewei Sha** and Sheral Zeadally, "*Routing in Wireless Senor Network based Cyber-Physical Systems*", book chapter in Cyber-Physical System Design with Sensor Networking Technologies, March 2016

4. **Kewei Sha**, *"Data Quality Management in Wireless Sensor Networks: A Consistency Model Based Approach",* VDM Verlag Dr. Müller, April 2010

5. **Kewei Sha**, Weisong Shi, and Sivakumar Sellamuthu, *"Load Balanced Query Protocols for Wireless Sensor Networks"*, book chapter of the book "Sensor Networks Operations", Edited by Shashi Phoha, Thomas F. La Porta and Christopher Griffin, Wiley-IEEE Press, May 2006

Journals Publications

1. Aseel Basheer and **Kewei Sha** *"Cluster-based Quality-Aware Adaptive Data Compression for Streaming Data"*, ACM Journal of Data and Information Quality (JDIQ), accepted.

2. Junzhao Du, Sicong Liu, Rui Li, Xue Yang, Hui Liu and **Kewei Sha,** *"Energy-efficient Algorithm to Construct the Information Potential Field in WSNs",* IEEE Sensors Journal, 17(12), 3822 - 3831, June 2017

3. **Kewei Sha**, Naif Alatrash and Zhiwei Wang, *"A Secure Framework to Read Isolated Smart Grid Devices"*, IEEE Transaction of Smart Grid, PP(99), 1-13, February, 2016

4. Shiwen Mao, Honggang Wang, Aaron Striegel, and **Kewei Sha**, *"Editorial: Special Issue on Cognitive, Cellular, and Mobile Networks",* EAI Endorsed Transactions on Wireless Spectrum, 16(7): e1, January 2016.

5. Abhishek Parakh and **Kewei Sha**, *"Editorial: Privacy, Security and Trust in Mobile and Wireless Systems",* International Journal of Security and Networks, Vol. 11, Nos. 1/2, 2016

6. **Kewei Sha** and Sherali Zeadally, *"Data Quality in Cyber-Physical Systems",* ACM Journal on Data and Information Quality, 6(2-3), article No. 8, July 2015

7. **Kewei Sha** and Zhengping Wu, *"Editorial: Privacy, Security and Trust in Mobile Systems",* Wireless Personal Communications, 73(1), 1-3, 2013

8. Zhiwei Wang**, Kewei Sha** and Wei Lv*, "Slight Homomorphic Signature for Access Controlling in Cloud Computing",* Wireless Personal Communications (WIRE), 73 (1), 51-61, 2013

9. **Kewei Sha,** Jegnesh Gehlot, and Robert Greve, *"Multipath Routing Techniques in Wireless Sensor Networks, A Survey"*, Wireless Personal Communications (WIRE), 70 (2), 807-829, 2013

10. **Kewei Sha**, Shinan Wang and Weisong Shi, *"RD4: Role-Differentiated Cooperative Deceptive Data Detection and Filtering in VANETs"*, *IEEE* Transactions on Vehicular Technology (TVT), Vol. 59, No. 3, pp. 1183-1190, March 2010

11. **Kewei Sha** and Weisong Shi, *"Consistency-Driven Data Quality Management in Wireless Sensor Networks"*, Journal of Parallel and Distributed Computing (JPDC), Vol. 68, No. 9, pp. 1207-1221, September 2008.

12. Yong Xi, **Kewei Sha**,Weisong Shi, Loren Schwiebert, and Tao Zhang, *"Probabilistic Adaptive Privacy-Preserving Authentication in Vehicular Networks"*, Journal of Computer Science and Technology (JCST) Vol. 23, No. 6, pp. 916-928, November 2008.

13. Junzhao Du, Weisong Shi, and **Kewei Sha**, *"Asymmetry-Aware Link Layer Services in Wireless Sensor Networks"*, Journal of Embedded Computing, Vol 3, Issue 2, pp. 141-154, 2009

14. **Kewei Sha**, Junzhao Du, and Weisong Shi, *"WEAR: A Balanced, Fault-Tolerant, Energy-Efficient Routing Protocol for Wireless Sensor Networks"*, International Journal of Sensor Networks, Vol 1, No. 2, 2006

15. **Kewei Sha,** Weisong Shi, *"Modeling the Lifetime of Wireless Sensor Networks"*, Sensor Letters, Vol 3, pp. 126-135, 2005

Conferences and Workshops Publications

1. Mousa Alramadhan and **Kewei Sha**, *"An Overview of Access Control Mechanisms for Internet of Things",* to in Proceedings of the 26th International Conference on Computer Communications and Networks (ICCCN 2017), Oct 2017, Vancouver, Canada

2. Ranadheer Errabelly, **Kewei Sha,** Wei Wei, T. Andrew Yang**,** Zhiwei Wang, *"EdgeSec: Design of an Edge Layer Security Service to Enhance Internet of Things Security",* to in Proceedings of the 1st IEEE International Conference on Fog and Edge Computing (ICFEC 2017), May 2017, Madrid, Spain

3. Naveen Manoharan, **Kewei Sha,** and Jiang Lu, *"Exercise Evaluation Using Wrist Sensors",* to in Proceedings of The Second IEEE/ACM Conference on Connected Health: Applications, Systems, and Engineering Technologies (IEEE/ACM CHASE 2017), July 2017, Philadelphia, PA

4. **Kewei Sha,** Wei Wei, Andrew Yang and Weisong Shi, *"Security in Internet of Things: Opportunities and Challenges"*, in Proceedings of the International Conference on Identification, Information & Knowledge in the Internet of Things (IIKI 2016), October 2016, Beijing, China

5. Aseel Basheer and **Kewei Sha**, *"QAAC: Quality-Assure Adaptive Data Compression for Sensor Data"*, in Proceedings of the 25th International Conference on Computer Communications and Networks (ICCCN 2016), August 2016, Waikoloa, Hawaii, USA

6. Sicong Liu, Junzhao Du, Rui Li, Hui Liu and **Kewei Sha**, *"CrowdBlueNet: Maximizing Crowd Information Collection base on Bluetooth Ad Hoc Networks",* in Proceedings of The 11th International Conference on Wireless Algorithms, Systems, and Applications (WASA 2016), August 2016, Bozeman, Montana, USA

7. Wei Wei, Arti Mann, **Kewei Sha** and Andrew Yang, *"Design and Implementation of a Multi-Facet Hierarchical Cybersecurity Education Framework",* in Proceedings of 2016 IEEE International Conference on Intelligence and Security Informatics, the Cybersecurity Workforce and Education track (ISI 2016), September 2016, Tucson, USA

8. Nitish Kelagote, **Kewei Sha**, Jiang Lu, Lin Sun and Sanobar Kadiwal, *"Human Motion Modeling and Evaluation Using Wearable Sensors",* in Proceedings of the Dual Conference 2016 in Innovation and Automation, October 2016, Houston, USA

9. Sanobar Kadiwal, Jiang Lu, **Kewei Sha**, Lin Sun and Nitish Kelagote, *"Microsoft Kinect Based Real-time Segmentation and Recognition for Human Activity Learning",* in Proceedings of the Dual Conference 2016 in Innovation and Automation, October 2016, Houston, USA

10. Tom Darling and **Kewei Sha**, "*REMEDY: Remote Exercise Monitoring using an Evaluative Data sensing sYstem*", in Proceedings of 17th International Conference on E-health Networking, Application & Services (IEEE Healthcom 2015), October 2015, Boston, USA

11. Junzhao Du, Sicong Liu, Chi Xu, Kai Wang, Hui Liu and **Kewei Sha**, *"Lightweight Construction of the Information Potential Field in Wireless Sensor Networks"*, in Proceedings of the 23rd International Conference on Computer Communications and Networks (ICCCN 2014), August 2014, Shanghai, China

12. **Kewei Sha**, Chengguang Xu and Zhiwei Wang, *"One-time Symmetric Key Based Cloud Supported Secure Smart Meter Reading"*, in Proceedings of the 23rd International Conference on Computer Communications and Networks (ICCCN 2014), August 2014, Shanghai, China

13. Myung Ah Park, Gang Qian, Michelle Hepner, **Kewei Sha**, *"A Gender-Inclusive Holistic Approach for IAS Education",* in Proceedings of the International Conference on Frontiers in Education: Computer Science and Computer Engineering, July 2012, Las Vegas, Nevada, USA

14. Rohit Reddy, **Kewei Sha,** Jegnesh Gehlot and Robert Greve, *"On the Heterogeneity in Mobile Application Development",* in Proceedings of Oklahoma Research Day, Nov 2011, Lawton, Oklahoma, USA

15. Chang Liu, Junzhao Du, Hui Liu and **Kewei Sha**, *"Sleep-Wakeup Algorithms for Virtual Barriers for Wireless Sensor Networks in 3D Space",* in Proceedings of The 6th International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2010), Dec 2010, Hangzhou, China

16. Yawei Li, Junzhao Du, Hui Liu and **Kewei Sha**, *"On Sweep Coverage with Minimum Mobile Sensors",* in Proceedings of The 16th International Conference on Parallel and Distributed Systems (ICPADS 2010), Dec 2010, Shanghai, China

17. Shinan Wang, **Kewei Sha** and Weisong Shi, *"Role-based Deceptive Data Detection and Filtering in WSNs",* in Proceedings of the 8th ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN 2009) (2 page summary), April 13-16, 2009, San/Francisco.

18. **Kewei Sha**, Guoxing Zhan, Safwan Al-Omari, Tim Calappi, Weisong Shi and Carol Miller, *"Data Quality and Failures Characterization of Sensing Data in Environmental Applications",* In Proceedings of CollaborateCom 2008, November 2008.

19. **Kewei Sha**, Guoxing Zhan, Weisong Shi, Mark Lumley, Clairy Wiholm, and Bengt Arnetz, *"SPA: Smart Phone Assisted Chronic Illness Self-Management with Participatory Sensing"*, In Proceedings of The 2nd International Workshop on Systems and Networking Support for Healthcare and Assisted Living Environments (Healthnet'08), in conjunction with MobiSys'08, June, 2008.

20. **Kewei Sha** and Weisong Shi, "*Modeling Data Consistency in Wireless Sensor Networks*" in Workshop Proceedings of ICDCS 2007 (WWASN 2007), Toronto, June 25-29, 2007
21. Yong Xi, **Kewei Sha**, Weisong Shi, Loren Schwiebert, and Tao Zhang, "*Enforcing Privacy Using Symmetric Random Key-Set in Vehicular Networks*" in Proceedings of the 8th International Symposium on Autonomous Decentralized Systems (ISADS), Sedona AZ,March, 2007
22. **Kewei Sha**, Yong Xi, Weisong Shi, Loren Schwiebert, and Tao Zhang, "*Adaptive Privacy-Preserving Authentication in Vehicular Networks*", in Proceedings of the First International Conference on Communications and Networking in China (ChinaCom'06), Oct 27, 2006
23. **Kewei Sha** and Weisong Shi, "*On the Effects of Consistency in Data Operations in Wireless Sensor Networks*", in Proceedings of the 2006 International Conference on Parallel and Distributed Systems (ICPADS 2006), July 12-15, 2006
24. **Kewei Sha**, Weisong Shi, and Orlando Watkins, "*Using Wireless Sensor Networks for Fire Rescue Applications: Requirements and Challenges*", in Proceedings of the 6th IEEE International Conference on Electro/Information Technology, May 2006
25. Junzhao Du, Weisong Shi, and **Kewei Sha**, "*Asymmetry-Aware Link Quality Services in Wireless Sensor Networks*", in Proceedings of the 2005 IFIP International Conference on Embedded and Ubiquitous Computing (EUC-05), December 6-9, 2005
26. **Kewei Sha** and Weisong Shi, "*Revisiting the Lifetime of Wireless Sensor Networks*", in Proceedings of the 2nd International Conference on Embedded Networked Sensor Systems (SenSys'04) (poster), November 3-5, 2004
27. Weisong Shi, Sivakumar Sellamuthu, **Kewei Sha**, and Loren Schwiebert, "*QueryAgent: A General Query Processing Tool for Sensor Networks*", in Workshop Proceedings of International Conference on Parallel Processing (ICPP'04), Aug 2004

Honors and Awards

- IEEE Outstanding Leadership Award from ICCCN 2015
- IEEE Outstanding Leadership Award from ICCCN 2014
- Recognition of Workshop Co-Chair from ICCCN 2013
- Distinguished Student Mentor of Meinders School of Business, OCU, 2012
- Fellow of the Faculty Teaching Academy at OCU, 2011
- Semi-Finalist in 2012 Oklahoma Governor's Business Plan Competition (as advisor), 2012
- The 3rd Place in 2011 Oklahoma Governor's Business Plan Competition (as advisor), 2011
- General Motor Corporations Academic Award, 2008
- Meritorious Prize of International Undergraduate Mathematical Contest on Modeling (MCM), 2000
- First-Rank Award of Mathematics Contest in Modeling (MCM) of China, 1999
- Baogang Fellowship, by Shanghai Ministry of Education, 2000

Funding

- NSF DGE: Revamping a Traditional Computer Science Program to Meet Modern-day Cybersecurity Education Challenges, 09/2017-08/2020, co-PI (PI, Dr. Andrew Yang, Dr. Wei Wei and Dr. Sadegh Davari), $499,995.00, awarded
- NSF Travel Grant for IEEE SECON 2017, 2017, PI $10,000, awarded
- NSF Travel Grant for IEEE/ACM CHASE 2017, 2017, PI $15,000, awarded
- UHCL Faculty Development Funding (FDF), 2016-2017, PI, $2,000, awarded
- UHCL Faculty Research Support Funding (FRSF), 2016-2017, PI, $3,900, awarded
- UHCL Faculty Development Funding (FDF), 2015-2016, PI, $1,800, awarded
- NSF support for ICCCN Student Travel Grant, 2015, PI $10,000, awarded

- NSF EPSCoR Oklahoma ROA+, 2015, PI $12,500 awarded
- OCU Summer Undergraduate Research Grant, 2014, PI $5000 awarded
- OCU Student Professional Fund, 2014-2015 PI $1600, awarded
- SC'13 HPC Educator Travel Award, 2013, about $2000, awarded
- Natural Science Foundation of China (NSF-C) Grant No. 61672016, co-PI, awarded
- Natural Science Foundation of China (NSF-C) Grant No. 61373006, co-PI, awarded

Supervised Master Thesis

1. Aseel Basheer, *"QAAC: Quality-Assured Adaptive Data Compression for Sensor Data"*, master thesis, Dec 2015
2. Mahanad Ramadhan, *"EBMR: Energy-Efficient and Load-Balanced Multipath Routing Protocol for Wireless Sensor Networks"*, master thesis, May 2016

Recent Invited Talk

- *Quality-Assured Adaptive Data Compression for Sensor Data,* Invited talk at Nanjing University of Posts and Communications, June 2017
- *Emerging Cyber Threat: Challenges & Opportunities*, Keynote at University of Houston System Cybersecurity Cyber-Resilience Workshop, March 2017
- *IoT Security: challenges and solutions*, invited talk at Zhejiang Wanli University, January 2017
- *Security Issues in Internet of Things: opportunities and challenges*, invited talk at Ningbo University, January 2017
- *IoT Security: opportunities and solutions*, invited talk at Shanghai University of International Business and Economics, January 2017
- *Security in Internet of Things: vision and challenges*, Invited talk at Anhui University, December 2016
- *Edge Supported Security Services for Internet of Things*, Invited talk at Nanjing University of Posts and Communications, December 2016
- *IoT Security: vision, challenges, and solutions*, Keynote at International Conference on Wireless Communication and Sensor Network (WCSN 2016), December 2016
- *The World of IoT*, invited talk at The Chinese Entrepreneur Association, April 2016
- *Security in IoT: Round Table: IoT Security: Perspectives, Challenges, and Cases* , invited Round Table talk at University of Nebraska at Omaha, April 2016
- *Energy Efficient Data Quality Management in Wireless Sensor Systems*, invited talk at University of Houston – Clear Lake, May 2015
- *A Secure Framework to Read Isolated Devices in Smart Grid*, invited talk at Howard University, Apr 2015
- *Data Quality Management in WSN*, invited talk at Eastern Washington University, Apr 2015
- *Role-based Deceptive Data Detection in VANET,* invited talk at University of Indianapolis, Feb 2015
- *A Cloud-aided Framework for Securely Reading Isolated Devices in Smart Grid*, invited talk at Nanjing University of Posts and Communications, July 2014
- *An Efficient Framework for Data Quality Management*, invited talk at Nanjing University of Posts and Communications, July 2014
- *Data Quality in Wireless Sensor Networks*, invited talk at Oklahoma City University, Oct 2013

Professional and Scholarly Participation

Funding Proposal Reviewer

- NSF Panelist, 2017
- NSF Bluewaters Scholarship, 2014, 2015, 2016, 2017

) University of Central Oklahoma On-campus Interdisciplinary Grant, 2014
) University of Pisa Research Proposal 2008

Professional Membership
) Senior Member of IEEE
) Senior Member of ACM

Professional Services
) **Editorship**
  o **Guest Editor**
    ▪ Special Issue in Security of Medical CPS, Elsevier Smart Health, 2017-2018
    ▪ Special Issue in Privacy, Security and Trust in Mobile Systems, Journal of Security and Network, 2016
    ▪ Special Issue in EAI Endorsed Transactions on Wireless Spectrum, 2016
    ▪ Special Issue in Mobile Privacy, Security and Trust, Personal Wireless Communications, 2013
  o **Editor**
    ▪ Journal of Current Research in Science
  o **Associate Editor**
    ▪ GSTF Journal on Computing
  o **Member of Editorial Board**
    ▪ International Journal On Advances in Intelligent Systems
    ▪ International Journal On Advances in Software
    ▪ Wireless Engineering and Technology (WET)

) **IEEE TC Officer/Secretary**
  o Secretary of Technical Committee on the Internet of the IEEE Computer Society (IEEE-CS TCI) (2013 - 2016)
  o Judge of FIRST Robotics Competition, Oklahoma Region, 2013, 2014

) **Conference Organizing Committee & Chair**
  o **Conference General Co-Chair** of the Third International Conference on Wireless Communication and Sensor Network (WCSN 2016)
  o **Technical Program Chair** of The 24th International Conference on Computer Communications and Networks (ICCCN 2015)
  o **Steering Committee Chair** of International Workshop on Privacy, Security and Trust in Mobile and Wireless Systems (MobiPST)
  o **Workshop General Chair** of The 22nd International Conference on Computer Communications and Networks (ICCCN 2013)
  o **Track Chair of** The 26th International Conference on Computer Communications and Networks (ICCCN 2017)
  o **Student Travel Grant Chair**
    ▪ The 14th IEEE International Conference on Sensing, Communication and Networking (IEEE SECON 2017)
    ▪ The 25th International Conference on Computer Communications and Networks (ICCCN 2016)
  o **Publication Chair**
    ▪ The 2nd IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technology (CHASE 2017)
  o **Workshop Co-Chair**
    ▪ The 2nd International Workshop on Security, Privacy, and Trustworthiness in Medical Cyber Physical Systems (MedSPT 2017)
    ▪ The 1st International Workshop on Security, Privacy, and Trustworthiness in Medical Cyber Physical Systems (MedSPT 2016)
    ▪ University of Houston System Cybersecurity Cyber-Resilience Workshop, 2017

- - The 1st International Workshop on Privacy, Security and Trust in Mobile and Wireless Systems (MobiPST 2014)
    - The 2nd International Workshop on Privacy, Security and Trust in Mobile and Wireless Systems (MobiPST 2012)
    - The 4th International Workshop on Privacy, Security and Trust in Mobile and Wireless Systems (MobiPST 2011)
  - **Session Chair**
    - The 26th International Conference on Computer Communications and Networks (ICCCN 2017)
    - The 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2017)
    - The 25th International Conference on Computer Communications and Networks (ICCCN 2016)
    - The 24th International Conference on Computer Communications and Networks (ICCCN 2015)
    - The 23th International Conference on Computer Communications and Networks (ICCCN 2014)
    - The 22th International Conference on Computer Communications and Networks (ICCCN 2013)
    - The 3rd International Workshop on Context-aware QoS Provisioning and Management for Emerging Networks, Applications and Services (ContextQoS 2013)
    - The 20th International Conference on Computer Communications and Networks (ICCCN 2011)
    - The 4th International Conference on Collaborative Computing (CollaborateCom 2008)
    - The 5th International Conference on Collaborative Computing (CollaborateCom 2009)
  - **Publicity Chair**
    - International Conference on Computing, Networking and Communications (ICNC 2017)
    - The 2017 International Conference on Applications and Techniques in Cyber Intelligence (ATCI)
    - 2013 International Workshop on Mobile Cloud Computing Technologies and Applications (MCCTA 2013)
    - The 3rd International Workshop on Privacy, Security and Trust in Mobile and Wireless Systems (MobiPST 2013)

J **TPC member**
  - The 2017 IEEE International Conference on Collaboration and Internet Computing (IEEE CIC2017)
  - The 16th IEEE International Conference on Ubiquitous Computing and Communications (IEEE IUCC 2017)
  - The 2017 IEEE Conference on Local Computer Networks (IEEE LCN 2017)
  - The 16th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-17)
  - The 26th International Conference on Computer Communications and Networks (ICCCN 2017)
  - The annual International Conference on Distributed Computing in Sensor Systems (DCOSS 2017)
  - The 12th International Conference on Wireless Algorithms, Systems, and Applications (WASA 2017)
  - The International Conference on Green, Pervasive and Cloud Computing, GPC 2017, 2017

- International Conference on Agents and Artificial Intelligence 2017
- The 2nd International Workshop on Cloud Storage Service and Computing
- 2017 IEEE WCNC Workshop on M2M Communications and the Internet of Things
- The 35th IEEE International Performance, Computing, and Communication Conference (IPCCC 2016)
- The IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-16)
- The 11th International Conference on Wireless Algorithms, Systems, and Applications (WASA 2016)
- The 2016 IEEE Conference on Local Computer Networks (IEEE LCN 2016)
- The annual International Conference on Distributed Computing in Sensor Systems (DCOSS 2016)
- The 25th International Conference on Computer Communications and Networks (ICCCN 2016)
- The 2016 IEEE International Conference on Collaboration and Internet Computing (IEEE CIC2016)
- The International Conference on Security of Smart Cities, Industrial Control System and Communications (SSIC 2016)
- The 1st International Workshop on Cloud Storage Service and Computing, 2016
- The International Conference on Internet of Things and Cloud Computing, ICC'16
- The 1st IEEE International Conference on Collaboration and Internet Computing, IEEE CIC 2015
- The International Conference on Green, Pervasive and Cloud Computing, GPC 2015, 2015
- The 2015 Global Conference on Information Technology, Computing, and Applications (Global IT 2015)
- The Third International Symposium on Security in Computing and Communications (SSCC'15)
- The Sixth International Conference on Mobile Computing, Applications and Services (MobiCASE 2014)
- The 5th International Conference on Creative Converged IT (CCIT 2014)
- The IEEE International Conference on High Performance Computing and Communications (IEEE HPCC), 2013, 2014
- The 2014 FTRA International Symposium on Ubiquitous Green IT Systems (U-GIT 2014)
- The 2014 IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC 2014)
- The IEEE International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom) 2009, 2010, 2011, 2012, 2013, 2014
- The Workshop on Big Data and e-Health, 2014
- The International Conference on Ambient Systems, Networks and Technologies (ANT), 2013
- The International Workshop on Internet of Ubiquitous and Pervasive Things (IUPT) 2011, 2012, 2013, 2014
- The International Conference on Computer Communications and Networks (ICCCN) 2013
- The International Conference on Grid and Pervasive Computing (GPC), 2013
- The International Workshop on Data Management for Cyber Physical System (DM-CPS), 2013
- The World Conference on Information Systems and Technologies (WorldCIST) 2013
- The International Conference on Advanced Collaborative Networks, Systems and Applications (COLLA) 2011, 2012, 2013, 2014
- The International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP) 2011, 2012, 2013, 2014
- The International Conference on Mobile Web Information Systems (MobiWIS) 2012
- The International Workshop on Sensor Networks (SN) 2012

- o The IEEE International Conference on Computational Science and Engineering (IEEE CSE) 2012, 2013
- o The IEEE International Conference on Scalable Computing and Communications (IEEE ScalCom) 2012
- o The IEEE International Conference on Wireless Communications, Networking and Information Security (IEEE WCNIS) 2010
- o The IEEE International Workshop on Mobile Cyber-Physical Systems (MobiCPS) 2010
- o The IEEE International Conference on Green Computing and Communications (IEEE GreenCom) 2010
- o The International Workshop on Wireless Ad hoc and Sensor Networking (WWASN) 2011

丿 **Journal Referee**

- o IEEE Transactions on Parallel and Distributed Systems (TPDS) 2008, 2010, 2011, 2012, 2013, 2014, 2015, 2016，2017
- o IEEE Transactions on Service Computing, 2017
- o IEEE Transactions on Cloud Computing, 2017
- o IEEE Transactions on Vehicular Technology, 2016
- o IEEE Internet of Things Journal, 2016, 2017
- o ACM Transactions on Information Technology (TOIT), 2016, 2017
- o IEEE ACCESS, 2017
- o Sustainable Computing, Informatics and Systems, 2017
- o IEEE Sensor Journal, 2016
- o IEEE Internet Journal, 2016
- o Computing (COMP), 2013, 2017
- o International Journal of Communication Systems, 2017
- o Computational Intelligence, 2016
- o Sensors, 2016, 2017
- o IEEE System Journal, 2015
- o Elsevie's Computer Networks (ComNet) 2011, 2014, 2016, 2017
- o Elsevier's Computer Communications Journal (ComCom) 2008. 2011, 2012, 2013, 2014, 2016
- o Wireless Networks, 2016
- o Ad Hoc Networks 2013, 2014, 2015, 2016
- o IEEE Transactions on Dependable and Secure Computing, 2014
- o IEEE Transactions on Computers, 2013
- o IEEE Transactions on Intelligent Transportation Systems (TITS), 2013
- o International Journal of Security and Networks, 2015, 2016
- o International Journal of Ad Hoc and Ubiquitous Computing 2009, 2010, 2013, 2016
- o Wireless Personal Communications (WIRE) 2009, 2010, 2011, 2012, 2013, 2014,2016
- o IET Wireless Sensor Systems, 2015
- o ETRI Journal 2014
- o Journal of Systems Architecture, 2012, 2013
- o Journal of Network and Computer Applications 2013, 2014
- o International Journal of Sensor Networks (IJSNet) 2009, 2012, 2013, 2014, 2016, 2017
- o Journal of Sensors 2009, 2012, 2014, 2015
- o Mobile Networks and Applications (MONE), 2010, 2011, 2013
- o International Journal On Advances in Intelligent Systems 2012, 2013, 2014
- o International Journal On Advances in Software 2012, 2013, 2014
- o International Journal of Parallel, Emergent and Distributed Systems, 2012
- o IST 2012
- o BMC Bioinformatics, 2012
- o International Journal of Systems Science, 2010
- o International Journal of Distributed Sensor Networks (IJDSN), 2011

- o Journal of Computer Networks and Communications (JCNC), 2011
- o Mathematical and Computer Modeling (MCM), 2010, 2011
- o International Journal of Internet Protocol Technology (IJIPT) 2010
- o International Journal of Intelligent Engineering & Systems 2009
- o ACM Transactions on Autonomous Adaptive Systems (ACM TAAS) 2008
- o Journal of Computer Science and Technology (JCST) 2008, 2010
- o Journal of Parallel and Distributed Computing (JPDC) 2007, 2010, 2011
- o Journal of Computers and Applications 2007