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Employment	*Temple University*	Philadelphia, Pennsylvania

Professor (7/2019-), Chair (7/2024-), Director of Graduate Programs (7/2020-6/2024), Department of Computer and Information Sciences

University of North Carolina at Charlotte   Charlotte, North Carolina
Adjunct Professor (8/2019-7/2022), Professor/Associate Professor/Assistant Professor (7/2015-6/2019,7/2010-6/2015,8/2004-6/2010), Senior Associate Chair /Associate Chair (5/2018-6/2019,8/2016-4/2018), CS Ph.D. Track Coordinator (1/2013-6/2019), Department of Computer Science

Argonne's National Laboratory   Argonne, Illinois
Guest Faculty (6-8/2008)**,** Mathematics and Computer Science Division

Lawrence Berkeley National Laboratory   Berkeley, California
Student Assistant (5-8/2002, 6-8/2003), National Energy Research Scientific Computing Center (NERSC), Computational Research Division

Education   *Illinois Institute of Technology*   Chicago, Illinois
Department of Computer Science (2000-2004)   Ph.D., May 2004

Tsinghua University   Beijing, China
Department of Computer Science & Technology (1993-2000)   M.Eng., Jun. 2000
     B.Eng., Jun. 1998

Research Interests   Wireless networking, smart sensing, and distributed computing

Representative Publications (300+ peer-reviewed papers, h-index 65 and 17,900+ citations[1])

Selected Journal Papers

90   X. Wei, J. Liu, L. Fan, Y. Guo, Y. Gong, Z. Han, Y. Wang, "Quantum-Assisted Resource Management for Data Access in Space-Air-Terrestrial Integrated Networks", *IEEE*

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[1] Based on Google Scholar Citation (http://scholar.google.com/citations?user=ouPBv-wAAAAJ)

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62 X. Wei, ABM M. Rahman, D. Cheng, Y. Wang "Joint Optimization across Timescales: Resource Placement and Task Dispatching in Edge Clouds", *IEEE Transactions on Cloud Computing*, 11(1): 730-744, Jan-March 2023.

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45 T. Li, Z. Qiu, L. Cao, D. Cheng, W. Wang, X. Shi, Y. Wang, "Privacy-Preserving Participant Grouping for Mobile Social Sensing over Edge Clouds", *IEEE Trans. on Network Science and Engineering*, 8(2): 865-880, April-June 2021.

44 S. Yang, F. Li, S. Trajanovski, X. Chen, Y. Wang, X. Fu, "Delay-Aware Virtual Network Function Placement and Routing in Edge Clouds", *IEEE Trans. on Mobile Computing*, 20(2): 445-459, Feb 2021.

43 H. Chen, F. Li, W. Du, S. Yang, M. Conn, Y. Wang, "Listen to Your Fingers: User Authentication based on Geometry Biometrics of Touch Gesture", *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 4(3):75, September 2020.

42   T. Li, T. Jung, Z. Qiu, H. Li, L. Cao, Y. Wang, "Scalable Privacy-Preserving Participant Selection for Mobile Crowdsensing Systems: Participant Grouping and Secure Group Bidding", *IEEE Trans. on Network Science & Eng.*, 7(2): 855-868, April-June 2020.

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8   W. Wang, X.-Y. Li, Y. Wang, Z. Sun, "Designing Multicast Protocols for Non-Cooperative Networks", *IEEE J. on Selected Areas in Communications*, 26(7):1238-1249, Sept 2008.

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3   X.-Y. Li, I. Stojmenovic, Y. Wang, "Partial Delaunay Triangulation and Degree Limited Localized Bluetooth Multihop Scatternet Formation", *IEEE Trans. on Parallel and Distributed Systems*, 15(4):350-361, April 2004.

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Selected Conference Papers

65   X. Yue, S. Yang, F. Li, Y. Li, Y. Wang, "Rocket: Warming Serverless Inference via Hierarchical ML Artifact Pre-loading and Sharing", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2026.

64   J. Liu, Y. Wang, "Statistical Modeling and Latency Optimization for Entanglement Routing in Quantum Networks", *Proc. of IEEE International Conference on Quantum Computing and Engineering* (QCE), 2025.

63   H. Zhong, X. Zhang, H. Wang, S. Yu, Y. Wang, Miao Pan, "Enhanced Local Differential Privacy Protection against Crosstalk Attacks in Quantum Computing", *Proc. of IEEE International Conference on Quantum Computing and Engineering* (QCE), 2025.

62   Y. Zhang, Y. Gong, L. Fan, Y. Wang, Z. Han, Y. Guo, "Efficient Entanglement Routing for Satellite-Aerial-Terrestrial Quantum Networks", *Proc. of IEEE International Conference on Computer Communications and Networks* (ICCCN), 2025.

61   J. Liu, X. Zhang, X. Wei, X. Liu, Y. Chen, H. Gao, Y. Wang, "Joint Swapping and Purification with Failures for Entanglement Distribution in Quantum Networks", *Proc. of IEEE/ACM International Symposium on Quality of Service* (IWQoS), 2025.

60   J. Liu, L. Fan, Y. Guo, Z. Han, Y. Wang, "Co-Design of Network Topology and Qubit Allocation for Distributed Quantum Computing", *Proc. of IEEE International Conference on Quantum Communications, Networking, and Computing* (QCNC), 2025.

59 X. Liu, F. Li, Y. Cao, B. Shi, S. Yang, Y. Wang, "Sign-Parser: Empowering Dual-Handed Sign Language Translation with a Single Wearable", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2025.

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56 X. Wei, J. Liu, L. Fan, Y. Guo, Z. Han, Y. Wang, "Hybrid Quantum-Classical Computing via Dantzig-Wolfe Decomposition for Integer Linear Programming", *Proc. of IEEE International Conference on Computer Communications and Networks* (ICCCN), 2024.

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54 X. Liu, F. Li, Y. Cao, S. Zhai, S. Yang, Y. Wang, "PPGSpotter: Personalized Free Weight Training Monitoring Using Wearable PPG Sensor", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2024.

53 Z. Zhao, F. Li, Y. Xie, H. Xie, K. Zhang, L. Zhang, Y. Wang, "HearBP: Hear Your Blood Pressure via In-ear Acoustic Sensing Based on Heart Sounds", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2024.

52 J. Liu, X. Wei, X. Liu, H. Gao, Y. Wang, "Group-based Hierarchical Federated Learning: Convergence, Group Formation, and Sampling", *Proc. of International Conference on Parallel Processing* (ICPP), 2023.

51 X. Wei, L. Fan, Y. Guo, Y. Gong, Z. Han, Y. Wang, "Quantum Assisted Scheduling Algorithm for Federated Learning in Distributed Networks", *Proc. of IEEE International Conference on Computer Communications and Networks* (ICCCN), 2023.

50 Z. Zhao, F. Li, Y. Xie, Y. Wang, "WakeUp: Fine-Grained Fatigue Detection Based on Multi-Information Fusion on Smart Speakers", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2023.

49 Y. Cao, F. Li, H. Chen, X. Liu, S. Duan, Y. Wang, "I Can Hear You Without a Microphone: Live Speech Eavesdropping from Earphone Motion Sensors", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2023.

48 X. Wei, J. Liu, Y. Wang, "Joint Participant Selection and Learning Scheduling for Multi-Model Federated Edge Learning", *Proc. of IEEE International Conference on Mobile Ad-Hoc and Smart Systems* (MASS), 2022.

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45 X. Wei, Y. Wang, "Joint Resource Placement and Task Dispatching in Mobile Edge Computing across Timescales", *Proc, of IEEE/ACM International Symposium on Quality of Service* (IWQoS), 2021.

44   W. Xu, X. Ji, C. Zhang, B. Zhang, Y. Wang, X. Wang, Y. Wang, J. Wang, B. Liu, "PQR: Prediction-supported Quality-aware Routing for Uninterrupted Vehicle Communication", *Proc, of IEEE/ACM International Symposium on Quality of Service* (IWQoS), 2021.

43   Y. Cao, H. Chen, F. Li, Y. Wang, "CanalScan: Tongue-Jaw Movement Recognition via Ear Canal Deformation Sensing", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2021.

42   Y. Xie, F. Li, Y. Wu, Y. Wang, "HearFit: Fitness Monitoring on Smart Speakers via Active Acoustic Sensing", *Proc. of IEEE Conf. on Computer Comm.* (INFOCOM), 2021.

41   Y. Cao, H. Chen, F. Li, S. Yang, Y. Wang, "AWash: Handwashing Assistance for the Elderly with Dementia via Wearables", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2021.

40   Q. Zhang, Y. Cao, H. Chen, F. Li, S. Yang, Y. Wang, Z. Yang, Y. Liu, "airFinger: Micro Finger Gesture Recognition via NIR Light Sensing for Smart Devices", *Proc. of IEEE International Conference on Distributed Computing* (ICDCS), 2020.

39   Y. Li, Y. Liu, Y. Wang, Z. Guo, H. Yin, H. Teng, "Synergetic Denial-of-Service Attacks and Defense in Underwater Named Data Networking", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2020.

38   Y. Cao, Q. Zhang, F. Li, S. Yang, Y. Wang, "PPGPass: Nonintrusive and Secure Mobile Two-Factor Authentication via Wearables", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2020.

37   S. Alasmari, W. Wang, T. Qin, Y. Wang, "Proof of Encryption: Enforcement of Security Service Level Agreement for Encryption", *Proc. of IEEE Conference on Dependable and Secure Computing* (IDSC), 2019. **[Best Paper Runner-up Award]**

36   J. Hou, J. Qian, Y. Wang, X.-Y. Li, H. Du, L. Chen, "ML Defense: Against Prediction API Threats in Cloud-Based Machine Learning Service", *Proc. of IEEE/ACM International Symposium on Quality of Service* (IWQoS), 2019.

35   Y. Xie, F. Li, Y. Wu, S. Yang, Y. Wang, "D3-Guard: Acoustic-based Drowsy Driving Detection Using Smartphones", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2019.

34   J. Hou, X.-Y. Li, P. Zhu, Z. Wang, Y. Wang, J. Qian, P. Yang, "SignSpeaker: A Real-time, High-Precision SmartWatch-based Sign Language Translator", *Proc. of ACM Annual International Conference on Mobile Computing and Networking* (MobiCom), 2019.

33   H. Li, T. Li, F. Li, S. Yang, Y. Wang, "Multi-Expertise AwareParticipant Selection in Mobile Crowd Sensing via Online Learning", *Proc. of IEEE International Conference on Mobile Ad hoc and Sensor Systems* (MASS), 2018

32   J. Qian, F. Han, J. Hou, C. Zhang, Y. Wang, X.-Y. Li, "Towards Privacy-Preserving Speech Data Publishing", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2018.

31   L. Chang, J. Xiong, Y. Wang, X. Chen, J. Hu, D. Fang, "iUpdater: Low Cost Fingerprints Updating for High Accurate Device-free Localization", *Proc. of 37th IEEE International Conference on Distributed Computing* (ICDCS), 2017.

30   T. Li, T. Jung, H. Li, L. Cao, W. Wang, X.-Y. Li, Y. Wang, "Scalable Privacy-Preserving Participant Selection in Mobile Crowd Sensing", *Proc. of IEEE 15th International Conference on Pervasive Computing and Communications* (PerCom), 2017.

29   H. Chen, F. Li, Y. Wang, "EchoTrack: Acoustic Device-free Hand Tracking on Smart Phones", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2017.

28   H. Li, T. Li, F. Li, W. Wang, Y. Wang, "Enhancing Participant Selection through Caching in Mobile Crowd Sensing", *Proc. of IEEE/ACM International Symposium on Quality of Service* (IWQoS), 2016.

27   L. Chang, X. Chen, Y. Wang, D. Fang, J. Wang, T. Xing, Z. Tang, "FitLoc: Fine-grained and Low-cost Device-free Localization for Multiple Targets over Various Areas", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2016.

26   H. Li, T. Li, Y. Wang, "Dynamic Participant Recruitment of Mobile Crowd Sensing for Heterogeneous Sensing Tasks", *Proc. of IEEE International Conference on Mobile Ad hoc and Sensor Systems* (MASS), 2015.

25   L. Zhang, C. Bo, J. Hou, X.-Y. Li, Y. Wang, K. Liu, Y. Liu, "Kaleido: You Can Watch It But Cannot Record It", *Proc. of ACM Annual International Conference on Mobile Computing and Networking* (MobiCom), 2015.

24   J. Zhao, T. Jung, Y. Wang, X.-Y. Li, "Achieving Differential Privacy of Data Disclosure in the Smart Grid", *Proc. of IEEE Conf. on Computer Communications* (INFOCOM), 2014.

23   L. Liu, X. Cao, Y. Cheng, L. Du, W. Song, Y. Wang, "Energy-efficient Capacity Optimization in Wireless Networks", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2014.

22   F. Li, H. Jiang, Y. Wang, X. Li, M. Wang, T. Abdeldjalil, "SEBAR: Social Energy BAsed Routing Scheme for Mobile Social Delay Tolerant Networks", *Proc. of IEEE International Performance Computing & Communications Conf.* (IPCCC), 2013. [**Best Paper Award**]

21   F. Li, S. Chen, S. Tang, X. He, Y. Wang, "Efficient Topology Design in Time-Evolving and Energy-Harvesting Wireless Sensor Networks", *Proc. of IEEE International Conf. on Mobile Ad-hoc and Sensor Systems* (MASS), 2013. [**Best Paper Award (Theory Track)**]

20   S. Tang, J. Yuan, X.-Y. Li, Y. Wang, C. Wang, X. Liu, "MINT: Maximizing Information Propagation in Predictable Delay-Tolerant Network", *Proc. of ACM International Symposium on Mobile Ad Hoc Networking and Computing* (MobiHoc), 2013.

19   Y. Wang, D. Xu, X. He, C. Zhang, F. Li, B. Xu, "L2P2: Location-aware Location Privacy Protection for Location-based Services", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2012.

18   M. Huang, S. Chen, Y. Zhu, B. Xu, Y. Wang, "Topology Control for Time-Evolving and Predictable Delay-Tolerant Networks", *Proc. of IEEE Int'l Conf. on Mobile Ad-hoc & Sensor System* (MASS), 2011. [**Best Paper Candidate**]

17   Y. Zhu, M. Huang, S. Chen, Y. Wang, "Cooperative Energy Spanners: Energy-Efficient Topology Control in Cooperative Ad Hoc Networks", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2011.

16   M. Huang, S. Chen, Y. Wang, "Minimum Cost Localization Problem in Wireless Sensor Networks", *Proc. of IEEE Communications Society Conference on Sensor, Mesh, and Ad Hoc Communications and Networks* (SECON), 2010.

15   S. Chen, S.-J. Tang, M. Huang, Y. Wang, "Capacity of Data Collection in Arbitrary Wireless Sensor Networks", *Proc. of IEEE Conference on Computer Communications* (INFOCOM), 2010.

14   S. Chen, Y. Wang, X.-Y. Li, X. Shi, "Order-Optimal Data Collection in Wireless Sensor Networks: Delay and Capacity", *Proc. of IEEE Communications Society Conference on Sensor, Mesh, and Ad Hoc Communications and Networks* (SECON), 2009.

13   F. Li, Y. Wang, "Circular Sailing Routing for Wireless Networks", *Proc. of IEEE Conf. on Computer Communications* (INFOCOM), 2008.

12   Y. Wang, W.-Z. Song, W. Wang, X.-Y. Li, T.A. Dahlberg, "LEARN: Localized Energy Aware Restricted Neighborhood Routing for Ad Hoc Networks", *Proc. of IEEE Conference on Sensor, Mesh, and Ad Hoc Communications and Networks* (SECON), 2006.

11   W. Wang, Y. Wang, X.-Y. Li, W.-Z. Song, O. Frieder, "Efficient Interference-Aware TDMA Link Scheduling for Static Wireless Networks", *Proc. of ACM Annual International Conference on Mobile Computing and Networking* (MobiCom), 2006.

10   W. Wang, S. Eidenbenz, Y. Wang, X.-Y. Li, "OURS: Optimal Unicast Routing Systems in Non-Cooperative Wireless Networks", *Proc. of ACM Annual International Conference on Mobile Computing and Networking* (MobiCom), 2006.

9   Y. Wang, W. Wang, X.-Y. Li, "Distributed Low-Cost Backbone Formation for Wireless Ad Hoc Networks", *Proc. of ACM International Symposium on Mobile Ad Hoc Networking and Computing* (MobiHoc), 2005.

8   W. Wang, X.-Y. Li, Z. Sun, Y. Wang, "Design Multicast Protocols for Non-Cooperative Networks", *Proc. of Annual Joint Conference of the IEEE Computer and Communications Societies* (INFOCOM), 2005.

7   W. Wang, X.-Y. Li, Y. Wang, "Truthful Multicast in Selfish Wireless Networks", *Proc. of ACM Annual Int'l Conf. on Mobile Computing and Networking* (MobiCom), 2004.

6   W.-Z. Song, Y. Wang, X.-Y. Li, O. Frieder, "Localized Algorithms for Energy Efficient Topology in Wireless Ad Hoc Networks", *Proc. of ACM International Symposium on Mobile Ad Hoc Networking and Computing* (MobiHoc), 2004.

5   X.-Y. Li, Y. Wang, P.-J. Wan, W.-Z. Song, O. Frieder, "Localized Low-Weight Graph and Its Applications in Wireless Ad Hoc Networks", *Proc. of Annual Joint Conference of the IEEE Computer and Communications Societies* (INFOCOM), 2004.

4   X.-Y. Li, W.-Z. Song, Y. Wang, "Localized Topology Control for Heterogenous Wireless Ad Hoc Networks", *Proc. of IEEE International Conference on Mobile Ad-hoc and Sensor Systems* (MASS), 2004.

3   X.-Y. Li, P.-J. Wan, Y. Wang, C.-Y. Yi, "Fault Tolerant Deployment and Topology Control in Wireless Networks", *Proc. of ACM International Symposium on Mobile Ad Hoc Networking and Computing* (MobiHoc), 2003.

2   Y. Wang, X.-Y. Li, "Geometric Spanners for Wireless Ad Hoc Networks", *Proc. of IEEE International Conference on Distributed Computing Systems* (ICDCS), 2002

1   X.-Y. Li, P.-J. Wan, Y. Wang, O. Frieder, "Sparse Power Efficient Topology for Wireless Networks", *Proc. of IEEE 35th Hawaii International Conference on System Sciences* (HICSS-35), 2002. [***Best Paper Award***]

Research Funding (Selected)	*AI4EDU: Cloud Infrastructure-Enabled Training for AI in Educational Research and Assessment*, PIs: Yu Wang, Ningfang Mi (Northeastern University), Chuang Wang (UNC Charlotte), Lishan Yang (George Mason University), Co-PI: Chiu C Tan, 9/2024 to 8/2028, National Science Foundation
	AirEdge: Robust Airborne Network with Adaptive Edge Computing using Swarming UAVs, PIs: Y. Wang, T. Han (New Jersey Institute of Technology), P. Wang (UNC Charlotte), 10/2020 to 9/2025, National Science Foundation
	Cooperative AI Inference in Vehicular Edge Networks for Advanced Driver-Assistance Systems, PIs: Y. Wang (J. Wu), H. Ling (Stony Brook Univ.), J. Park (Y. Wang) and M. Zadeh (Kettering Univ.) and S. S. Ho (N. Wang) (Rowan Univ.), 10/2021-9/2025, National Science Foundation

A Hybrid NVM based Computing Architecture for Machine Learning Applications, PI: D. Cheng, Co-PI: Y. Wang, 10/2019-9/2023, National Science Foundation

Tier 1 UTC: Center for Advanced Multimodal Mobility Solutions and Education, PI: W. Fan, Co-PIs: Y. Wang, M. Kane, D. Weggel, M. Pando; and other teams from Texas Southern Univ., Univ. of Connecticut, UT Austin, and Washington State Univ., 12/2016-12/2021, Department of Transportation

Accelerating Spectrum Access in Cognitive Radio Networks via Social Analysis of Secondary Users, PI: J. Xie, Co-PIs: Y. Wang & Y. Cao, 1/2014-12/2018, National Science Foundation

Towards Reliable, Energy-Efficient, and Secure Vehicular Networks, PIs: Y. Wang and Y. Cheng (Illinois Institute of Technology), 1/2014-12/2017, National Science Foundation

Topology Design in Socio-Temporal Evolving Wireless Networks, PI: Y. Wang, 9/2010-8/2013, National Science Foundation

An Integrated Environment-Independent Approach to Topology Control in Wireless Ad Hoc Networks, PIs: Y. Wang, H. Sethu (Drexel University), and L. Cheng (Lehigh University), 8/2009-7/2013, National Science Foundation

Topology and Routing Design for Three-Dimensional Sensor Networks: Geometric Approaches, PI: Y. Wang, 9/2007-8/2011, National Science Foundation

A Microeconomic Approach: Protocol Design for Ubiquitous and Integrated Networks, PI: Y. Wang, 6/2006-5/2007, Oak Ridge Associated Universities (**Ralph E. Powe Junior Faculty Enhancement Awards**)

Awards

Top 2% of the world's most cited researchers in Networking and Telecommunications, by the Stanford University study, 2020-2025

IEEE Vehicular Technology Society 2024 Best Magazine Paper Award, IEEE Vehicular Technology Society, October 2024

IEEE Benjamin Franklin Key Award, IEEE Philadelphia Section, April 2024

Editor's Choice Articles, Sensors by MDPI, August 2022

AAIA Fellow, Asia-Pacific Artificial Intelligence Association (AAIA), June 2021

ACM Distinguished Member (*2020*), for outstanding scientific contributions to computing, ACM, December 2020

Best Paper Runner-up Award, IEEE Conference on Dependable and Secure Computing (IDSC 2019), Hangzhou, China, November 2019

IEEE Fellow (*2018*), for contributions to topology design and performance optimization in wireless networks, IEEE, November 2017

Best Poster Award, ACM 22nd Annual International Conference on Mobile Computing and Networking (ACM MobiCom), October 2016

Best Paper Award, Tsinghua Science and Technology, 2015

Best Paper Award, IEEE 32nd International Performance Computing and Communications Conference (IEEE IPCCC), 2013

Best Paper Award (Theory Track), 10th IEEE International Conference on

Mobile Ad-hoc and Sensor Systems (IEEE MASS), 2013

Prolific Reviewer, IEEE Transactions on Parallel and Distributed Systems, 2013

Excellence in Graduate Teaching Award, College of Computing and Informatics, University of North Carolina at Charlotte, 2012

Best Paper Candidate, 8th IEEE International Conference on Mobile Ad-hoc and Sensor Systems (IEEE MASS), 2011

Outstanding Faculty Research Award, College of Computing and Informatics, University of North Carolina at Charlotte, 2008

Winner of Performance Award and *First Place of Presentation Award*, the Mobile Ad-hoc Networking Interoperability and Cooperation (MANIAC) Challenge 2007, 2007

Ralph E. Powe Junior Faculty Enhancement Awards, Oak Ridge Associated Universities, 2006

Sigma Xi Award, Illinois Institute of Technology, 2004

Best Student Paper Award and *Teaching Assistant of The Year*, Department of Computer Science, Illinois Institute of Technology, 2003

Best Paper Award, IEEE 35th Hawaii International Conference on System Sciences (IEEE HICSS-35) (Software Track), 2002

Service	**Editorial Board Member for Journal (Selected)**:

IEEE Transactions on Cloud Computing	2021~
IEEE Transactions on Parallel and Distributed Systems	2013~2016
Journal of Computer Science and Technology	2024~
Intelligent and Converged Networks	2020~
Big Data Mining and Analytics	2017~
Tsinghua Science and Technology	2012~
International Journal of Ad Hoc and Ubiquitous Computing	2006~2017
International Journal of Distributed Sensor Networks	2013~2016
KSII Transactions on Internet and Information Systems	2012~2016
Ad Hoc & Sensor Wireless Networks	2009~2013

Guest Editor for Journal: IEEE Transactions on Sustainable Computing, IEEE Transactions on Industrial Informatics, IEEE Internet Computing, Computer Communications (Elsevier), EURASIP Journal on Wireless Communications and Networking, Sensors (MDPI), International Journal of Network Management (Wiley), International J. of Distributed Sensor Networks, Tsinghua Science and Technology, CCF Transactions on Pervasive Computing and Interaction, Intelligent and Converged Networks, Journal of Computer Science and Technology, Cluster Computing, Ad Hoc & Sensor Wireless Networks Journal, International J. of Parallel, Emergent and Distributed Systems, etc.

Conference/Workshop Organizer (Selected):

General Co-Chair, 22nd IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS 2025), 2025

General Co-Chair: IEEE 32nd, 33rd, 38th, and 44th International Performance

Computing and Communications Conference (IPCCC), 2013/2014/2019/2025

General Co-Chair, 7th ACSIC Symposium on Frontiers in Computing (SOFC 2024), 2024

General Co-Chair, 2nd International Workshop on Intelligent and Converged Networks (WICN 2024), 2024

Program Co-Chair, IEEE 26th, 30th, 43rd International Performance Computing and Communications Conference (IPCCC 2007/2011/2024), 2007/2011/2024

Program Co-Chair, 20th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS 2023), 2023

Program Chair, International Workshop on Intelligent and Converged Networks (WICN 2023), co-located with IEEE MASS 2023, 2023

Finance Chair, 24th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2023), 2023

General Co-Chair: 2nd and 7th International Conference on Big Data Computing and Communications (BigCom 2016/2021), 2016/2021

International Advisory Committee: IEEE workshop on Security and Privacy in Distributed Ledger Technology (IEEE SP-DLT), in conjunction with IEEE MASS 2020, 2020

International Liaison Chair: 15th International Conference on Green, Pervasive and Cloud Computing (GPC 2020), 2020

General Co-Chair: 4th-6th International Workshop on Crowd Assisted Sensing, Pervasive Systems and Communications (CASPer), 2017/2018/2019

Track Co-Chair: Social Networks & Computing (SNC) Track, 24th & 26th International Conference on Computer Communications and Networks (ICCCN 2016/2018), 2016/2018

Program Co-Chair: 9th IEEE International Conference on Cyber, Physical and Social Computing (CPSCom), 2016

Program Co-Chair: 1st International Conference on Big Data Computing and Communications (BigCom 2015), 2015

Program Vice Chair: 20th IEEE International Conf. on Parallel and Distributed Systems (ICPDS 2015), Security and Trustworthy Computing Track, 2015

Symposium Co-Chair: Wireless Networks Symposium, International Conference on Computing, Networking and Communications (ICNC 2015), 2015

EDAS Chair: 15th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2014), 2014

Submission Chair: 10th IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS 2013), 2013

Program Co-Chair, 3rd International Workshop on Cyber-Physical Networking Systems (CPNS 2013), 2013

Finance Chair, 13th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2012), 2012

Program Co-Chair, 1st and 2nd ACM Int'l Workshop on Foundations of Wireless Ad Hoc and Sensor Networking and Computing (FOWANC), 2008/2009

Program Co-Chair, Workshop on Wireless Ad hoc and Sensor Networks (WWASN 2007), 2007

Steering Committee Members for Conference:

IEEE International Performance Computing and Communications Conference (IPCCC), (2015~present)

International Conference on Big Data Computing and Communications (BigCom), (2015~present)

ACM International Workshop on Foundations of Wireless Ad Hoc and Sensor Networking and Computing (FOWANC), (2008~2009)

Technical Program Committee Members for Conference (Selected):

ACM Int'l Symp. on Mobile Ad Hoc Networking & Computing (MobiHoc 2014), IEEE Annual Conf. on Computer Communications (INFOCOM 2005, 08-25), IEEE Int'l Conference on Distributed Computing Systems (ICDCS 2015, 25), IEEE International Conference on Communications (ICC 2007-12,14,15,18-23), IEEE Global Telecommunications Conference (Globecom 2006, 09-15, 24, 25), IEEE Wireless Communications & Networking Conf. (WCNC 2009, 11, 13-16), IEEE Int'l Performance Comp. & Commu. Conf. (IPCCC 05, 06, 09, 10, 18), IEEE Int'l Parallel & Distributed Processing Symposium (IPDPS 2016, 20) International World Wide Web Conference, (WWW 2018) IEEE Int'l Conf. on Mobile Ad-hoc & Sensor Systems (MASS 2005, 07, 10-13), IEEE Int'l Conf. on Computer Commu. & Networks (ICCCN 2005,07,08,15,20), IEEE Int'l Symp. on Personal, Indoor & Mob. Radio Commu. (PIMRC 08,11-13).

Proposal Panelist / Reviewer:

National Science Foundation (NSF), NASA Advanced Information Systems Technology (AIST) Program, US DOE/ARPA-E SENSORS Program, Natural Sciences and Engineering Research Council of Canada (NSERC), Swiss National Science Foundation (SNSF), Chilean Science Agency (CONICYT), Research Grant Council (RGC) of Hong Kong, Science Fund of the Republic of Serbia, North Dakota State University Advanced Program, North Dakota EPSCoR Program, Maryland Technology Transfer and Commercialization Fund, Ontario Research Fund, Professional Staff Congress - City University of New York, King Abdulaziz University - Saudi Arabia, AAAS Program - the King Abdulaziz City for Science and Technology (KACST).

Service in Professional Society:

Member, IEEE Computer Society Fellows Evaluation Committee (2019 & 2020)
Chair of Communication Chapter, IEEE Charlotte Section (2012~2014, 2018)
Board Member, Tsinghua Alumni Academic Club (2018~2021, VP 2021~2022)

Teaching

Temple University (Spring 2020-):
        CIS 3223, Data Structures and Algorithms
        CIS 3319, Wireless Network and Security
        CIS 5639, Wireless Network and Communication
        CIS 5637, Network and Information Security
University of North Carolina at Charlotte (Fall 2004-Spring 2019):
        ITCS3166, Introduction to Computer Networks
        ITCS6010/8010, Mobile Ad Hoc Networks and Computing
        ITCS6132/8132, Modeling and Analysis of Communication Networks

ITCS6166/8166, Computer Communications and Networks
ITCS6167/8167, Advanced Networking Protocol
ITCS6168/8168, Wireless Communication Networks
Tsinghua University (Spring 2011):
Y0240271, Advanced Topics in Ad Hoc and Sensor Networks

Students   **Current:** *PhD students*- Jiyao Liu (2021-), Xuanzhang Liu (2021-).

Previous: *PhD graduates*- Fan Li (2005-08), Minsu Huang (2007-12), Siyuan Chen (2007-12), Ying Zhu (2010-13), Cheng Bo (2014-16), Hanshang Li (2014-18), Ting Li (2014-2019), A B M Mohaimenur Rahman (2017-22), Xinliang Wei (2019-2023); *Master graduates*- Bhavanichikar Harish (2009), Chao Zhang (2014), Teja Kanchinadam (2016); *Undergraduate students*- Sergey Begun (2007-08), Will Tune (Summer 2009), Yong Sun (2011-12), Layla Lajami (2014), Matthew Coon (Summer 2019), Qinghua Lu (Fall 2020), Jackie Gan (2022-23);

Membership Fellow of IEEE, Distinguished Member of ACM, Fellow of AAIA, Member of AAAS