

ASSOCIATE PROFESSOR**DEPARTMENT OF COMPUTER SCIENCE****UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE****9201 UNIVERSITY CITY BLVD., CHARLOTTE, NC 28223****TEL: 704-687-8443 FAX: 704-687-3516****EMAIL: YU.WANG@UNCC.EDU WEB: WWW.CS.UNCC.EDU/~YWANG32/****EDUCATION****ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS**

Doctor of Philosophy in Computer Science, May 2004.

TSINGHUA UNIVERSITY, BEIJING, CHINA

Master of Engineering in Computer Science and Engineering, June 2000.

Bachelor of Engineering in Computer Science and Engineering, June 1998.

EMPLOYMENT

- ❖ **ASSOCIATE PROFESSOR (WITH TENURE):** Department of Computer Science, University of North Carolina at Charlotte, Charlotte, North Carolina, (July 2010 – present).
- ❖ **VISITING PROFESSOR:** Department of Computer Science and Technology, Tsinghua University, Tsinghua National Laboratory for Information Science and Technology, Beijing, China, (February 2011 – May 2011).
- ❖ **ADJUNCT PROFESSOR:** Department of Computer Science, Ocean University of China, Qingdao, Shandong, China, (November 2009 – present).
- ❖ **ASSISTANT PROFESSOR:** Department of Computer Science, University of North Carolina at Charlotte, Charlotte, North Carolina, (August 2004 – June 2010).
- ❖ **GUEST FACULTY:** Mathematics and Computer Science Division, Argonne’s National Laboratory, Argonne, Illinois, (June 2008 – August 2008).
- ❖ **RESEARCH ASSISTANT / TEACHING ASSISTANT:** Department of Computer Science, Illinois Institute of Technology, Chicago, Illinois, (August 2000 – May 2004).
- ❖ **STUDENT ASSISTANT:** National Energy Research Scientific Computing Center (NERSC), Computational Research Division, Lawrence Berkeley National Laboratory, Berkeley, California, (May 2002 – August 2002, June 2003 – August 2003).

RESEARCH INTEREST

Wireless networks, ad hoc and sensor networks, mobile computing, and algorithm design

SELECTED PUBLICATION**Selected Journal Paper**

[27] Ying Zhu, Bin Xu, Xinghua Shi, Yu Wang, “A Survey of Social-based Routing in Delay Tolerant Networks: Positive and Negative Social Effects”, to appear in IEEE Communications Surveys and Tutorials, 2012

[26] Ying Zhu, Minsu Huang, Siyuan Chen, Yu Wang, “Energy-Efficient Topology Control in Cooperative Ad Hoc Networks”, to appear in IEEE Transactions on Parallel and Distributed Systems (TPDS), 2012

[25] Yu Wang, Chih-Wei Yi, Minsu Huang, Fan Li, “Three Dimensional Greedy Routing in Large-Scale Random Wireless Sensor Networks”, to appear in Ad Hoc Networks Journal (Elsevier), 2012

- [24] Siyuan Chen, Minsu Huang, Shao-Jie Tang, Yu Wang, "Capacity of Data Collection in Arbitrary Wireless Sensor Networks", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 23, Issue: 1, Pages: 52-60, January 2012
- [23] Changhua Wu, Girma S. Tewolde, Weihua Sheng, Bin Xu, Yu Wang, "Distributed Multi-Actuator Control for Workload Balancing in Wireless Sensor and Actuator Networks", IEEE Transactions on Automatic Control (TAC), Volume: 56, Issue: 10, Pages: 2462-2467, October 2011
- [22] Yu Wang, Xiang-Yang Li, Wen-Zhan Song, Minsu Huang, Teresa A. Dahlberg, "Energy-Efficient Localized Routing in Random Multihop Wireless Networks", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 22, Number: 8, Pages: 1249-1257, August 2011
- [21] Minsu Huang, Siyuan Chen, Yu Wang, "Minimum Cost Localization Problem in Wireless Sensor Networks", Ad Hoc Networks Journal (Elsevier), Volume: 9, Issue: 3, Pages: 387-399, May 2011
- [20] Xiang-Yang Li, Yajun Wang, Yu Wang, "Complexity of Data Collection, Aggregation, and Selection for Wireless Sensor Networks", IEEE Transactions on Computers, Volume: 60, Number: 3, Pages: 386-399, March 2011
- [19] Siyuan Chen, Yu Wang, Xiang-Yang Li, Xinghua Shi, "Capacity of Data Collection in Randomly-Deployed Wireless Sensor Networks", ACM/Springer Wireless Networks (WINET), Volume: 17, Number: 2, Pages: 305-318, February 2011
- [18] Fan Li, Siyuan Chen, Yu Wang, "Load Balancing Routing with Bounded Stretch", EURASIP Journal on Wireless Communications and Networking, Volume: 2010, Article ID: 623706, 16 pages, 2010
- [17] Xiang-Yang Li, Yu Wang, Haiming Chen, Xiaowen Chu, Yanwei Wu, Yong Qi, "Reliable and Energy Efficient Routing for Static Wireless Ad Hoc Networks with Unreliable Links", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 20, Number: 10, Pages: 1408-1421, October 2009
- [16] Yu Wang, Lijuan Cao, Teresa A. Dahlberg, Fan Li, Xinghua Shi, "Self-Organizing Fault Tolerant Topology Control in Large-Scale Three-Dimensional Wireless Networks", ACM Transactions on Autonomous and Adaptive Systems (TAAS), Volume: 4, Issue: 3, Pages: 19.1-19.21, July 2009
- [15] Yu Wang, Weizhao Wang, Xiang-Yang Li, Wen-Zhan Song, "Interference-Aware Joint Routing and TDMA Link Scheduling for Static Wireless Networks", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 19, Number: 12, Pages: 1709-1726, December 2008
- [14] Yu Wang, Xiang-Yang Li, Qian Zhang, "Efficient Algorithms for p -Self-Protection Problem in Static Wireless Sensor Network", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 19, Number: 10, Pages: 1426-1438, October 2008
- [13] Weizhao Wang, Xiang-Yang Li, Yu Wang, Zheng Sun, "Designing Multicast Protocols for Non-Cooperative Networks", IEEE Journal on Selected Areas in Communications (JSAC), Volume: 26, Number: 7, Pages: 1238-1249, September 2008
- [12] Fan Li, Yu Wang, Xiang-Yang Li, Ashraf Nusairat, Yanwei Wu, "Gateway Placement for Throughput Optimization in Wireless Mesh Networks", ACM/Springer Mobile Networks and Applications (MONET), Volume: 13, Number: 1/2, Pages: 198-211, April 2008
- [11] Yu Wang, Weizhao Wang, Xiang-Yang Li, "Efficient Distributed Low-Cost Backbone Formation for Wireless Networks", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 17, Number: 7, Pages: 681-693, July 2006
- [10] Yu Wang, Xiang-Yang Li, "Localized Construction of Bounded Degree and Planar Spanner for Wireless Ad Hoc Networks", ACM/Springer Mobile Networks and Applications (MONET), Volume: 11, Number: 2, Pages: 161-175, April 2006
- [9] Xiang-Yang Li, Yu Wang, "Simple Approximation Algorithms and PTASs for Various Problems in Wireless Ad Hoc Networks", Elsevier Journal of Parallel and Distributed Computing (JPDC), Volume: 66, Issue: 4, Pages: 515-530, April 2006

- [8] Xiang-Yang Li, Wen-Zhan Song, Yu Wang, "Localized Topology Control for Heterogeneous Wireless Sensor Networks", ACM Transactions on Sensor Networks (TOSN), Volume: 2, Number: 1, Pages: 129-153, February 2006
- [7] Wen-Zhan Song, Yu Wang, Xiang-Yang Li, Ophir Frieder, "Localized Algorithms for Energy Efficient Topology in Wireless Ad Hoc Networks", ACM/Springer Mobile Networks and Applications (MONET), Volume: 10, Number: 6, Pages: 911-923, December 2005
- [6] Xiang-Yang Li, Wen-Zhan Song, Yu Wang, "Efficient Topology Control for Wireless Ad Hoc Networks with Non-uniform Transmission Ranges", ACM Springer Wireless Networks (WINET), Volume: 11, Number: 3, Pages: 255-264, May 2005
- [5] Xiang-Yang Li, Yu Wang, Wen-Zhan Song, "Applications of k -Local MST for Topology Control and Broadcasting in Wireless Ad Hoc Networks", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 15, Issue: 12, Pages: 1057-1069, December 2004
- [4] Xiang-Yang Li, Ivan Stojmenovic, Yu Wang, "Partial Delaunay Triangulation and Degree Limited Localized Bluetooth Multihop Scatternet Formation", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 15, Issue: 4, Pages: 350-361, April 2004
- [3] Xiang-Yang Li, Peng-Jun Wan, Yu Wang, Chih-Wei Yi, "Robust Deployment and Fault Tolerant Topology Control for Wireless Ad Hoc Networks", Wiley Journal on Wireless Communications and Mobile Computing, Volume: 4, Issue: 1, Pages: 109-125, February 2004
- [2] Xiang-Yang Li, Gruia Calinescu, Peng-Jun Wan, Yu Wang, "Localized Delaunay Triangulation with Applications in Wireless Ad Hoc Networks", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 14, Issue: 10, Pages: 1035-1047, October 2003
- [1] Khaled Alzoubi, Xiang-Yang Li, Yu Wang, Peng-Jun Wan, Ophir Frieder, "Geometric Spanners for Wireless Ad Hoc Networks", IEEE Transactions on Parallel and Distributed Systems (TPDS), Volume: 14, Issue: 4, Pages: 408-421, April 2003

Selected Conference Paper

- [35] Siyuan Chen, Minsu Huang, Yang Li, Ying Zhu, Yu Wang, "Energy-Balanced Cooperative Routing in Multihop Wireless Ad Hoc Networks", IEEE International Conference on Communications (ICC), 2012.
- [34] Yu Wang, Dingbang Xu, Xiao He, Chao Zhang, Fan Li, Bin Xu, "L2P2: Location-aware Location Privacy Protection for Location-based Services", IEEE Conference on Computer Communications (INFOCOM), 2012. [acceptance rate: 17.9%, 278 out of 1547]
- [33] Minsu Huang, Siyuan Chen, Ying Zhu, Bin Xu, Yu Wang, "Topology Control for Time-Evolving and Predictable Delay-Tolerant Networks", IEEE Int'l Conf. on Mobile Ad-hoc & Sensor Sys. (MASS), 2011. **[Best Paper Candidate (5 out of 244)]**
- [32] Ying Zhu, Minsu Huang, Siyuan Chen, Yu Wang, "Cooperative Energy Spanners: Energy-Efficient Topology Control in Cooperative Ad Hoc Networks", IEEE Conference on Computer Communications (INFOCOM), Mini-Conference, 2011
- [31] Minsu Huang, Siyuan Chen, Ying Zhu, Yu Wang, "Cost-Efficient Topology Design Problem in Time-Evolving Delay-Tolerant Networks", IEEE Global Telecommunications Conference (GlobeCom), 2010
- [30] Dingbang Xu, Yu Wang, Xinghua Shi, Xiaohang Yin, "802.11 User Anonymization", IEEE Global Telecommunications Conference (GlobeCom), 2010
- [29] Minsu Huang, Siyuan Chen, Yu Wang, "Minimum Cost Localization Problem in Wireless Sensor Networks", IEEE Communications Society Conference on Sensor, Mesh, and Ad Hoc Communications and Networks (SECON), 2010
- [28] Siyuan Chen, Shao-Jie Tang, Minsu Huang, Yu Wang, "Capacity of Data Collection in Arbitrary Wireless Sensor Networks", IEEE Conf. on Computer Communications (INFOCOM), Mini-Conf, 2010
- [27] Siyuan Chen, Yu Wang, Xiang-Yang Li, Xinghua Shi, "Data Collection Capacity of Random-Deployed Wireless Sensor Networks", IEEE Global Telecommunications Conference (GlobeCom), 2009

- [26] Dingbang Xu, Yu Wang, Xinghua Shi, "Enhanced Feature Selection and Generation for 802.11 User Identification", IEEE International Conf. on Computer Communications and Networks (ICCCN), 2009
- [25] Siyuan Chen, Yu Wang, Xiang-Yang Li, Xinghua Shi, "Order-Optimal Data Collection in Wireless Sensor Networks: Delay and Capacity", IEEE Communications Society Conference on Sensor, Mesh, and Ad Hoc Communications and Networks (SECON), 2009 [acceptance rate: 18.8%, 81 out of 431]
- [24] Yu Wang, Lijuan Cao, Teresa A. Dahlberg, "Efficient Fault Tolerant Topology Control for Three-Dimensional Wireless Networks", IEEE Int'l Conf. on Computer Comm. and Networks (ICCCN), 2008
- [23] Weichao Wang, Yu Wang, "Secure Group-based Information Sharing in Mobile Ad Hoc Networks", IEEE International Conference on Communications (ICC), 2008
- [22] Fan Li, Siyuan Chen, Yu Wang, Jiming Chen, "Load Balancing Routing in Three Dimensional Wireless Networks", IEEE International Conference on Communications (ICC), 2008
- [21] Fan Li, Yu Wang, "Circular Sailing Routing for Wireless Networks", IEEE Conference on Computer Communications (INFOCOM), 2008. [acceptance rate: 20%, 236 out of 1160]
- [20] Yu Wang, Xiang-Yang Li, Qian Zhang, "Efficient Self Protection Algorithms for Static Wireless Sensor Networks", IEEE Global Telecommunications Conference (Globecom), 2007
- [19] Fan Li, Yu Wang, Xiang-Yang Li, "Gateway Placement for Throughput Optimization in Wireless Mesh Networks", IEEE International Conference on Communications (ICC), 2007
- [18] Yu Wang, Fan Li, Teresa Dahlberg, "Power Efficient 3-Dimensional Topology Control for Ad Hoc and Sensor Networks", 49th IEEE Global Telecommunications Conference (Globecom), 2006
- [17] Yu Wang, Wen-Zhan Song, Weizhao Wang, Xiang-Yang Li, Teresa Dahlberg, "LEARN: Localized Energy Aware Restricted Neighborhood Routing for Ad Hoc Networks", Annual IEEE Communications Society Conference on Sensor, Mesh, and Ad Hoc Communications and Networks (SECON), 2006
- [16] Weizhao Wang, Yu Wang, Xiang-Yang Li, Wen-Zhan Song, Ophir Frieder, "Efficient Interference-Aware TDMA Link Scheduling for Static Wireless Networks", ACM Annual International Conference on Mobile Computing and Networking (MobiCom), 2006. [acceptance rate: 11.7%, 35 out of 298]
- [15] Weizhao Wang, Stephan Eidenbenz, Yu Wang, Xiang-Yang Li, "OURS: Optimal Unicast Routing Systems in Non-Cooperative Wireless Networks", ACM Annual International Conference on Mobile Computing and Networking (MobiCom), 2006. [acceptance rate: 11.7%, 35 out of 298]
- [14] Yu Wang, Weizhao Wang, Teresa A. Dahlberg, "Truthful Routing for Wireless Hybrid Networks", IEEE Global Telecommunications Conference (Globecom), 2005.
- [13] Yu Wang, Xinghua Shi, "Efficient On-Demand Topology Control for Wireless Ad Hoc Networks", 14th IEEE International Conference on Computer Communications and Networks (ICCCN), 2005.
- [12] Yu Wang, Weizhao Wang, Xiang-Yang Li, "Distributed Low-Cost Backbone Formation for Wireless Ad Hoc Networks", ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc), 2005. [acceptance rate: 14.2%, 40 out of 281]
- [11] Weizhao Wang, Xiang-Yang Li, Zheng Sun, Yu Wang, "Design Multicast Protocols for Non-Cooperative Networks", Annual Joint Conference of the IEEE Computer and Communications Societies (INFOCOM), 2005. [acceptance rate: 17.2%, 244 out of 1419]
- [10] Xiang-Yang Li, Wen-Zhan Song, Yu Wang, "Localized Topology Control for Heterogenous Wireless Ad Hoc Networks", 1st IEEE International Conf. on Mobile Ad-hoc and Sensor Systems (MASS), 2004.
- [9] Weizhao Wang, Xiang-Yang Li, Yu Wang, "Truthful Multicast in Selfish Wireless Networks", ACM Annual International Conference on Mobile Computing and Networking (MobiCom), 2004. [acceptance rate: 7.9%, 26 out of 327]
- [8] Wen-Zhan Song, Yu Wang, Xiang-Yang Li, Ophir Frieder, "Localized Algorithms for Energy Efficient Topology in Wireless Ad Hoc Networks", ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc), 2004. [acceptance rate: 10.3%, 24 out of 233]

- [7] Xiang-Yang Li, Yu Wang, Peng-Jun Wan, Wen-Zhan Song, Ophir Frieder, "*Localized Low-Weight Graph and Its Applications in Wireless Ad Hoc Networks*", Annual Joint Conference of the IEEE Computer and Communications Societies (**INFOCOM**), 2004. [acceptance rate: 18.3%, 261 out of 1420]
- [6] Yu Wang, Xiang-Yang Li, "*Localized Construction of Bounded Degree and Planar Spanner for Wireless Ad Hoc Networks*", ACM DIALM-POMC Joint Workshop on Foundations of Mobi. Comp., 2003
- [5] Xiang-Yang Li, Peng-Jun Wan, Yu Wang, Chih-Wei Yi, "*Fault Tolerant Deployment and Topology Control in Wireless Networks*", ACM International Symposium on Mobile Ad Hoc Networking and Computing (**MobiHoc**), 2003. [acceptance rate: 15.3%, 29 out of 189]
- [4] Xiang-Yang Li, Yu Wang, Ophir Frieder, "*Localized Routing for Wireless Ad Hoc Networks*", IEEE International Conference on Communications (ICC), 2003
- [3] Yu Wang, Xiang-Yang Li, "*Geometric Spanners for Wireless Ad Hoc Networks*", IEEE International Conference on Distributed Computing Systems (**ICDCS**), 2002. [acceptance rate: 18.4%, 61 out of 331]
- [2] Xiang-Yang Li, Peng-Jun Wan, Yu Wang, Ophir Frieder, "*Sparse Power Efficient Topology for Wireless Networks*", IEEE 35th Hawaii International Conference on System Sciences (HICSS-35), 2002. **[Best Paper Award]**
- [1] Xiang-Yang Li, Peng-Jun Wan, Yu Wang, "*Power Efficient and Sparse Spanner for Wireless Ad Hoc Networks*", IEEE International Conference on Computer Communications and Networks (ICCCN), 2001

SELECTED RESEARCH FUNDING

- [6] *EAGER: Topology Design in Socio-Temporal Evolving Wireless Networks*, CNS 1050398, PI: Yu Wang, September 1, 2010 to August 31, 2013, National Science Foundation (NSF).
- [5] *Collaborative Research: An Integrated Environment-Independent Approach to Topology Control in Wireless Ad Hoc Networks*, CNS 0915331, PIs: Yu Wang, Harish Sethu (Drexel University), and Liang Cheng (Lehigh University), August 1, 2009 to July 31, 2013, National Science Foundation (NSF).
- [4] *Topology and Routing Design for Three-Dimensional Sensor Networks: Geometric Approaches*, CNS 0721666, PI: Yu Wang, September 1, 2007 to August 31, 2011, National Science Foundation (NSF).
- [3] *Load Balancing Routing for Large-Scale Wireless Networks*, PI: Yu Wang, Junior Faculty Research Grant, January 1, 2008 to May 31, 2009, the University of North Carolina at Charlotte.
- [2] *Dynamic Topology Control for Wireless Sensor Networks*, PI: Yu Wang, Junior Faculty Research Grant, July 1, 2006 to December 31, 2007, the University of North Carolina at Charlotte.
- [1] *A Microeconomic Approach: Protocol Design for Ubiquitous and Integrated Networks*, PI: Yu Wang, **Ralph E. Powe Junior Faculty Enhancement Awards**, June 1, 2006 to May 31, 2007, Oak Ridge Associated Universities and the University of North Carolina at Charlotte.

SELECTED HONORS AWARDED

- | | |
|--|-----------|
| Best Paper Candidate, 8 th IEEE Int'l Conf. on Mobile Ad-hoc and Sensor Systems (MASS), | Oct. 2011 |
| Outstanding Faculty Research Award, College of Computing and Informatics, UNC Charlotte, | Apr. 2008 |
| Winner of Performance Award for the Mobile Ad-hoc Networking Interoperability and Cooperation (MANIAC) Challenge 2007, Washington DC, | Nov. 2007 |
| First Place of Presentation Award for the Mobile Ad-hoc Networking Interoperability and Cooperation (MANIAC) Challenge 2007, IEEE Professional Communication Society, Washington DC, | Nov. 2007 |
| Ralph E. Powe Junior Faculty Enhancement Awards, Oak Ridge Associated Universities, | Apr. 2006 |
| Sigma Xi Award, Illinois Institute of Technology, Chicago, IL, | Apr. 2004 |
| Best Student Paper Award, Dept. of Computer Science, Illinois Inst. of Tech., Chicago, IL, | Dec. 2003 |
| Teaching Assistant of The Year, Dept. of Computer Science, Illinois Inst. of Tech., Chicago, IL, | Dec. 2003 |
| Best Paper Award, IEEE 35 th HICSS-35, (software track), Big Island, Hawaii, | Jan. 2002 |
| Who's Who Among Students in American Universities & Colleges, Illi. Inst. of Tech., Chicago, | 2001~2002 |
| Motorola Scholarship, Tsinghua University, Beijing, China, | 1998~1999 |
| Scholarship of Excellent Students, Tsinghua University, Beijing, China, | 1996~1997 |

SELECTED PROFESSIONAL ACTIVITIES

- Editorial Board Member:** Ad Hoc & Sensor Wireless Networks 2009~
- Editorial Board Member:** Algorithms (Published by MDPI) 2008~
- Editorial Board Member:** International Journal of Ad Hoc and Ubiquitous Computing 2006~
- Editorial Board Member:** Conference Papers in Communications and Networking 2012~
- Editorial Board Member:** Tsinghua Science and Technology 2012~
- Editorial Board Member:** Journal of Ocean University of China 2011~
- Lead Guest Editor:** Tsinghua Science and Technology, Special Issue on “Wireless Mobile Computing and Networking”, (jointly with F. Li, Y. Wu, B. Xu, T. Dahlberg) Vol. 16, No. 5, 2011
- Guest Editor:** Wiley International Journal of Network Management, Special Issue on “Quality of Service Management in Emerging Wireless Networks”, (jointly with C. Wu, X. Chu) Vol. 21, Issue 4, 2011
- Guest Editor:** Cluster Computing, Special Issue on “Algorithm and Distributed Computing in Wireless Sensor Networks”, (jointly with Y. Zhang, I. Awan, J. H. Park), Vol. 14, No. 1, 2011
- Lead Guest Editor:** EURASIP Journal on Wireless Communications and Networking, Special Issue on “Theoretical and Algorithmic Foundations of Wireless Ad Hoc and Sensor Networks”, (jointly with X. Wang, P. Ji, P. Müller, X. Jia, A. Vasilakos), Vol. 2010, 2010
- Guest Editor:** Ad Hoc & Sensor Wireless Networks Journal, Special Issue on Foundations of Wireless Ad Hoc and Sensor Networking - Selected Papers from ACM FOWANC 2008 Workshop, (jointly with X.-Y. Li), Vol. 10, Issue 1, 2010
- Guest Editor:** International Journal of Parallel, Emergent and Distributed Systems, special issue containing best papers from WWASN 2007 workshop, (jointly with V. Mistic), Vol. 23, Issue 6, 2008
- Finance Chair:** 13th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2012), 2012
- Program Co-Chair:** IEEE 30th International Performance Computing and Communications Conference (IPCCC 2011), 2011
- Workshop Co-Chair:** 7th International Conf. on Mobile Ad-hoc and Sensor Networks (MSN), 2011
- Publicity Co-Chair:** 10th International Conf. on Ad Hoc Networks and Wireless (AdHoc-Now), 2011
- General Co-Chair:** 1st International Workshop on System and Theory of Cognitive Radio Networks (STOCK 2010), 2010
- Workshop Co-Chair:** 2010 IEEE Asia-Pacific Services Computing Conference (APSCC 2010), 2010
- Publication Chair:** IEEE 29th International Performance Computing and Communications Conference (IPCCC 2010), 2010
- Program Co-Chair:** 2nd ACM International Workshop on Foundations of Wireless Ad Hoc and Sensor Networking and Computing (FOWANC 2009), in conjunction with the 10th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2009), 2009
- Program Co-Chair:** 1st ACM International Workshop on Foundations of Wireless Ad Hoc and Sensor Networking and Computing (FOWANC 2008), in conjunction with the 9th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2008), 2008
- Program Co-Chair:** Workshop on Wireless Ad hoc and Sensor Networks (WWASN 2007), in conjunction with IEEE International Conference on Distributed Computing Systems (ICDCS 2007), 2007
- Program Co-Chair:** IEEE 26th International Performance Computing and Communications Conference (IPCCC 2007), 2007

Technical Program Committee Members for Conferences (Selected):

- IEEE Annual Conference on Computer Communications (INFOCOM 2005, 2008-2013),
- IEEE International Conference on Communications (ICC 2007-2012),
- IEEE Global Telecommunications Conference (Globecom 2006, 2009-2012),
- IEEE Wireless Communications and Networking Conference (WCNC 2009, 2011),

IEEE International Performance Computing and Communications Conference (IPCCC 05, 06, 09, 10),
IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS 2005, 2007, 2010-2012),
IEEE International Conference on Computer Communications and Networks (ICCCN 2005, 2007, 2008),
IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 08,11,12),
IEEE International Conference on Advanced Information Networking and Applications (AINA-07, 08),
IEEE International Conference on High Performance Computing and Communications (HPCC-05, 08).

Professional Panelist / Proposal Reviewer:

Panelist, NASA Advanced Information Systems Technology (AIST) Program Panel Review, October 2011,
External Reviewer, North Dakota EPSCoR Program, North Dakota State University, June 2011,
Proposal Reviewer, Maryland Technology Transfer and Commercialization Fund, June/Nov. 2011, Feb 2012,
Panelist, MANIAC Panel: MANIAC and the Future of MANET Work, March 9, 2009,
Proposal Reviewer, Professional Staff Congress-City University of New York (PSC-CUNY), Fall 2006,
Panelist, National Science Foundation (NSF), Networking Technology and Systems (NeTS), Spring 2005.

Referee for Journals:

IEEE J. on Selected Areas in Communications, IEEE Trans. on Wireless Communications, IEEE Trans. on
Computers, IEEE Trans. on Mobile Computing, IEEE Trans. on Parallel and Distributed Systems, IEEE
Network, IEEE/ACM Trans. on Networking, IEEE Trans. on Intelligent Transportation Systems, IEEE
Trans. on Automatic Control, IEEE Communications Surveys and Tutorials, IEEE Communications
Letters, IEEE Wireless Communications Magazine, Mobile Networks and Applications, Networks (Wiley),
Computer Networks (Elsevier), Ad Hoc Networks (Elsevier), Theoretical Computer Science (Elsevier),
IEICE Trans. on Information and Systems, EURASIP J. on Wireless Communications and Networking, etc.

Membership and Services in Professional Societies:

Senior Member of ACM, IEEE and IEEE Communications Society;
Chair of Communication Chapter, IEEE Charlotte Section (2012).

TEACHING

Y0240271,	Advanced Topics in Ad Hoc and Sensor Networks	Tsinghua Univ., Spring 2011
ITCS6010/8010,	Mobile Ad Hoc Networks and Computing	UNCC, Fall 2004, Spring 2006
ITCS6132/8132,	Modeling and Analysis of Communication Networks	UNCC, Spring 2005, Fall 2006/07/08/10
ITCS6166/8166,	Computer Communications and Networks	UNCC, Fall 2005/07/08/09/10/11, Spring 2012
ITCS6167/8167,	Advanced Networking Protocol	UNCC, Spring 2008/09/10
ITCS6168/8168,	Wireless Communication Networks	UNCC, Spring 2007/08, Fall 2009/11
ITCS3166,	Introduction to Computer Networks	UNCC, Fall 2006, Spring 2007

STUDENTS & VISITING SCHOLARS

Current: Siyuan Chen (PhD student, 2007-), Ying Zhu (PhD student, 2010-), Yong Sun (Undergraduate, 2011-).

Previous: Fan Li (PhD graduate, 2005-2008, currently Associate Professor at Beijing Institute of Technology), Minsu Huang (PhD graduate, 2008-2012), Bhavanichikar Harish (Master student, 2009), Sergey Begun (Undergraduate, 2007-2008), Will Tune (Undergraduate, Summer 2009), Lin Li (Visiting PhD student, 2007-2008), Juan Wang (Visiting PhD student, 2007-2008), Yang Li (Visiting PhD student, 2010-2011), Prof. Dongmei Zhang (Visiting Scholar, 2008), Prof. Myung Kyun Kim (Visiting Scholar, 2008-2009), Prof. Jaehyung Park (Visiting Scholar, 2009-2010).