

Curriculum Vitae

Lichun Bao

Computer Science Department
Bren School of Information and Computer Sciences
University of California
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Education:

- | | | | |
|---|-------|-------------------|------|
| University of California, Santa Cruz, CA,
Dissertation: "Neighbor-aware control in ad hoc networks",
Adviser: Prof. J.J. Garcia-Luna-Aceves, | Ph.D. | Computer Science. | 2002 |
| Tsinghua University, Beijing, China,
Adviser: Prof. Jiawei Zhu, | M.S. | Computer Science. | 1997 |
| University of Science and Technology of China, Heifei, | B.S. | Computer Science. | 1994 |

Employments:

- | | | |
|----------------------------------|---|------------------------|
| Assistant Professor, | Computer Science Department,
University of California, Irvine, | Jul. 2003 – 2010. |
| Manager, | Calit2 Networking Computer Lab | 2004 – 2008. |
| Senior Software Engineer, | Meru Networks, Inc., | Nov. 2002 – Jun. 2003. |
| Research Assistant, | Computer Communication Research Group,
University of California, Santa Cruz, | Sep. 1997 – Dec. 2002. |
| Teaching Assistant, | University of California, Santa Cruz, | Fall'97, Spring'99. |
| Research Engineer, | Genus Technologies, Inc., | Jun. 2000 – Jun. 2002. |
| Intern, | Sun Microsystems Laboratories, | Mar. 2000 – Jun. 2000. |

Grants and Research Supports:

- *UCI/Faculty Career Development Award* (FCDA), PI, \$5,400, 2005-2006.
- *UCI/Calit2 Networking Laboratory Development Grant*, PI, \$100,000, 2003-present.
- *UCI ICS/Calit2 PlanetLab Site*, PI, \$6,000.
- *UCI/CORCLR Travel Grant*, PI, \$1,000, 2006.
- *UCI Faculty Desktop Computing Initiative*, UCI Office of Research, PI, \$1,500, 2008.
- *NSF CyberTrust Award #0524050*, Co-PI, \$150,000, 2005–2007.
- *NSF ECCS-IHCS Award # 0725914*, PI, \$299,868, 2007-2010.
- *Raytheon Company Subcontract*, PI, \$80,000, 2007-2009.

Awards:

- *Best paper award* in IFIP International Conference on Embedded and Ubiquitous Computing, 2005.

Professional Memberships:

- ACM member (1997-2010).
- IEEE member (1997-2010).
- EURASIP member (2007-2010).

Publications:

- **Book:**

K1 L. Bao and J.J. Garcia-Luna-Aceves, "*Neighbor-aware control in ad hoc networks*", ISBN 978-3-8383-4702-8, Publisher: LAP Lambert Academic Publishing AG & Co. KG, 2010.

- **Journals:**

J12 D. Wu, L. Bao and R. Li, "*A Holistic Approach to Wireless Sensor Network Routing in Underground Tunnel Environments*", in *Computer Communications*, Elsevier, 2010.

J11 D. Wu, L. Bao and R. Li, "*Robust Protocols and Algorithms in Wireless Sensor Networks Using UWB*", in *Ad Hoc and Sensor Wireless Networks*, an International Journal, Old City Publishing, 2010.

J10 Y. Zhang, L. Bao, S.H. Yang and M. Welling, "*Localization Algorithms for Wireless Sensor Retrieval*", in the *Computer Journal (CJ)*, Special Issue on Algorithms, Protocols, and Future Applications of Wireless Sensor Networks, 2010.

J9 L. Bao and S. Yang, "*New Channel Access Coordination Functions in Large Scale Wireless LAN Systems*", in *International Journal of Network Protocols and Algorithms (NPA)*, Vol. 1, Issue 1, Macrothink Institute, 2009.

J8 L. Bao and S. Liao, "*Spectrum Access Scheduling for Heterogeneous Wireless Systems Coexistence*", in *EURASIP Journal on Wireless Communications and Networking*, 2009.

J7 L. Bao and J.J. Garcia-Luna-Aceves, "*Stable Energy-Aware Topology Management in Ad Hoc Networks*", in *Ad Hoc Networks Journal*, Elsevier, 2009.

J6 J. Lu, L. Bao and T. Suda, "*Probabilistic Self-Scheduling for Coverage Configuration in Wireless Ad-hoc Sensor Networks*", *International Journal of Pervasive Computing and Communications (IJPCC)*, Vol. 3, No. 1, Emerald Group Publishing Limited, 2008.

J5 L. Bao and J.J. Garcia-Luna-Aceves, "*Computational Time-Division and Code-Division Channel Access Scheduling in Ad Hoc Networks*", *Journal of Networks (JNW)*, Academic Publisher, Issue 8, 2008.

J4 D. Wu, L. Bao and R. Li, "*UWB-Based Localization in Wireless Sensor Networks*", *International Journal of Communications, Network and System Sciences (IJCNS)*, Scientific Research Publishing, Inc. 2009.

J3 J. Lu and L. Bao and T. Suda, "*Coverage-Aware Sensor Engagement in Dense Sensor Networks*", in *Journal of Embedded Computing (JEC)*, Special Issue on Embedded System Optimization, 3(1), 3-18, IOS Press, 2009.

J2 L. Bao and J.J. Garcia-Luna-Aceves, "*Receiver-Oriented Multiple Access in Ad Hoc Networks with Directional Antennas*", *Wireless Networks (WINET)*, Kluwer Academic Publishers, pg 67-79, Vol 11(1-2), Jan. 2005.

J1 L. Bao and J.J. Garcia-Luna-Aceves, "*Distributed Dynamic Channel Access Scheduling for Ad Hoc Networks*", In *Journal of Parallel and Distributed Computing (JPDC)*, Special Issue on Wireless and Mobile Ad Hoc Networking and Computing, 2002.

- Patent:

- P1** J. J. Garcia-Luna-Aceves and **L. Bao**, “*System and Method for Ad Hoc Network Access Employing the Distributed Election of a Shared Transmission Schedule*”, US 7,046,639 B2, filed in 09/28/2001.

- Book chapters:

- B5** **L. Bao** and S. Liao, “*Spectrum Access Scheduling among Heterogeneous Wireless Systems*”, accepted for publication as a chapter in *Emerging Wireless Networks: Concepts, Techniques and Applications*, ed. C. Makaya and S. Pierre, Auerbach Publications, Taylor & Francis Group, 2010.
- B4** **L. Bao** and D. Sy, “*Coordinated Packet Traceback in Wireless Mesh Networks*”, book chapter in “*Wireless Mesh Networking with 802.16, 802.11, and ZigBEE*”, Edit. George Aggelou, Publisher: McGraw-Hill, 2008.
- B3** **L. Bao**, R. Chen and D. Sy, “*ODAR: On-Demand Anonymous Routing in Ad Hoc Networks*”, book chapter in “*Security in Ad-hoc and Sensor Networks*”, Edit. R. Beyah, J. McNair, and C. Corbett, Publisher: Nova Science Publishers, Inc., 2008.
- B2** Y. Cho, **L. Bao** and M. Goodrich, “*Secure Location-Based Access Control in WLAN Systems*”, to appear in “*Wireless and Sensor Networks Security*”, Edit. Jiang Zhen, Publisher: Nova Science Publishers, Inc., 2007.
- B1** **L. Bao** and J.J. Garcia-Luna-Aceves, “*Distributed Channel Access Scheduling for Ad Hoc Networks*”, book chapter in “*Algorithms and Protocols for Wireless and Mobile Networks*”, Edit. A. Boukerche, Publishers: CRC/Hall Publisher, 2004.

- Conferences:

- C37** S.H. Yang and **L. Bao**, “*Scalable Mobility Management in Wireless Mesh Networks*”, IEEE Wireless and Communications and Networking Conference (WCNC), 2011. **AR=48%**.
- C36** **L. Bao** and S.H. Yang, “*Latin Square Based Channel Access Scheduling in Large WLAN Systems*”, IEEE Wireless and Communications and Networking Conference (WCNC), 2011. **AR=48%**.
- C35** **L. Bao**, Y. Zhang, S.H. Yang, M. Welling, G. Xu and Q. Fu, “*A Probabilistic Localization Algorithm for Wireless Sensor Retrieval*”, in IEEE International Symposium on a World of Wireless Mobile and Multimedia Networks (WoWMoM), Montreal, QC Canada, June 14-17, 2010. **AR=28%**.
- C34** D. Wu and **L. Bao**, “*Grid-Based Channel Resource Allocation and Access Scheduling Using Latin Squares in Wireless Mesh Networks*”, in IEEE International Symposium on a World of Wireless Mobile and Multimedia Networks (WoWMoM), Montreal, QC Canada, June 14-17, 2010. **AR=28%**.
- C33** H. Kooti, E. Bozorgzadeh, S. Liao and **L. Bao**, “*Transition-aware Real-Time Task Scheduling for Reconfigurable Embedded Systems*”, in IEEE Design, Automation and Test in Europe (DATE), Germany, March 2010. **AR=21.2%**.
- C32** S. Liao and **L. Bao**, “*Spatial Spectrum Reuse in Heterogeneous Wireless Systems*”, The KIISE International Conference on Information Networking (ICOIN), 2009.
- C31** **L. Bao** and S. Liao, “*Temporal Spectrum Access Scheduling in Heterogeneous Wireless Systems*”, The KIISE International Conference on Information Networking (ICOIN), 2009.

- C30** S. Liao and **L. Bao**, “*Implementing a Base Station Using the SDR Platform for Coexistence of Heterogeneous Wireless Systems*”, (Demo) in SDR Forum Technical Conference and Product Exposition (SDR), Washington, DC, 2009.
- C29** **L. Bao**, E. Bozorgzadeh and S. Liao, “*Spectrum Access Scheduling among Heterogeneous Wireless Systems*”, in SDR Forum Technical Conference and Product Exposition (SDR), Washington, DC, 2009.
- C28** S. Liao and **L. Bao**, “*A Spatial Spectrum Reuse Architecture and Its Analysis*”, In Proc. of the International Conference on Next Generation Wireless Systems (NGWS). Melbourne, Australia, 2009.
- C27** Y. Zhang, **L. Bao**, M. Welling and S.H. Yang, “*Base Station Localization in Search of Empty Spectrum Spaces for Cognitive Radio Networks*”, The 5th International Conference on Mobile Ad-hoc and Sensor Networks (MSN), 2009. **AR=39.7%**.
- C26** D. Wu, R. Li and **L. Bao**, “*U-Both: A New UWB Coding Method for Localization in Wireless Sensor Networks*”, The 5th International Conference on Mobile Ad-hoc and Sensor Networks (MSN), 2009. **AR=39.7%**.
- C25** D. Wu and **L. Bao**, “*Design and Evaluation of Localization Protocols and Algorithms in Wireless Sensor Networks Using UWB*”, In Proc. of the 27th IEEE International Performance Computing and Communications Conference (IPCCC). Austin, TX, USA, 2008. **AR=29.8%**.
- C24** **L. Bao**, “*Location Authentication Methods for Network Access Control*”, In Proc. of the 27th IEEE International Performance Computing and Communications Conference (IPCCC). Austin, TX, USA, 2008. **AR=29.8%**.
- C23** A. Gholamipour, E. Bozorgzadeh and **L. Bao**, “*Seamless Sequence of Software Defined Radio Designs through Hardware Reconfigurability of FPGAs*”, In Proc. of The IEEE International Conference on Computer Design (ICCD). Lake Tahoe, CA, USA, 2008. **AR=35%**.
- C22** D. Wu, R. Li and **L. Bao**, “*A Holistic Routing Protocol Design in Underground Wireless Sensor Networks*”, In Proc. of The 4th International Conference on Mobile Ad-hoc and Sensor Networks (MSN). Wuhan, China, 2008.
- C21** J. Luo, H. Liu, R. Li and **L. Bao**, “*QoS-Oriented Asynchronous Clustering Protocol in Wireless Sensor Networks*”. In Proc. of the IEEE Intl Conference on Wireless Communication, Networking and Mobile Networking (WICOM). Dalian, China, 2008.
- C20** **L. Bao**, “*A New Approach to Anonymous Multicast Routing in Ad Hoc Networks*”, In Proc. of The Second ICST International Conference on Communications and Networking in China (CHINACOM), Shanghai, China, August 21-24, 2007. **AR=37.7%**.
- C19** D. Sy, R. Chen and **L. Bao**, “*ODAR: On-Demand Anonymous Routing in Ad Hoc Networks*”, in Proc. of The Third IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS), Oct. 9-12, 2006. **AR=25%**.
- C18** D. Sy and **L. Bao**, “*CAPTRA: CoordinAted Packet TRAceback*”, The Fifth ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN), Apr. 19-21, 2006. **AR= 15%**.
- C17** J. Lu, **L. Bao** and T. Suda, “*Coverage-Aware Sensor Scheduling in Dense Sensor Networks*”, in Proc. IEEE/IFIP International Conference on Embedded and Ubiquitous Computing (EUC), Dec. 6-9 2005. The best paper award. **AR=30%**.
- C16** J. Lu, **L. Bao** and T. Suda, “*Probabilistic Self-Scheduling for Coverage Configuration in Sensor Networks*”, in Proc. of the IEEE International Conference on Sensing Technology (ICST), Nov. 2005.

- C15 J. Wang and L. Bao, “*Layer-2 Mobility Management in Hybrid Wired/Wireless Systems*”, The Second ICST International Conference on Quality of Service in Heterogeneous Wired/Wireless Networks (QSHINE), Aug. 22 - 24, 2005.
- C14 L. Zan, J. Wang and L. Bao, “*Personal AP Protocol for Mobility Management in IEEE 802.11 Systems*”, The Second ACM Annual International Conference on Mobile and Ubiquitous Systems: Networking and Services (MOBIQUITOUS), Jul. 17-21, 2005. **AR=35%**.
- C13 J. Wang and L. Bao, “*Mobile Context Handoff in Distributed IEEE 802.11 Systems*”, IEEE International Conference on Wireless Networks, Communications, and Mobile Computing (WIRELESSCOM), Jun. 13-16, 2005. **AR=42%**.
- C12 H. Tan, W. Zeng, L. Bao and T. Suda, “*A Unified Framework for Topology Management in Multi-Rate Ad Hoc Networks*”, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WIMOB), Aug. 22-24, 2005. **AR=33%**.
- C11 H. Tan, W. Zeng and L. Bao, “*PATM: Priority-based Adaptive Topology Management for Efficient Routing in Ad Hoc Networks*”, The International Conference on Computational Science (ICCS), May 22-25, 2005. **AR=35%**.
- C10 H. Tan, W. Zeng and L. Bao, “*Performance Evaluation of Topology Management in Multi-Rate Ad Hoc Networks*”, IEEE Wireless and Communications and Networking Conference (WCNC), Mar. 13-17, 2005. **AR=43%**.
- C9 L. Bao, “*MALS: Multiple Access Scheduling Based on Latin Squares*”, in Proc. IEEE Military Communications Conference (MILCOM), Oct. 31-Nov. 3, 2004.
- C8 L. Bao and J.J. Garcia-Luna-Aceves, “*Topology Management in Ad Hoc Networks*”, The ACM International Symposium on Mobile Ad Hoc Networking and Computing (MOBIHOC), Jun. 1-3, 2003. **AR=15%**.
- C7 L. Bao and J.J. Garcia-Luna-Aceves, “*Hybrid Channel Access Scheduling in Ad Hoc Networks*”, Proc. IEEE International Conference on Network Protocols (ICNP), Nov. 12-15, 2002. **AR=15%**.
- C6 L. Bao and J.J. Garcia-Luna-Aceves, “*Transmission Scheduling in Ad Hoc Networks with Directional Antennas*”, Proc. ACM/IEEE the Annual International Conference on Mobile Computing and Networking (MOBICOM), Sep. 23-28, 2002. **AR=7%**.
- C5 L. Bao and J.J. Garcia-Luna-Aceves, “*Distributed Transmission Scheduling Using Code-Division Channelization*”, Proc. IFIP-TC6 Networking 2002, 19-24 May 2002. **AR=26%**.
- C4 W. Kishaba, G. Vardakas, J.J. Garcia-Luna-Aceves, L. Bao, and Y. Kang, “*Ad Hoc Networking with Beam Forming Antennas*”, Proc. IEEE Military Communications Conference (MILCOM), Oct. 28-31, 2001.
- C3 L. Bao and J.J. Garcia-Luna-Aceves, “*A New Approach to Channel Access Scheduling for Ad Hoc Networks*”, Proc. ACM/IEEE the Annual International Conference on Mobile Computing and Networking (MOBICOM), Jul. 16-21, 2001. **AR=11%**.
- C2 L. Bao and J.J. Garcia-Luna-Aceves, “*A New Collision-Free Medium Access Control Protocol*”, Proc. IEEE Military Communications Conference (MILCOM), Oct. 22-25, 2000.
- C1 L. Bao and J.J. Garcia-Luna-Aceves, “*Link State Routing in Networks with Unidirectional Links*”, Proc. IEEE International Conference on Computer Communications and Networks (IC3N), Oct. 11-13, 1999.

- **In workshops:**

- W5 H. Kooti, E. Bozorgzadeh, S. Liao and L. Bao, “*Reconfiguration-aware Spectrum Sharing for*

- FPGA based Software Defined Radio*”, in Proc. of the 17th IEEE Reconfigurable Architectures Workshop (RAW), Atlanta, USA, April 19-20, 2010. **AR=25%**.
- W4** Y. Cho and **L. Bao**, “*Secure Access Control for Location-Based Applications in WLAN Systems*”, In Proc. of The Second IEEE International Workshop on Wireless and Sensor Networks Security (WSNS), Oct. 9-12, 2006. **AR=45.8%**.
- W3** Y. Cho, **L. Bao** and M.T. Goodrich, “*LAAC: A Location-Aware Access Control Protocol*”, In Proc. International Workshop on Ubiquitous Access Control (IWUAC), Jul. 17, 2006.
- W2** **L. Bao** and J.J. Garcia-Luna-Aceves, “*Channel Access Scheduling in Ad Hoc Networks with Unidirectional Links*”, in Proc. ACM/IEEE 5th International Workshop on Discrete Algorithms and Methods for Mobile Computing and Communications (DIAL-M), Jul. 21, 2001.
- W1** **L. Bao** and J.J. Garcia-Luna-Aceves, “*Unidirectional Link-State Routing with Propagation Control*”, in Proc. IEEE 7th Workshop on Mobile Multimedia Communications (MoMuC) 2000, Nov. 2000.
- **Proceedings:**

X1 **L. Bao** and I. G. Lassous, “*Proceedings of the 3rd ACM International Workshop on Performance Evaluation of Wireless Ad Hoc, Sensor, and Ubiquitous Networks, PE-WASUN 2006*”, Terromolinos, Spain, ACM, October 6, 2006.
 - **Ph.D. Dissertation:**

D1 **L. Bao**, “*Neighbor-aware control in ad hoc networks*”, University of California, Santa Cruz, Dec. 2002. Adviser: J.J. Garcia-Luna-Aceves.
 - **Under submissions to conferences and journals:**

S1 J. Wang and **L. Bao**, “*Seamless Mobility Management in Infrastructure-Mode WLAN Systems*”, IEEE Systems Journal, 2010.

S2 **L. Bao** and D. Sy, “*Anonymous Routing in Ad Hoc Networks*”, International journal of Network Security & Its Applications (IJNSA), 2010.

S3 **L. Bao**, H. Tan, W. Zeng and T. Suda, “*Topology Management in Multi-Rate Ad Hoc Networks*”, International Journal of Wireless & Mobile Networks (IJWMN), 2010.

Teaching Activities:

CS132 “ <i>Computer Networks</i> ”,	Winter’04, Spring’05, Spring’06, Spring’08, Winter’10.
CS133 “ <i>Advanced Computer Networks</i> ”,	Spring’09, Spring’10.
CS 236/NetSys 230: “ <i>Wireless Networking</i> ”	Spring’04, Winter’05, Spring’06, Spring’07, Spring’08, Spring’10.
NetSys 295: “ <i>Networked Systems Research Seminar</i> ”,	Fall’04.
ICS 280/NetSys 270: “ <i>Ad Hoc Networking</i> ”,	Fall’04.
CS 295/NetSys 270: “ <i>Wireless Mesh Networking</i> ”,	Spring’09.
ICS 299 “ <i>Mobility Protocols</i> ”,	Winter’06.

ICS 299 “Economics in P2P Networks”,	Spring’06.
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Advising Activities:

- ***Graduating Ph.D. Students:***

Denh Sy	CS	Sep. 2004 – Dec. 2010.
Sheng-Hui Liao	EECS	Aug. 2007 – Nov. 2010.

- ***Graduate student adviser:***

Shih-Hsien Yang	CS	Sep. 2008 – Sep. 2010.
Di Wu	CS	Sep. 2009 – Sep. 2010.
Chandan K. Purushothama	CS	Jun. 2009 – Sep. 2009.
Tara P. Choudhury	CS	Jun. 2009 – Sep. 2009.
Hotham Altwaijry	CS	Sep. 2008 – Jan. 2009.
Lin Shao	CS	Sep. 2008 – Dec. 2008.
Yohan Chae	CS	Jan. 2008 – Mar. 2008.
Younsun Cho	CS	Sep. 2005 – Oct. 2007.
Haixia Tan	CS	Jan. 2004 – Sep. 2006.
Lei Zan	CS	Sep. 2004 – Jun. 2005.
Jidong Wang	cS	Sep. 2004 – Jun. 2005.

- ***Graduate student co-adviser:***

Rex Chen, co-advised with Amelia Regan	Sep. 2005 – Sep. 2007.
Jun Lu, co-advised with Tatsuya Suda	Sep. 2004 – Jun. 2009.

- ***Undergraduate student adviser:***

Michael Golightly,	Jun. 2006 – Sep. 2006.
Hong Tan,	Jun. 2004 – Sep. 2004.

- ***Ph.D. Candidacy Exam, Topic Defense Committee Member:***

Liangbin Li	EECS	Sep. 2009.
Sangwon Chae	EECS	Sep. 2009.
Tiangao Gou	EECS	Feb. 2009.
Denh Sy	CS	Dec. 2008.
Hong Ju Park	EECS	Nov. 2008.
Patricia Lee	CS	Oct. 2008.
Jing Zhang	EECS	Sep. 2008.
Chitaranjan Pelur Sukumar	EECS	Sep. 2008.
Kyoungwoo Lee	CS	Jun. 2008.
Hao-Ju Ho	CS	Jun. 2008.
AmirHossein GholamiPour	CS	Nov. 2007.
Negar Nejati	EECS	Dec. 2007.
Erdem Koyuncu	EECS	Dec. 2007.
Chia-Chi Huang	EECS	Nov. 2007.
Jing Qian	EECS	Sep. 2007.
Zhen Zhang	EECS	Sep. 2007.
Viveck R Cadambe	EECS	Jul. 2007.
Chongjing Chen	EECS	Jun. 2007.

Javad Kazemitabar	EECS	Dec. 2006.
Inanc Inan	EECS	May 2006.
Trevor Harmon	EECS	Nov. 2005.
Mei Yang	CS	Aug. 2005.
Ming Kin Lai	CS	Jun. 2005.
Yi Pan	CS	Jun. 2005.
Yun Zhu	EECS	Dec. 2004.
Liangchen Zheng	EECS	Nov. 2004.
Koji Noguchi	CS	Nov. 2004.
Moon C. Kim	EECS	Sep. 2004.
Arulsaravana Jeyaraj	EECS	Sep. 2004.
Xiunan Xuan	CS	Jul. 2004.
Sunwoo Kim	CS	Jun. 2004.
Nitesh Saxena	CS	May 2004.
Haixia Tan	CS	Sep. 2004.

- ***Ph.D. Dissertation Defense Committee Member:***

Bo Xing	CS	Sept. 2009.
Ryota Egashira	CS	Jul. 2009.
Akihiro Enomoto	CS	Jun. 2009.
Michael Moore	CS	Mar. 2009.
Ariffin Yahaya	CS	Feb. 2009.
Jun Lu	CS	Nov. 2008.
Kyoungwoo Lee	CS	Nov. 2008.
Sheng (Sean) Liu	EECS	Mar. 2008.
Zhihe Zhang	EECS	May 2007.
Peifang ZHANG	EECS	Nov. 2005.
Jeong H. YI	CS	Aug. 2005.

Invited Talks (other than conference presentations):

- T8** “*Enabling Spectrum Sharing Using Software Defined Radios (SDRs)*”, Victoria University of Wellington, New Zealand, Jun. 16, 2010
- T7** “*Neighbor-Aware Control in Ad Hoc Networks*”, University of California, Irvine, Irvine, CA. Apr. 21, 2003.
- T6** “*IPv6*”, Korea Telecom, Irvine, CA. General introduction. Nov. 3, 2005.
- T5** “*Channel Access Scheduling in Ad Hoc Networks*”, Hunan University, Changsha, China P.R. Jan. 14, 2008.
- T4** “*Personal AP for Mobility Management in WLAN Systems*”, Hunan University, Changsha, China P.R. Jan. 15, 2008.
- T3** “*The Coexistence of Heterogeneous Wireless Systems Using Software Define Radios*”, Hunan University, Changsha, China P.R. Dec. 8, 2008.
- T2** “*The Design of MAC Protocols in Wireless Mesh Networks*”, Hunan University, Changsha, China P.R. Dec. 9, 2008.
- T1** “*The Coexistence of Heterogeneous Wireless Systems Using Software Define Radios*”, Wuhan University, Wuhan, China P.R. Dec. 12, 2008.

Campus Services:

- ***Committee members for the CS Department:***
 - The Computing and Network Policy Committee, 2006-2007.
 - Marshal of School of ICS Graduation Ceremony, 2004, 2007.
 - Graduate student admission committee, 2004-2005, 2007-2008.
 - Bren School of ICS Space Committee, 2006.
 - Faculty recruitment committee, 2004-2005.
 - Computer Science Chair Recommendation Committee, 2010.
- ***Committee member for the University:***
 - Council on Student Experience (CSE), 2007-2009.

Professional Services:

- ***Proposal Panelists***
 - NSF NeTS Program, 2005, 2006, 2010.
 - DoD EPSCoR PROGRAM, 2004.
 - University of California MICRO Program, 2003, 2004, 2005.
 - University of California Discovery Program, Berkeley, CA, USA, 2007.
- ***Co-Chair*** of PE-WASUN 2006.
- ***Local Arrangement Co-Chair*** of WoWMoM 2008.
- ***Session Chair*** for MILCOM 2004, BroadWISE 2004, MSN 2008, ChinaCom 2008.
- ***Technical program committee members of***
 - 2004** - BroadWISE.
 - 2005** -
 - 2006** -
 - 2007** - ChinaCom, INFOCOM, WASA, IFIP Networking.
 - 2008** - ChinaCom, GlobeCom, WSNS, IFIP Networking, ICCCN.
 - 2009** - ChinaCom, ICA-IN-WIRELESS, GlobeCom, WoWMoM, WSNS.
 - 2010** - WoWMoM, INFOCOM, GlobeCom-CIS, ChinaCom-WCN, ICCCN-WNET, ICC.
 - 2011** - INFOCOM, ICC, ICCCN.
- ***Peer-reviewers of:***
 - Conferences and workshops:
 - 2004** - BroadWISE, INFOCOM, MOBIHOC, IFIP/NPC, LANMAN, MASS.
 - 2005** - ICC, SIGMOD/PODS.
 - 2006** - INFOCOM, ISLPED, MASS, PE-WASUN.
 - 2007** - IFIP Networking, ICC, INFOCOM, WASA, WCNC.
 - 2008** - ChinaCom, GlobeCom, WSNS, IFIP Networking, ICCCN, MOBIHOC, MIC-CCA.
 - 2009** - ChinaCom, ICA-IN-WIRELESS, GlobeCom, WoWMoM, WSNS.
 - 2010** - ICCCN, WoWMoM, ICC, INFOCOM.
 - 2011** - INFOCOM, ICC, ICCCN.
 - Journals:
 - 2003**- MC²R.
 - 2004**- IEEE JSAC: Special Issue on Wireless Ad Hoc Networks; IEEE TPDS, TMC, TWC; Ad Hoc Networks Journal, Elsevier; Kluwer WINET; European Transactions on Telecommunications, Special Issue on Self-Organization in Mobile Networking,

- Wiley; KICS (International Journal of Communications and Networks, Korean Institute of Communications Sciences).
- 2005-** IEEE TMC; Ad Hoc Networks Journal, Elsevier; Kluwer WINET; MC²R; The Computer Journal.
 - 2006-** IEEE TMC; IEEE Wireless Communication Magazine, special issue on Inter-Vehicle Communications; Kluwer WINET; Journal of Scheduling, Springer.
 - 2007-** Computer Networks; Kluwer WINET.
 - 2008-** IEEE TOC, TMC, TPDS, TWC; WCM (Wireless Communications and Mobile Computing).
 - 2009-** MC²R; Ad Hoc Networks Journal, Elsevier; Performance Evaluation, Elsevier; IEEE TMC, TVT.
 - 2010-** EURASIP JWCN, COMPCOM.
 - 2011-** WCM, IEEE TON.

Outreach Activities:

- Science and Technology Awareness Day, Los Angeles, CA, May 2008.
- UCI Calit2-School of Medicine Technology Demonstrations, Jun. 2009.

Collaborators:

- UC Irvine,** Kane Kim, Tatsuya Suda, Michael Goodrich, Lubomir Bic, Michael Dillencourt, Max Welling.
- Other institutes,** J.J. Garcia-Luna-Aceves (UC Santa Cruz), 1997-2010.
 Vaduvur Bharghavan (Meru Networks), 2003.
 Yantai Shu (Tianjing University, China), 2005.
 JongSung Kim (ADD, Korea), visitor, 2005-2006.
 Di Wu (Hunan University, China), visiting scholar, 2007-2009.
 Yuan Zhang (Jilin University, China), visiting scholar, 2008-2010.
 Juan Luo (Hunan University, China), visiting professor, 2008-2009.
 Qiang Fu (Victoria University of Wellington), 2009-2010.