

# Curriculum Vitae

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## Lichun Bao

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

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

### Employments:

- |                                  |   |                        |
|----------------------------------|---|------------------------|
| <b>Assistant Professor,</b>      | Computer Science Department,<br>University of California, Irvine,               | Jul. 2003 – present.   |
| <b>Manager,</b>                  | Calit2 Networking Computer Lab  | 2004 – 2008.           |
| <b>Senior Software Engineer,</b> | Meru Networks, Inc.,  | Nov. 2002 – Jun. 2003. |
| <b>Research Assistant,</b>       | Computer Communication Research Group,<br>University of California, Santa Cruz, | Sep. 1997 – Dec. 2002. |
| <b>Teaching Assistant,</b>       | University of California, Santa Cruz,   | Fall'97, Spring'99.    |
| <b>Research Engineer,</b>        | Genus Technologies, Inc.,   | Jun. 2000 – Jun. 2002. |
| <b>Intern,</b>                   | 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 (1997-2008).
- EURASIP member (2007-2009).

## **Publications:**

- **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.

- **Conferences:**

**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.

**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.

**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%**.

**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.

**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%**.

**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%**.

**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%**.

**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%**.

**C9. L. Bao**, “*MALS: Multiple Access Scheduling Based on Latin Squares*”, in Proc. IEEE Military Communications Conference (MILCOM), Oct. 31-Nov. 3, 2004.

**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.

**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.

**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.

- C13.** J. Wang and **L. Bao**, “*Mobile Context Handoff in Distributed IEEE 802.11 Systems*”, International Conference on Wireless Networks, Communications, and Mobile Computing (WIRELESSCOM), Jun. 13-16, 2005.
- C14.** L. Zan, J. Wang and **L. Bao**, “*Personal AP Protocol for Mobility Management in IEEE 802.11 Systems*”, The Second Annual International Conference on Mobile and Ubiquitous Systems: Networking and Services (MOBIQUITOUS), Jul. 17-21, 2005.
- C15.** J. Wang and **L. Bao**, “*Layer-2 Mobility Management in Hybrid Wired/Wireless Systems*”, The Second International Conference on Quality of Service in Heterogeneous Wired/Wireless Networks (QSHINE), Aug. 22 - 24, 2005.
- C16.** J. Lu, **L. Bao** and T. Suda, “*Probabilistic Self-Scheduling for Coverage Configuration in Sensor Networks*”, in Proc. of the International Conference on Sensing Technology (ICST), Nov. 2005.
- C17.** J. Lu, **L. Bao** and T. Suda, “*Coverage-Aware Sensor Scheduling in Dense Sensor Networks*”, in Proc. IFIP International Conference on Embedded and Ubiquitous Computing (EUC), Dec. 6-9 2005. The best paper award.
- C18.** D. Sy and **L. Bao**, “*CAPTRA: CoordinAted Packet TRAceback*”, The Fifth International Conference on Information Processing in Sensor Networks (IPSN), Apr. 19-21, 2006. **AR= 15%**.
- 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%**.
- C20.** **L. Bao**, “*A New Approach to Anonymous Multicast Routing in Ad Hoc Networks*”, In Proc. of The Second International Conference on Communications and Networking in China (CHINACOM), Shanghai, China, August 21-24, 2007.
- 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.
- 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.
- C23.** A. Gholamipour, E. Bozorgzadeh and **L. Bao**, “*Seamless Sequence of Software Defined Radio Designs through Hardware Reconfigurability of FPGAs*”, In Proc. of The International Conference on Computer Design (ICCD). Lake Tahoe, CA, USA, 2008.
- C24.** **L. Bao**, “*Location Authentication Methods for Network Access Control*”, In Proc. of the 27th International Performance Computing and Communications Conference (IPCCC). Austin, TX, USA, 2008.
- 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 International Performance Computing and Communications Conference (IPCCC). Austin, TX, USA, 2008.
- 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.
- 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.
- 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.

- C29. L. Bao**, E. Bozorgzadeh and S. Liao, “*Spectrum Access Scheduling among Heterogeneous Wireless Systems*”, accepted for publication by SDR Forum Technical Conference and Product Exposition (SDR), Washington, DC, 2009.
- C30. S. Liao and L. Bao**, “Implementing a Base Station Using the SDR Platform for Coexistence of Heterogeneous Wireless Systems”, (Demo) accepted for presentation in SDR Forum Technical Conference and Product Exposition (SDR), Washington, DC, 2009.
- C31. L. Bao** and S. Liao, “*Temporal Spectrum Access Scheduling in Heterogeneous Wireless Systems*”, The International Conference on Information Networking (ICOIN), 2009.
- C32. S. Liao and L. Bao**, “*Spatial Spectrum Reuse in Heterogeneous Wireless Systems*”, The International Conference on Information Networking (ICOIN), 2009.
- 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.
- **In workshops:**
- 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.
- 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.
- 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.
- W4. Y. Cho and L. Bao**, “*Secure Access Control for Location-Based Applications in WLAN Systems*”, In Proc. The Second International Workshop on Wireless and Sensor Networks Security (WSNS), Oct. 9-12, 2006.
- 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 Reconfigurable Architectures Workshop (RAW), Atlanta, USA, April 19-20, 2010.
- **Book chapters:**
- 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.
- 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.
- 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.
- 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.
- 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, 2009.

- **Journals:**

- 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.
- J2.** L. Bao and J.J. Garcia-Luna-Aceves, “*Receiver-Oriented Multiple Access in Ad Hoc Networks with Directional Antennas*”, ACM/Kluwer Mobile Networks and Applications (MONET), 2003.
- 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.
- 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.
- 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.
- 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.
- J7.** L. Bao and J.J. Garcia-Luna-Aceves, “*Stable Energy-Aware Topology Management in Ad Hoc Networks*”, accepted for publication in Ad Hoc Networks Journal, Elsevier, 2009.
- J8.** L. Bao and S. Liao, “*Spectrum Access Scheduling for Heterogeneous Wireless Systems Coexistence*”, accepted for publication in EURASIP Journal on Wireless Communications and Networking, 2009.
- J9.** L. Bao and S. Yang, “*New Channel Access Coordination Functions in Large Scale Wireless LAN Systems*”, accepted for publication in International Journal of Network Protocols and Algorithms (NPA), Vol. 1, Issue 1, Macrothink Institute, 2009.
- J10.** Y. Zhang, L. Bao, S.H. Yang and M. Welling, “*Localization Algorithms for Wireless Sensor Retrieval*”, accepted for publication in the Computer Journal (CJ), Special Issue on Algorithms, Protocols, and Future Applications of Wireless Sensor Networks, 2010.

- **Under submissions to conferences and journals:**

- S1.** L. Bao, Y. Zhang, S.H. Yang and M. Welling, “*Base Station Localization in Spatial Spectrum Reuse Applications*”, The 29th IEEE International Conference on Computer Communications (INFOCOM), 2010.
- S2.** L. Bao and S.H. Yang, “*A New Channel Access Coordination Function Based on Latin Squares*”, under review for publication in IEEE Transactions on Networking (TON), 2009.
- S3.** L. Bao, H. Tan, W. Zeng and T. Suda, “*Topology Management in Multi-Rate Ad Hoc Networks*”, under review for publication in IEEE Transactions on Wireless Communications (TWC), 2009.
- S4.** L. Bao, “*Area Based Access Control in Wireless Networks*”, under review for publication in International Journal of Communication Networks and Distributed Systems (IJCNDS), Inderscience Publishers, 2009.
- S5.** D. Wu, L. Bao and R. Li, “*A Holistic Approach to Wireless Sensor Network Routing in Underground Tunnel Environments*”, Computer Communications Journal, Elsevier, 2009.

**S6.** D. Wu, **L. Bao** and R. Li, "*Design and Evaluation of Localization Protocols and Algorithms in Wireless Sensor Networks Using UWB*", Ad Hoc & Sensor Wireless Networks, An International Journal, Old City Publishing, 2009.

- **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.

- **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.

**Teaching Activities:**

|   |   |
|---|---|
| CS132 "Computer Networks",                        | Winter'04, Spring'05, Spring'06,<br>Spring'08.            |
| CS133 "Advanced Computer Networks",               | Spring'09.  |
| CS 236/NetSys 230: "Wireless Networking"          | Spring'04, Winter'05, Spring'06,<br>Spring'07, Spring'08. |
| NetSys 295: "Networked Systems Research Seminar", | Fall'04.  |
| ICS 280/NetSys 270: "Ad Hoc Networking",          | Fall'04.  |
| CS 295/NetSys 270: "Wireless Mesh Networking",    | Spring'09.  |
| ICS 299 "Mobility Protocols",                     | Winter'06.  |
| ICS 299 "Economics in P2P Networks",              | Spring'06.  |

**Advising Activities:**

- ***Graduate student adviser:***

|                         |      |                        |
|-------------------------|------|------------------------|
| Denh Sy                 | CS   | Sep. 2004 – present.   |
| Shenghui Liao           | EECS | Aug. 2007 – present.   |
| Shih-Hsien Yang         | CS   | Sep. 2008 – present.   |
| Di Wu                   | CS   | Sep. 2009 – present.   |
| 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,  
Hong Tan,

Jun. 2006 – Sep. 2006.  
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):**

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

### **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), 1997-2002.  
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.

### **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.
- ***Committee member for the University:***
  - Council on Student Experience (CSE), 2007-2009.

### **Professional Services:**

- ***Proposal Panelists***
  - NSF NeTS Program, 2005, 2006.
  - 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.
- **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.
  - Journals:
    - 2003**- MC<sup>2</sup>R.
    - 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; MC<sup>2</sup>R; 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**- MC<sup>2</sup>R; Ad Hoc Networks Journal, Elsevier; Performance Evaluation, Elsevier; IEEE TMC, TVT.

### **Outreach Activities:**

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