

## Wei Wayne Li, Ph.D.

Department of Computer Science

Texas Southern University, Houston, TX 47004, USA

E-mail: [Liww@tsu.edu](mailto:Liww@tsu.edu) and Phone: 731-313-1871

### APPOINTMENTS

- 2008 - Professor with tenure at the Department of Computer Science, Texas Southern University Present (TSU), Houston, TX, USA. Also, worked as the Interim Chair of CS Department (2011-2016) and the Director of NSF CREST Center at TSU (2011-present)
- 2002 - Associate Professor (tenure track first and then early tenure awarded in 2006) and the 2007 Founding Director of Wireless and Mobile Network Laboratory at the Department of Electrical Engineering and Computer Science, the University of Toledo (UT), USA. Also, worked as a Research Faculty Fellow in 2005 Summer at Air Force Summer Faculty Fellowship Program in AFRL/HE WRIGHT-PATT AFB, OH, USA
- 1999 - Assistant Professor (tenure track) at Department of Electrical and Computer Engineering, 2002 College of Engineering, the University of Louisiana at Lafayette, LA, USA. Also, entitled as Bell South/BORSF Professor (1999-2002) in Tele- communications in the University of Louisiana at Lafayette (ULL), LA, USA; and entitled as the Bell South/LEQSF Regents Professor (1999-2002) in the Department of Electrical and Computer Engineering, ULL, USA
- 1995 - Associate Professor at the Department of Operations Research and Cybernetics, the 1999 Chinese Academy of Sciences, Beijing, China. Also, worked as a Research Staff at the University of Manitoba, Canada, worked as a Post-Doctoral Fellow at the University of Winnipeg, Canada, and worked as a Senior Research Staff at the University of Newcastle, England
- 1994 - Post-Doctoral Fellow at the National Laboratory of Complex System and Cybernetics, 1995 Chinese Academy of Sciences, Beijing, China

### PUBLICATION

#### Five Recent Publications Most Relevant

1. J. Wang and W. Li, Non-Cooperative and Cooperative Joining Strategies in Cognitive Radio Networks with Random Access, *IEEE Transactionson Vehicular Technology*, vol. 65, no.7, pp.5624-5636, 2016
2. Z. X. Lu, W. Li and M. Pan, Maximum Lifetime for Target Coverage and Data Collection in WSNs. *IEEE Transactions on Vehicular Technology*, vol. 64, no. 2, pp. 714-727, 2015
3. W. Ni, W. Li and M. Alam, Determination of Optimal CAC Policy in Wireless Networks. *IEEE Transactions on Wireless Communications*, vol. 8, no. 2, pp. 1038-1044, 2009
4. W. Li and Y. Fang, Performance of Wireless Networks with Mixed Channel Holding Times. *IEEE Transactions on Wireless Communications*, vol. 7, no. 2, pp. 2154-2160, 2008
5. W. Li and X. Chao, Call Admission Control for an Adaptive Multimedia Mobile Network. *IEEE Transactions on Wireless Communications*, vol.6, no.2, pp. 515-525, 2007

#### Five Other Significant Publications

1. B. Li, W. Li, F. Valois, S. Ubeda, H. Zhou and Y. Chen, Performance Analysis of an Efficient MAC Protocol with Multiple-Step Distributed In-Band Channel Reservation. *IEEE Transactions on Vehicular Technology*, vol. 59, no. 1, pp. 368-382, 2010

2. S. Tang and W. Li, An Adaptive Allocation Scheme with Priority for Integrated M-Networks. *IEEE Transactions on Wireless Communications*, vol. 5, pp. 2874-2886, 2006
3. X. Chao and W. Li, Performance Analysis of a Wireless Net with Multiple Classes of Calls. *IEEE Transactions on Communications*, vol. 12, no.9, 1542-1550, 2005
4. W. Li and X. Chao, Modelling and Performance Evaluation of a Cellular Mobile Networks. *IEEE/ACM Transactions on Networking*, vol. 12, no. 1, pp.131-145, 2004
5. W. Li, Y. Fang and R. Henry, Actual Call Connection Time Characterization for Wireless Mobile Networks under a General Channel Allocation Scheme. *IEEE Transactions on Wireless Communications*, vol. 1, no. 4, pp. 682-691, 2002

## PROFESSIONAL PREPARATION

- Ph.D. Chinese Academy of Sciences, Beijing, China, 1994  
 Master Hebei University of Technology, Tianjin, China, 1987  
 Bachelor Shaanxi Normal University, Xian, China, 1982

## SYNERGISTIC ACTIVITIES

### Research Grants Participation:

1. **PI** for NSF-1241626: Collaborative Project: Enriching Security Curricula and Enhancing Awareness of Aecurity in Computer Science and Beyond. **NSF**, 2012-2016
2. **PI** for NSF-1137732: Center for Research on Complex Networks. **NSF**, 2011-2017
3. **PI** for FA-9550-10-1-0128: Architecture and Performance Analysis of General Bio-Molecular Networks. Air Force Office of Scientific Research (**AFOSR**). 2010-2013
4. **PI** for NSF-0650409 (CNS-0830011) SGER: Theoretic Foundations and Advanced Analysis for Real-time, Hybrid and Embedded Systems. **NSF**, 2006-2009
5. **PI** for NSF-0515263 (CCF-0829769): Triggered Strategies in Wireless Networks with Multiple Calls, Multiple Channel and Multiple-Level QoS Degradations. **NSF**, 2005-2009
6. **PI** for NSF-0553258: Workshop on Algorithms and Complexity in Networks. **NSF**, 2005-2007
7. **PI** for LEQSF-RD-111A: Designing and Implementing Dynamic Teletraffic Models for PCS Networks and Applications. Louisiana Education Quality Support Fund (**LEQSF**), 2000-2003
8. **PI** for NSFC-69504011: Scheduling and Approximation Analysis of Repairable Computer Integration Manufacturing Systems (CIMS). NSF of China (**NSFC**), 1996-1997

### Professional Activities Participation:

1. Editor of International Journal of Sensor Networks (Current)
2. Editor of EURASIP Journal on Wireless Communications and Networking (Current)
3. Editor of International Journal of High Performance Computing and Networking (Current)
4. Editor of Recent Patents in Telecommunications (Current)
5. General Chair, Co-Chairs, Session Chairs and/or TPC Members for more than 90 International Conferences, some of which include: (1) Steering Board Member of International Conference on Wireless Algorithms, Systems and Applications (2009); (2) General Co-Chair for IEEE International Conference on Wireless Algorithms, Systems and Application (2007); (3) Publicity Co-Chair for the Fourth Annual Conference on Communication Networks and Services Research (CNSR 2006); (4) TPC Co-Chair for IEEE International Conference on Wireless Algorithms, Systems and Application (2006)
6. TPC Committee members for a number of conferences including INFOCOM, GlobeCom, ICC and WCNC et al.