

Service Statement

Xin Wang

Besides teaching and research activities, I also actively participate in various services. It is the diversity of contributions and the appreciation of those diverse contributions that make a department and university strong and vibrant, and a professional society healthy and upward. In my case, I have been participating in service activities that could leverage my unique skills, background, talents and interests.

Professional Services

My services have been associated with all the major professional societies in the areas related to networking research, including the Association for Computing Machinery (ACM), the Institute of Electrical and Electronics Engineers (IEEE), and the National Science Foundation (NSF).

I have been the associate editor of IEEE Transactions on Mobile Computing since 2013. I also served as technical program chair for several conferences and workshops, such as IEEE/ACM IWQoS 2014, ACM MobiSys MCS 2013, IEEE MSN 2010.

I was invited to serve as registration Co-Chair of highly reputed ACM MobiCom 2010, publicity Co-Chair ACM (MobiCom) in 2004. I have also been continuously invited to serve as the panelist for NSF panels in networking and computer system areas since 2004.

Additionally, I also played an active role in serving technical program committees (TPC) of several reputed conferences in networking and computing areas, including ACM Annual International Conference on Mobile Computing and Networking (MobiCom), IEEE Annual Conference on Computer Communications (INFOCOM), IEEE Annual International Conference on Pervasive Computing and Communications (PerCom), and IEEE International Conference on Distributed Computing Systems (ICDCS). Instead of simply delegating the review responsibility to the students, I reviewed many papers myself, and always participated in TPC discussions and meetings. Although the review load of these conferences is very high, I think it worth the extra effort to keep review consistency, fairness, and hence the quality of the conference.

I was also elected to be a member of the Practice Analysis Task Force group of IEEE Communications Society. Comprised of 17 subject-matter experts, the task group is working on the creation of a certification program for practitioners in Wireless Communications Engineering Technology (IEEE ComSoc **WCET**). Our goal is to compile a comprehensive description of what fully-engaged practitioners with three to five years of experience might be expected to do and what they need to know. The validated description of practice will be used to inform the experience and examination requirements for the certification program.

The specific committees I have served so far are listed below:

- Associate Editor: IEEE Transactions on Mobile Computing, 2013-
- NSF panels 2004, 2005, 2007, 2010, 2012
- DOE Panels 2009, 2010.

- Reviewer for Canada Foundation for Innovation, 2009.
- Steering committee member: IEEE/ACM International Symposium on Quality of Service (IWQoS), 2015-- present
- TPC Chair IEEE/ACM International Symposium on Quality of Service (IWQoS), 2014.
- TPC Chair ACM MobiSys Workshop on Mobile Cloud Computing and Services (MCS), 2013.
- TPC Vice-Chair International Conference on Mobile Ad-hoc and Sensor Networks (MSN), 2010.
- Registration Co-Chair MobiCom/MobiHoc 2010.
- Technical Program Committee (TPC) member, ACM Annual International Conference on Mobile Computing and Networking (MobiCom), 2004, 2005, 2009
- Technical Program Committee (TPC) member, Technical Program Committee (TPC) member, International Conference on Distributed Computing Systems (IEEE ICDCS), 2010, 2014, 2016.
- Technical Program Committee (TPC) member, IEEE Annual International Conference on Pervasive Computing and Communications (PerCom), 2007, 2008.
- Technical Program Committee (TPC) member, IEEE Annual Conference on Computer Communications Wireless Communications and Networking (INFOCOM), 2005-2016.
- Technical Program Committee (TPC) member, IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS), 2010, 2011, 2013.
- Technical Program Committee (TPC) member, IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON), 2008, 2011., 2013.
- Technical Program Committee (TPC) member, IEEE International Symposium on Quality of Service (IWQoS), 2010, 2014, 2015, 2016.
- Technical Program Committee (TPC) member, IEEE International Conference on Mobile Adhoc and Snesor Networks(MSN) 2010-2015.
- Technical Program Committee (TPC) member, IEEE Vehicular Technology Conference (VTC), 2007, 2008.
- Technical Program Committee (TPC) member, IEEE Wireless Communications and Networking Conference (WCNC), 2006
- Technical Program Committee (TPC) member, IEEE International Workshop on Next Generation Wireless Networks (WoNGeN), 2006
- Technical Program Committee (TPC) member, International Workshop on Convergence of Heterogeneous Wireless Networks (ConWiN), 2005

- Technical Program Committee (TPC) member, Third International Workshop on Measurement, Modeling, and Performance Analysis of Wireless Sensor Networks (SenMetrics), 2005

Referee for

IEEE/ACM Transactions on Networking (TON)
 IEEE Transactions on Wireless Communications (TWC)
 IEEE Transactions on Mobile Computing (TMC)
 IEEE Journal on Selected areas in Communications (JSAC)
 IEEE Transactions on Parallel and Distributed System (TPDS)
 IEEE Transactions on Multimedia
 IEEE Communications Magazine
 IEEE Communications Letter
 IEEE Networks
 IEEE INFOCOM, ICC, VTC, Global Internet, Packet Video
 Journal for Communications and Networks (JCN)
 Computer Networks Journal, Elsevier
 ACM Journal of Wireless Networks, Springer
 ACM Multimedia,
 ACM SIGCOMM

Departmental and University Services

Within Stony Brook, I have actively participated in services of the university, the department of electrical and computer engineering, computer science department, as well as activities and meetings of three research centers: the New York Center of Excellence in Wireless and Information Technology (CEWIT), the New York Center for Advanced Technologies in Sensors and Sensor Systems (Sensor CAT), and the New York Advanced Energy Research and Technology Center (AERTC).

The set of activities are listed as follows:

- Served as the department representative participating in the search of Dean of the School of Engineering and Applied Science, 2015.
- Participated in establishing new PhD degree requirements, Electrical and Computer Engineering Department, 2015.
- Participated in faculty hiring, SUNY at Stony Brook, 2008-2015. I have actively participated in faculty candidate interviews and hiring-related activities for both ECE department and CS department.
- Invited several speakers and potential investors from industry and academia to colloquium of ECE department and CEWIT, including the director of research of Huawei, one of the biggest telecommunication companies in the world, Research Fellow from Honeywell, world-known scholar from Columbia University, researchers from AT&T Lab, Nanyang University, Singapore, Beijing Univ. of Posts and Telecom, China, 2005-2014.

- Served as a member in Ph.D. defense and Ph.D. preliminary exam committees. I have served in the committees for 21 PhD students, 2005-2015
- Advisor for undergraduate student research and senior design 2008-2015. Three students obtained URECA award for their excellent research work.
- Advisor for Honor Undergraduate Students.
- Served as outside member of the faculty hiring committee, Computer Science Department, 2012.
- Participated in drafting the faculty hiring document for the Mobile Computing and Internet Technologies (MCIT) cluster, 2012.
- Participated in the university convocation ceremony, 2009, 2010, 2011, 2013. I represented the ECE faculty in the ceremony.
- Served in ABET course estimation committee, 2008-2015.
- Participated in the ABET mock review process and participate in discussion with outside consultant for improving departmental ABET results, 2010.
- Participated in preparing ECE department self-study materials, 2008. I have helped prepare materials in networking research area, and helped check typos and inconsistencies in the whole document.
- Presented at the IAB meeting of ECE department/Sensor CAT in 2007, 2010. I introduced our research work to industrial board members in the IAB meetings.
- Served in the graduate committee of ECE, SUNY at Stony Brook, 2006, 2007. I have participated in graduate student application review.
- Participated in ABET document preparation in EE area, SUNY at Stony Brook, 2006. My responsibility was to proof-read the documents in electrical engineering area, and correct errors and typos.
- Served as a monitor of the department website for potential problems since 2006-2015. I have provided suggestions for improving department website and pointed out various typos.
- Participated in department meetings. I have actively participated in various departmental meetings and discussions, and provided suggestions on various issues, 2005 – 2015.
- Invited the visitor from Honeywell Lab for potential collaborations with faculty in the department, 2007.
- Member of Center of Excellence in Wireless and Information Technology (CEWIT) (2005 - present). I have actively participated in various CEWIT activities, including the review and selection of papers for CEWIT Workshop of 2006, and making presentations to outside visitors between 2005-2015.
- Presented in Energy Meeting organized by energy center of Stony Brook, 2010.

- Presented in Technology Conference, organized by Stony Brook and Long Island Forum For Technology (LIFT), 2011.
- Presented at the annual workshop organized by Center of Excellence in Wireless and Information Technology (CEWIT) in 2006 - 2015.
- Participated in the annual energy conference organized by Stony Brook. 2008-2015.
- Presented at the workshop organized by Sensor CAT in 2007.
- Actively participating in activities of energy center and sensor CAT, 2005-2015.
- Graduate Committee, SUNY at Buffalo, 2004, 2005. I have participated in periodic committee meetings, revising the program requirements, and annual graduate student recruiting.
- Facility Committee, SUNY at Buffalo, 2004, 2005. I have participated in periodic committee meetings, and planning of department IT infrastructure.
- Colloquium Committee, SUNY at Buffalo, 2004, 2005. My responsibilities included inviting outstanding speakers, organizing the colloquium, and accompanying visitors.