Lan Wang (she/her/hers)

Dunavant Professor
Department of Computer Science
University of Memphis

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Research Interests: *Network Architecture and Protocol Design, Security and Privacy, Internet of Things, Wireless Mobile Health, 3D Mapping, Smart Cities, Autonomous Systems, Internet Measurements*

Education

- PhD in Computer Science, University of California, Los Angeles 06/2004
- MS in Computer Science, University of California, Los Angeles 12/1999
- BS in Computer Science, Peking University, China 07/1997

Experience

Program Director 10/2023 – present
Division of Engineering Education and Centers, Directorate for Engineering, National Science Foundation

Professor 09/2016 – present
Department of Computer Science, University of Memphis

Department Chair 02/2016 – 08/2023
Department of Computer Science, University of Memphis

Associate Chair 08/2015 – 01/2016
Department of Computer Science, University of Memphis

Associate Professor 09/2010 – 08/2016
Department of Computer Science, University of Memphis

Assistant Professor 08/2004 – 08/2010
Department of Computer Science, University of Memphis

Co-Director 03/2019 – present
DRONES Research Cluster, University of Memphis

Faculty Member 09/2005 – present
Center for Information Assurance (CFIA), a nationally-designated center on cybersecurity research (CAE-R) and education (CAE-CDE), University of Memphis

Honors

Willard R. Sparks Eminent Faculty Award (highest distinction given to a faculty member by the University) 2022
University of Memphis

University of Memphis Dunavant Professorship 2021

Distinguished Research Award 2020
College of Arts and Sciences, University of Memphis

Smart 50 Award (this award recognizes the most innovative smart cities projects) 2020
Smart Cities Connect

Alumni Association Distinguished Research Award in Science, Engineering, and Mathematics 2019
University of Memphis

PI Millionaire 2015
University of Memphis

Early Career Research Award 2010
College of Arts and Sciences, University of Memphis

Teaching

Networking and Information Assurance, COMP3825 (Undergraduate)
University of Memphis, Fall 2007, Fall 2008, Fall 2009, Fall 2010, Fall 2014, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018

Wireless Mobile Computing, COMP4/6310 (Graduate/Undergraduate)
University of Memphis, Fall 2005, Fall 2006, Spring 2010, Spring 2015

Advanced Computer Networks, COMP7/8311 (Graduate)
University of Memphis, Spring 2005, Spring 2006, Spring 2007, Spring 2008, Spring 2009, Spring 2012

Computer Security, COMP4/6410 (Graduate/Undergraduate)
University of Memphis, Fall 2013

Models of Computation, COMP4/6601 (Graduate/Undergraduate)
University of Memphis, Spring 2011, Fall 2012, Spring 2014

Foundations of Computing, COMP7612 (Graduate)
University of Memphis, Spring 2013

Web Services and the Internet, COMP4/6302 (Graduate/Undergraduate)
University of Memphis, Spring 2006, Spring 2007

CS2 Data Structures, COMP2150 (Undergraduate)
University of Memphis, Fall 2005, Fall 2006

Internet Applications/Java Programming, COMP4/6302 (Graduate/Undergraduate)
University of Memphis, Fall 2004, Spring 2005

External Funding ($7,731,342)

Activity	**Source**	**Amount**	**Period**
Mission-Integrated Network Control (MINC) (PI)	DARPA (Prime: Peraton Labs)	$906,190	1/5/2022-6/30/2025

Multi-UAS Multi-Sensor Intelligence, Surveillance and Reconnaissance (Co-PI)	Army Research Office	$2,707,364	8/1/2021-7/31/2023
CC* Integration-Large: A Secure Real-time Data Distribution System with Fine-Grained Access Control for mHealth Research (PI)	NSF	$825,000	10/1/2020-9/30/2023
Growing Future Workforce Diversity in Collaboration with Intel (PI)	Intel Labs	$36,000	10/1/2021-9/30/2022
Map901: Building Rich Interior Hazard Maps for First Responders (PI)	NIST/City of Memphis	$351,107	10/1/2018-9/30/2022
CRI-New: Collaborative: Building the Core NDN Infrastructure (PI)	NSF	$532,000	9/1/2016-8/31/2022
Testing & Evaluation for Autonomous Cyber-Physical Systems: Research and Industry Best Practices (Co-PI)	Air Force Institute of Technology	$120,000	9/1/2019-6/30/2020
Secure Handhelds on Assured Resilient networks at the tactical Edge (SHARE) (PI)	DARPA/Perspecta Labs	$616,312	10/6/2017-3/31/2021
NeTS: Student Travel Support for the 2017 SIGCOMM Conference (PI)	NSF	$20,000	6/1/17-5/31/18
FIA-NP: Collaborative Research: Named Data Networking Next Phase (NDN-NP) (PI)	NSF	$582,000	5/1/2014 - 4/30/2018
Scaling NDN Routing through Name Mapping (PI)	Cisco	$99,985	2/1/2013 - 7/31/2014
FIA: Collaborative Research: Name Based Networking (PI)	NSF	$502,083	9/1/2010 - 8/31/2014
NeTS - FIND Collabortive Research: Enabling Future Internet innovations through Transit wire (eFIT) (PI)	NSF	$246,355	9/1/2007 - 8/31/2012
CRI: Collaborative Research: Building the Next-Generation Global Routing Monitoring System (PI)	NSF	$186,946	8/15/2006 - 7/31/2011

Internal Funding ($456,216)

Activity	**Source**	**Amount**	**Period**
Signac: Portable 3D Scanner (Co-PI)	FIT Development Grants	$20,000	12/1/2019-6/15/2020
Deep Learning based Autonomous Detection, Classification and Localization of Weed using Unmanned Aerial Vehicles (UAVs) (Co-PI)	FIT Agriculture & Food Tech Cluster	$8,000	5/1/2019-12/31/2020

Map901: Building Rich Interior Hazard Maps for First Responders (PI)	FIT Smart City Cluster	$3,000	11/1/2018-12/31/2019
Real-time Interactions and Navigation of Autonomous Vehicles for Optimized Unmanned Package Delivery (PI)	FIT DRONES Cluster	$30,000	7/1/2018-12/31/2019
PKChain: Decentralized Public-Key Management System based on Blockchain Technology (Co-PI)	FIT CAST Cluster	$15,000	7/1/2018-12/31/2019
Computer Science Small Equipment Grant (PI)	CAS Research Instrumentation Initiative	$25,000	1/2017 - Present
Smart City Innovation Hub: Phase 1, Connected and Autonomous Vehicle Readiness Index (Co-PI)	Research Investment Fund	$100,000	11/1/2017-1/31/2019
Robust and Anonymous Information Sharing among Autonomous Vehicle (PI)	FIT DRONES Cluster	$20,000	2/16/2017-6/30/2018
Protecting Data Security in Smart Internet-of-Things (IoT) Environments (PI)	FIT CAST Cluster	$10,000	1/1/2017-12/31/2017
Secure Information Sharing among Autonomous Vehicles (PI)	FIT/UM	$12,000	1/2016-12/2016
Exploring a Data-Centric Approach to Securing Smart Homes (PI)	FIT/UM	$12,000	11/2015-8/2016
A Real-Time Demonstration System of FIB Aggregation (PI)	FIT/UM	$23,000	2013
CLION: Center of Large-Scale Complex Systems & Integrated Optimization Networks (Founding Member)	FIT/UM	$56,716	2009 - 2011
Distributed Intelligence in Biologically-Motivated Multi-Agent Systems for Employment in Complex Warfare Scenarios (Research Member)	FIT/UM	$13,000	2008 - 2009
Preparing Students for an Embedded Everywhere World (Co-PI)	U. Memphis	$10,000	1/2007 - 1/2008
Network Infrastructure Testing Suite (PI)	FIT/UM	$5,000	12/2006 - 5/2007
SNAP: Sensor Network for Assessment of Patients (PI)	U. Memphis	$6,500	5/2006 - 7/2007

Patents

US Patent 11582024: Blockchain-based Decentralized Public Key Management System
Kan Yang, Lan Wang, 2023

US Patent No. 10091105: Efficient Forwarding Information Base Caching System and Method
Yaoqing Liu, Lan Wang, 2018

US Patent No. 9733351: Surveillance and Tracking System and Method
Robert Kozma, Khan M. Iftekharuddin, Lan Wang, Ross Deming, 2017

US Patent No. 9557413: Surveillance and Tracking System and Method
Robert Kozma, Lan Wang, Khan Iftekaruddin, Ross Deming, Robert Linnehan, Sergi Consul, 2017

US Patent No. 9491087: Devices and Methods for Forwarding Information Base Aggregation
Yaoqing Liu, Lan Wang, Beichuan Zhang, Xin Zhao, 2016

Selected Press Releases and Coverage

Using Lasers to Save Lives - Mapping the indoors with LIDAR for public safety use cases
National Institute of Standards and Technology (NIST), Nov. 2020

Memphis 3D mapping project charts the future of emergency response
Tennessee Municipal League (TML), Nov. 2020

3D Capture's Promise to Increase Public Safety: A Progress Report
Geo Week News, Jan. 2020

Researchers tap LiDAR-enabled indoor mapping for responders
GCN, Aug. 2019

How 3-D Mapping Technology Could Improve Firefighter Safety
Route Fifty, Aug. 2019

U of M Partners to Improve Internet Security
High Ground News, Oct. 1, 2014

University-Industry Consortium Launched to Advance Internet of the Future
University of Memphis Press Release, Sept. 8, 2014

University Students Working to Build "Next Phase" of Internet
The Daily Helmsman, Aug. 25, 2014

University of Memphis Professor Develops "New Internet"
Memphis Flyer, July 17, 2014

NSF Announces Future Internet Architecture Awards
NSF Press Release, Aug. 27, 2010

Publications

Google Scholar Profile: `http://scholar.google.com/citations?user=o_hq28oAAAAJ&hl=en`

BOOK CHAPTERS AND JOURNAL PAPERS

1. M. Hossain, T. Ma, T. Watson, B. Simmers, J. A. Khan, E. Jacobs, L. Wang, Building Rich Interior Hazard Maps for Public Safety, *Communications in Computer and Information Science*, vol 1612, Springer, 2022
2. V. Lehman, AKM Hoque, Y. Yu, B. Zhang, L. Zhang, L. Wang, A Secure Link State Routing Protocol for NDN, *IEEE Access*, vol. 6, issue 1, pp. 10470-10482, Jan. 2018
3. I. Voitalov, R. Aldecoa, L. Wang, D. Krioukov, Geohyperbolic Routing and Addressing Schemes, *ACM SIGCOMM Computer Communication Review*, vol. 47, issue 3, July 2017
4. Y. Liu, V. Lehman, L. Wang, Efficient FIB caching using minimal non-overlapping prefixes, *Computer Networks*, Mar. 2015
5. J. P. Abraham, Y. Liu, L. Wang, B. Zhang, A Flexible Quagga-based Virtual Network with FIB Aggregation, *IEEE Network*, vol. 28, no. 5, pp. 47-53, Sept. 2014
6. L. Zhang, A. Afanasyev, J. Burke, V. Jacobson, kc claffy, P. Crowley, C. Papadopoulos, L. Wang, B. Zhang, Named Data Networking, *ACM SIGCOMM Computer Communication Review (CCR)*, vol. 44, no. 3, pp. 66-73, July 2014
7. D. Jen, M. Meisel, D. Massey, L. Wang. B. Zhang, L. Zhang, APT: A Practical Tunneling Architecture for Routing Scalability (book chapter), M. Boucadair, & D. Binet (Eds.), *Solutions for Sustaining Scalability in Internet Growth*, pp. 60-82, IGI Global, 2014 (released in July 2013)
8. Y. Liu, X. Zhao, L. Wang, B. Zhang, On the Aggregatability of Router Forwarding Tables (book chapter), M. Boucadair, & D. Binet (Eds.), *Solutions for Sustaining Scalability in Internet Growth*, pp. 39-59, IGI Global, 2014 (released in July 2013)
9. M. Khan, E. McCracken, K. Islam, S. Bhurtel, L. Wang, R. Kozma, K. M. Iftekharuddin, Autonomous Wireless Radar Sensor Mote for Target Material Classification, *Elsevier Digital Signal Processing*, vol. 23, no. 3, pp. 722-735, May 2013
10. C. Yi, A. Afanasyev, I. Moiseenko, L. Wang, B. Zhang, L. Zhang, A Case for Stateful Forwarding Plane, *Elsevier Computer Communications, Special Issue on Information-Centric Networking*, vol. 36, no. 7, pp. 779-791, April 2013
11. Y. Liu, S. Amin, L. Wang, Efficient FIB Caching using Minimal Non-overlapping Prefixes, *ACM SIGCOMM Computer Communication Review (CCR)*, vol. 43, no. 1, pp. 15-21, Jan. 2013
12. A. Afanasyev, C. Yi, L. Wang, B. Zhang, L. Zhang, Adaptive Forwarding in Named Data Networking, *ACM SIGCOMM Computer Communication Reviews (Editorial Note)*, vol. 42, no. 3, pp. 62-67, Jul. 2012
13. R. Kozma, L. Wang, K. M. Iftekharuddin, E. McCracken, M. Khan, K. Islam, S. R Bhurtel, R. M. Demirer, A Radar-Enabled Sensor System Integrating COTS Technology for Surveillance and Tracking, *Sensors*, vol. 12, no. 2, pp. 1336-1351, Jan. 2012
14. K. Malasri, L. Wang, Securing Wireless Implantable Healthcare Devices (book chapter), *2011 McGraw-Hill Yearbook of Science & Technology*, pp. 296-298, 2011
15. V. Khare, D. Jen, X. Zhao, Y. Liu, B. Zhang, D. Massey, L. Wang, L. Zhang, Evolution towards Global Routing Scalability, *IEEE Journal on Selected Areas in Communications, Special Issue on Internet Routing Scalability*, vol. 28, no. 8, pp. 1363-1375, Oct. 2010
16. K. Malasri, L. Wang, Design and Implementation of a Secure Wireless Mote-based Medical Sensor Network, *Sensors*, vol. 9, no. 8, pp. 6273-6297, August 2009
17. K. Malasri, L. Wang, Securing Wireless Implantable Devices for Healthcare: Ideas and Challenges, *IEEE Communications*, vol. 47, no. 7, pp. 74-80, July 2009
18. S. Kumar, L. Wang, Ad Hoc and Sensor Networks (book chapter), *Encyclopedia of Computer Science and Engineering*, Wiley, Jan 2009

19. L. Wang, D. Massey, L. Zhang, Persistent Detection and Recovery of State Inconsistencies, *Computer Networks*, vol. 51, no. 6, pp. 1444-1458, April 2007

20. L. Wang, Y. Xiao, A Survey of Energy-Efficient Scheduling Mechanisms in Sensor Networks, *Springer Mobile Networks and Applications (MONET)*, vol. 11, no. 5, pp. 723-740, Oct. 2006

21. L. Wang, X. Zhao, D. Pei, R. Bush, D. Massey, L. Zhang, Protecting BGP Routes to Top Level DNS Servers, *IEEE Transactions on Parallel and Distributed Systems*, vol. 14, no. 9, pp. 851-860, Sept. 2003

Conference and Workshop Papers

22. S. Dulal, L. Wang, Reining in Redundant Traffic through Adaptive Duplicate Suppression in Multi-Access NDN Networks, in *Proceedings of ACM Conference on Information-Centric Networking (ICN)*, Oct. 2023

23. L. Wang, A. Lane, C. Serban, J. Elwell, A. Afanasyev, L. Zhang, Investigating the Synergy between Routing and Forwarding Strategy in NDN Networks, in *Proceedings of ACM Conference on Information-Centric Networking (ICN)*, Oct. 2023

24. M. S. H. Younis, M. Hossain, A. L. Robinson, L. Wang, C. Preza, Hyperspectral Unmixing-based Anomaly Detection, in *Proceedings of the SPIE 12523, Computational Imaging VII, 1252302*, June 2023

25. D. Townley, Y. Kim, F. Douglis, J. Elwell, C. Serban, L. Wang, A. Afanasyev, L. Zhang, Secure NDN Packet Encapsulation, in *Proceedings of IEEE International Conference on Communications*, May 2023

26. S. Dulal, L. Wang, NDNSD: Service Publishing and Discovery in NDN, in *Proceedings of the IEEE Military Communications Conference (MILCOM)*, pp. 699-704, Nov. 2022

27. S. Dulal, N. Ali, A. Thieme, T. Yu, S. Liu, S. Regmi, L. Zhang, L. Wang, Building a Secure mHealth Data Sharing Infrastructure over NDN, in *Proceedings of ACM Conference on Information-Centric Networking (ICN)*, Sept. 2022

28. P. Moll, V. Patil, L. Wang, L. Zhang, SoK: The Evolution of Distributed Dataset Synchronization Solutions in NDN, in *Proceedings of ACM Conference on Information-Centric Networking (ICN)*, Sept. 2022

29. S. Dulal, L. Wang, Adaptive Duplicate Suppression for Multicasting in Multi-Access NDN Network, in *Proceedings of ACM Conference on Information-Centric Networking (ICN)*, poster, Sept. 2022

30. T. P. Watson, L. Wang, E. L. Jacobs, Automatic Alignment of Mixed-Resolution 3D Point Cloud Data, in *Proceedings of Laser Radar Technology and Applications XXVII, vol. 12110*, pp. 93-106. SPIE, June 2022

31. Y. Hu, C. Serban, L. Wang, A. Afanasyev, L. Zhang, BBR-Inspired Congestion Control for Data Fetching over NDN, in *Proceedings of IEEE Military Communications Conference (MILCOM)*, Nov. 2021

32. Y. Hu, C. Serban, L. Wang, A. Afanasyev, L. Zhang, PLI-Sync: Prefetch Loss-Insensitive Sync for NDN Group Streaming, in *Proceedings of IEEE ICC Next-Generation Networking and Internet Symposium, June 2021*,

33. L. Fan, L. Wang, Secure Sharing of Spatio-Temporal Data through Name-based Access Control, in *Proceedings of IEEE Global Internet Symposium*, May 2021

34. M. Hossain, T. Ma, T. Watson, B. Simmers, J. A. Khan, E. Jacobs, L. Wang, Building Indoor Point Cloud Datasets with Object Annotation for Public Safety, in *Proceedings of the 10th International Conference on Smart Cities and Green ICT Systems (SMARTGREENS)*, April 2021 (Best Student Paper Nominee)

35. A. Afanasyev, L. Wang, E. Yeh, B. Zhang, L. Zhangi, Identifying the Disease from the Symptoms: Lessons for Networking in the COVID-19 Era, *Internet Architecture Board COVID-19 Network Impacts Workshop*, white paper, Nov. 2020

36. M. Chowdhury, J. Khan, L. Wang, Leveraging Content Connectivity and Location Awareness for Adaptive Forwarding in NDN-based Mobile Ad Hoc Networks, in *Proceedings of ACM Conference on Information-Centric Networking (ICN)*, Sept. 2020 (acceptance ratio of long papers: 25.6% = 10/39)

37. B. Simmers, E. L. Jacobs, L. Wang, A. Ramirez, Discrimination between and Geolocation of Cotton and Palmer Amaranth using Spectral and Geometric Data, in *Proc. SPIE 11414, Autonomous Air and Ground Sensing Systems for Agricultural Optimization and Phenotyping V, 1141405*, May 2020

38. L. Wang, L. Zhang, Toward a Name-Based Data-Centric Platform for Scientific Research, *Large Scale Networking (LSN) Workshop on Huge Data: A Computing, Networking and Distributed Systems Perspective*, white paper, Apr. 2020

39. A. Gawande, J. Clark, D. Coomes, L. Wang, Decentralized and Secure Multimedia Sharing Application over Named Data Networking, in *Proceedings of ACM Conference on Information Centric Networking (ICN)*, Sept. 2019 (acceptance ratio of long papers: 30.6% = 11/36)

40. M. Chowdhury, J. Khan, L. Wang, Smart Forwarding in NDN VANET, in *Proceedings of ACM Conference on Information Centric Networking (ICN)*, poster, Sept. 2019

41. J. Khan, L. Wang, E. Jacobs, A. Talebian, S. Mishra, C. Santo, M. Golias, C. Astorne-Figari, Smart Cities Connected and Autonomous Vehicles Readiness Index, in *Proceedings of ACM/EIGSCC Symposium On Smart Cities and Communities (SCC)*, Sept. 2019

42. W. Shang, A. Gawande, M. Zhang, A. Afanasyev, J. Burke, L. Wang, L. Zhang, Publish-Subscribe Communication in Building Management Systems over Named Data Networking, in *Proceedings of IEEE International Conference on Computer Communications and Networks (ICCCN)*, invited paper, July 2019

43. S. Dulal, L. Wang, Experimental Comparison between Geohyperbolic and Hyperbolic Routing in NDN, in *IEEE INFOCOM 2019*, poster, March 2019

44. T. Li, W. Shang, A. Afanasyev, L. Wang, L. Zhang, A Brief Introduction to NDN Dataset Synchronization (NDN Sync), in *Proceedings of IEEE Military Communications Conference (MILCOM)*, Oct. 2018

45. A. Afanasyev, J. Burke, T. Rafaei, L. Wang, B. Zhang, L. Zhang, A Brief Introduction to Named Data Networking, in *Proceedings of IEEE Military Communications Conference (MILCOM)*, Oct. 2018

46. A. Padmanabhan, L. Wang, L. Zhang, Automated Tunneling Over IP Land: Run NDN Anywhere, in *Proceedings of ACM Conference on Information Centric Networking (ICN)*, Poster, Sept. 2018

47. D. Coomes, A. Gawande, N. Gordon, L. Wang, Android Multimedia Sharing Application over NDN, in *Proceedings of ACM Information Centric Networking (ICN)*, Demo, Sept. 2018

48. K. Yang, J. J. Sunny, L. Wang, Blockchain-based Decentralized Public Key Management for Named Data Networking, in *in Proceedings of International Conference on Computer Communications and Networks (ICCCN 2018)*, invited paper, Aug. 2018

49. L. Pi, L. Wang, Secure Bootstrapping and Access Control in NDN-based Smart Home Systems, in *Proceedings of IEEE INFOCOM 2018*, Poster, Apr. 2018

50. Y. Zhang, L. Wang, A. Afanasyev, L. Zhang, Similar Yet Different: Protocol Design Choices in IS-IS and OSPF, in *Proceedings of Asian Internet Engineering Conference (AINTEC)*, Nov. 2017

51. K. Schneider1, B. Zhang, L. Wang, L. Zhang, Near Loop-free Routing: Increasing Path Choices with Stateful Forwarding, in *Proceedings of ACM International Conference on Information-Centric Networking (ICN)*, Poster, Sept. 2017

52. M. Chowdhury, A. Gawande, L. Wang, Anonymous Authentication and Pseudonym-Renewal for VANET in NDN, in *Proceedings of ACM Conference on Information-Centric Networking (ICN)*, Demo, Sept. 2017

53. M. Chowdhury, A. Gawande, L. Wang, Secure Information Sharing among Autonomous Vehicles, in *Proceedings of ACM International Conference on Internet-of-Things Design and Implementation (IoTDI)*, April 2017

54. M. Zhang, V. Lehman, L. Wang, Scalable Name-based Data Synchronization for Named Data Networking, in *Proceedings of IEEE INFOCOM 2017*, April 2017 (acceptance ratio: 20.93% = 292/1,395)

55. V. Lehman, A. Gawande, R. Aldecoa, D. Krioukov, B. Zhang, L. Zhang, L. Wang, An Experimental Investigation of Hyperbolic Routing with a Smart Forwarding Plane in NDN, in *Proceedings of the IEEE IWQoS Symposium*, June 2016 (acceptance ratio: 20.6% = 27/131)

56. J. Cao, D. Pei, Z. Wu, X. Zhang, B. Zhang, L. Wang, Y. Zhao, Improving the Freshness of NDN Forwarding States, in *Proceedings of IFIP Networking*, May 2016 (acceptance ratio: 29% = 58/200)

57. L. Wang, Challenges in Designing a Network Service Model for Efficient Data Sharing, DOE Network Challenge 2025 Workshop, in *Feb. 2016*,

58. A. Afanasyev, C. Yi, L. Wang, B. Zhang, L. Zhang, SNAMP: Secure Namespace Mapping to Scale NDN Forwarding, in *Proceedings of the 18th IEEE Global Internet Symposium (GI 2015)*, April 2015

59. C. Yi, J. Abraham, A. Afanasyev, L. Wang, B. Zhang, L. Zhang, On the Role of Routing in Named Data Networking, in *Proceedings of ACM Conference on Information Centric Networking*, Sept. 2014 (acceptance ratio: 18.3% = 17/93)

60. AKM M. Hoque, S. O. Amin, A. Alyyan, B. Zhang, L. Zhang, L. Wang, NLSR: Named-data Link State Routing Protocol, in *Proceedings of ACM SIGCOMM ICN Workshop*, August 2013 (acceptance ratio: 20%)

61. Y. Liu, B. Zhang, L. Wang, FIFA: Fast Incremental FIB Aggregation, in *Proceedings of IEEE INFOCOM*, April 2013 (acceptance ratio: 17.4% = 280/1613)

62. K. M. Iftekharuddin, M. M. R. Khan, E. McCracken, L. Wang, R. Kozma, Autonomous Wireless Radar Sensor Mote Integrating a Doppler Radar into a Sensor Mote and its Application in Surveillance and Target Material Classification, in *Proceedings of 56th SPIE Annual Meeting*, Vol. 8134, 15 pages, San Diego, CA, Aug. 2011

63. D. Massey, C. Papadopoulos, L. Wang, B. Zhang, L. Zhang, Teaching Network Architecture through Case Studies, in *SIGCOMM 2011 Education Workshop*, Aug. 2011

64. Y. Liu, X. Zhao, L. Wang, B. Zhang, Incremental Forwarding Table Aggregation, in *Proceedings of IEEE GLOBECOM Next-Generation Networking (NGN) Symposium*, pp. 1-6, Dec. 2010

65. R. Kozma, L. Wang, K. Iftekharuddin, E. McCracken, M. Khan, K. Islam, R. M. Demirer, A Multi-Modal Sensor System Integrating COTS Technology for Surveillance and Tracking, in *Proceedings of IEEE International Radar Conference*, pp. 1030-1035, May 2010

66. X. Zhao, Y. Liu, L. Wang, B. Zhang, On the Aggregatability of Router Forwarding Tables, in *Proceedings of IEEE INFOCOM 2010*, pp. 1-9, Apr. 2010 (acceptance ratio 17.5% = 276/1575)

67. L. Wang, Q. Wu, Y. Liu, Design and Validation of PATRICIA for the Mitigation of Network Flooding Attacks, in *Proceedings of the IEEE/IFIP International Symposium on Trusted Computing and Communications*, pp. 651-658, August 2009

68. H. Yan, D. Massey, E. McCracken, L. Wang, BGPMon and NetViews: Real-Time BGP Monitoring System, *IEEE INFOCOM*, Demo, April 2009

69. D. Jen, M. Meisel, H. Yan, D. Massey, L. Wang, B. Zhang, L. Zhang, Towards A New Internet Routing Architecture: Arguments for Separating Edges from Transit Core, in *Proceedings of ACM HotNets (Hot Topics in Networks)*, pp. 103-108, Oct 2008 (acceptance ratio: 20% = 22/110)

70. K. Malasri, L. Wang, Design and Implementation of a Secure Wireless Mote-based Medical Sensor Network, in *Proceedings of the 10th International Conference on Ubiquitous Computing (UbiComp)*, pp. 172-181, Sept. 2008 (acceptance ratio: 18.6% = 42/226)

71. L. Wang, Q. Wu, D. D. Luong, Engaging Edge Networks in Preventing and Mitigating Undesirable Network Traffic, in *Proceedings of 3rd Workshop on Secure Network Protocols (NPSEC) in conjunction with IEEE ICNP*, pp. 1-6, Oct. 2007

72. D. Massey, L. Wang, B. Zhang, L. Zhang, A Scalable Routing System Design for Future Internet, in *Proceedings of ACM SIGCOMM Workshop on IPv6 and the Future of the Internet*, 6 pages, August 2007 (acceptance ratio: 29.3%)

73. K. Malasri, L. Wang, Addressing Security in Medical Sensor Networks, in *Proceedings of ACM SIGMOBILE HealthNet Workshop (in conjunction with ACM MobiSys)*, pp. 7-12, June 2007 (acceptance ratio: 26% = 13/50)

74. L. Wang, M. Saranu, J. Gottlieb, D. Pei, Understanding BGP Session Failures in a Large ISP, in *Proceedings of IEEE INFOCOM*, pp. 348-356, May 2007 (acceptance ratio: 18% = 252/1400)

75. L. Wang, C. Ellis, W. Yin, D. D. Luong, Hercules: An Environment for Large-Scale Enterprise Infrastructure Testing, in *Proceedings of the Workshop on Advances and Innovations in Systems Testing*, May 2007

76. S. Balachandran, D. Dasgupta, L. Wang, A Hybrid Approach for Misbehavior Detection in Wireless Ad-Hoc Networks, in *Proceedings of the 2nd Symposium on Information Assurance*, pp. 50-60, June 2006

77. K. Malasri, L. Wang, SNAP: An Architecture for Secure Medical Sensor Networks, in *IEEE SECON, Poster*, pp. 160-162, Reston, VA, Sept. 2006

78. B. Zhang, V. Kambhampati, D. Massey, R. Oliveira, D. Pei, L. Wang, L. Zhang, A Secure and Scalable Internet Routing Architecture, in *ACM SIGCOMM*, Poster, 2 pages, Sept. 2006

79. L. Wang, Y. Xiao, Energy Saving Mechanisms in Sensor Networks, in *Proceedings of the IEEE International Conference on Broadband Networks (IEEE Broadnets)*, pp. 724-732, Oct. 2005

80. J. R. Bradley, L. Wang, Understanding Malicious Worms' Impact on the Internet Infrastructure through Realistic Simulation, in *USENIX NSDI (Networked System Design and Implementation)*, Poster, May 2005

81. L. Wang, D. Massey, K. Patel, L. Zhang, FRTR: A Scalable Mechanism for Global Routing Table Consistency, in *Proceedings of the International Conference on Dependable Systems & Network (DSN'04)*, pp. 465-474, June 2004 (acceptance ratio: 22% = 83/377)

82. S. T. Teoh, K. Ma, S. F. Wu, D. Massey, X. Zhao, D. Pei, L. Wang, L. Zhang, R. Bush, Visual-based Anomaly Detection for BGP Origin AS Change (OASC) Events, in *Proceedings of the Distributed Systems, Operations, and Management Workshop (DSOM'03)*, pp. 155-168, Oct 2003 (acceptance ratio: 23.8% = 20/84)

83. D. Pei, L. Wang, D. Massey, S. F. Wu, L. Zhang, A Study of Packet Delivery Performance during Routing Convergence, in *Proceedings of the International Conference on Dependable Systems & Networks (DSN'03)*, pp. 183-192, June 2003 (acceptance ratio: 30.8% = 45/146)

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85. X. Zhao, M. Lad, D. Pei, L. Wang, D. Massey, S. F. Wu, L. Zhang, Understanding BGP Behavior Through A Study of DoD Prefixes, in *Proceedings of DISCEX III*, pp. 214-225, April 2003 (acceptance ratio: 30%)

86. L. Wang, X. Zhao, D. Pei, R. Bush, D. Massey, A. Mankin, S. F. Wu, L. Zhang, Observation and Analysis of BGP Behavior under Stress, in *Proceedings of the Second ACM SIGCOMM Internet Measurement Workshop (IMW'02)*, pp. 183-195, Nov. 2002 (full paper acceptance ratio: 24.2% = 15/62)

87. D. Pei, X. Zhao, L. Wang, D. Massey, A. Mankin, S. F. Wu, L. Zhang, Improving BGP Convergence Through Consistency Assertions, in *Proceedings of IEEE INFOCOM 2002*, pp. 902-911, June 2002 (acceptance ratio: 20.5% = 192/938)

88. X. Zhao, D. Pei, L. Wang, D. Massey, A. Mankin, S. F. Wu, L. Zhang, Detection of Invalid Routing Announcements in the Internet, in *Proceedings of the International Conference on Dependable Systems and Networks (DSN'02)*, pp. 59-68, June 2002 (acceptance ratio: 31% = 48/156)

89. X. Zhao, D. Pei, L. Wang, D. Massey, A. Mankin, S. F. Wu, L. Zhang, An Analysis of BGP Multiple Origin AS (MOAS) Conflicts, in *Proceedings of the First ACM SIGCOMM Internet Measurement Workshop (IMW'01)*, pp. 31-35, Nov. 2001 (acceptance ratio: 26.4% = 14/53)

90. A. Terzis, K. Nikoloudakis, L. Wang, L. Zhang, IRLSim: A General Purpose Packet Level Network Simulator, in *Proceedings of 33rd Annual Simulation Symposium*, pp. 109-120, April 2000

91. L. Wang, A. Terzis, L. Zhang, A New Proposal for RSVP Refreshes, in *Proceedings of the 7th International Conference on Network Protocols (ICNP'99)*, pp. 163-172, Oct. 1999 (acceptance ratio 27.5% = 36/131)

92. A. Terzis, L. Wang, J. Ogawa, L. Zhang, A Two-Tier Resource Management Model for the Internet, in *Proceedings of Global Internet 99*, pp. 1779-1791, Dec. 1999 (acceptance ratio 23.9% = 28/117)

93. M. Kazantzidis, L. Wang, M. Gerla, On Fairness and Efficiency of Adaptive Audio Application Layers for Multihop Wireless Networks, in *Proceedings of IEEE MOMUC'99*, pp. 357-362, Nov. 1999

94. A. Terzis, J. Ogawa, S. Tsui, L. Wang, L. Zhang, A Prototype Implementation of the Two-Tier Architecture for Differentiated Services, in *Proceedings of the 5th IEEE Real-Time Technology and Applications Symposium (RTAS'99)*, June 1999

95. M. Gerla, R. Bagrodia, L. Zhang, K. Tang, L. Wang, TCP over Wireless Multihop Protocols: Simulation and Experiments, in *Proceedings of the IEEE International Conference on Communications (ICC'99)*, pp. 1089-1094, June 1999

Other Publications

96. T. Yu, Z. Zhang, E. Newberry, A. Afanasyev, G. Pau, L. Wang, L. Zhang, Names to Rule Them All: Unifying Mobile Networking via Named Secured Data, *NDN Technical Report NDN-0072, Revision 2*, Sept. 2022

97. A. Afanasyev, J. Shi, B. Zhang, L. Zhang, I. Moiseenko, Y. Yu, W. Shang, Y. Li, S. Mastorakis, Y. Huang, J. P. Abraham, E. Newberry, S. DiBenedetto, C. Fan, C. Papadopoulos, D. Pesavento, G. Grassi, G. Pau, H. Zhang, T. Song, H. Yuan, H. B. Abraham, P. Crowley, S. O. Amin, V. Lehman, M. Chowdhury, L. Wang, N. Gordon, NFD Developer's Guide, *NDN Technical Report NDN-0021, Revision 11*, Aug. 2021

98. W. Shang, A. Gawande, M. Zhang, A. Afanasyev, J. Burke, L. Wang, L. Zhang, Publish-Subscribe Communication in Building Management Systems over Named Data Networking, *NDN Technical Report NDN-0066, Revision 1*, Oct. 2018

99. Y. Li, A. Afanasyev, J. Shi, H. Zhang, Z. Zhang, T. Li, E. Lu, B. Zhang, L. Wang, L. Zhang, NDN Automatic Prefix Propagation, *NDN Technical Report NDN-0045, Revision 1*, Mar. 2018

100. V. Lehman, A. Gawande, R. Aldecoa, D. Krioukov, B. Zhang, L. Zhang, L. Wang, An Experimental Investigation of Hyperbolic Routing with a Smart Forwarding Plane in NDN, *NDN Technical Report NDN-0042, Revision 1*, July 2016

101. M. Zhang, V. Lehman, L. Wang, PartialSync: Efficient Synchronization of a Partial Namespace in NDN, *NDN Technical Report NDN-0039, Revision 1*, June 2016

102. V. Lehman, A K M Mahmudul Hoque, Y. Yu, L. Wang, B. Zhang, L. Zhang, A Secure Link State Routing Protocol for NDN, *NDN Technical Report NDN-0037, Revision 1*, Jan. 2016

103. A. Afanasyev, J. Shi, L. Wang, B. Zhang, L. Zhang, Packet Fragmentation in NDN: Why NDN Uses Hop-By-Hop Fragmentation (NDN Memo), *NDN Technical Report NDN-0032, Revision 1*, Mar. 2015

104. A. Afanasyev, R. Ravindran, G. Wang, L. Wang, B. Zhang, L. Zhang, ICN Packet Format Design Requirements, *Internet Draft, Work in Progress*, Mar. 2015

105. A. Afanasyev, C. Yi, L. Wang, B. Zhang, L. Zhang, Map-and-Encap for Scaling NDN Routing, *NDN Technical Report NDN-0004, Revision 3*, Feb. 2015

106. A. Afanasyev, J. Shi, B. Zhang, L. Zhang, I. Moiseenko, Y. Yu, W. Shang, Y. Huang, J. P. Abraham, S. DiBenedetto, C. Fan, C. Papadopoulos, D. Pesavento, G. Grassi, G. Pau, H. Zhang, T. Song, H. Yuan, H. B. Abraham, P. Crowley, S. O. Amin, V. Lehman, L. Wang, NFD Developer's Guide, *NDN Technical Report NDN-0021, Revision 1*, July 2014

107. L. Zhang, A. Afanasyev, J. Burke, V. Jacobson, kc claffy, P. Crowley, C. Papadopoulos, L. Wang, B. Zhang, Named Data Networking, *NDN Technical Report NDN-0019, Revision 1*, Apr. 2014

108. C. Yi, J. Abraham, A. Afanasyev, L. Wang, B. Zhang, L. Zhang, On the Role of Routing in Named Data Networking, *NDN Technical Report NDN-0016, Revision 1*, Dec. 2013

109. Y. Liu, B. Zhang, L. Wang, FIFA: Fast Incremental FIB Aggregation, *University of Memphis Computer Science Department Technical Report No. CS-13-004*, July 2013

110. A. Afanasyev, C. Yi, L. Wang, B. Zhang, L. Zhang, Scaling NDN Routing: Old Tale, New Design, *NDN Technical Report NDN-0004, Revision 1*, July 2013

111. L. Wang, AKM M. Hoque, C. Yi, A. Alyyan, B. Zhang, OSPFN: An OSPF Based Routing Protocol for Named Data Networking, *NDN Technical Report NDN-0003*, July 2012

112. C. Yi, A. Afanasyev, I. Moiseenko, L. Wang, B. Zhang, L. Zhang, A Case for Stateful Forwarding Plane, *NDN Technical Report NDN-0002*, July 2012

113. B. Zhang, L. Zhang, L. Wang, Evolution Towards Global Routing Scalability, *Internet draft, Work in Progress*, Oct. 2009

114. B. Zhang, L. Wang, X. Zhao, Y. Liu, L. Zhang, FIB Aggregation, *Internet Draft, Work in Progress*, Oct. 2009

115. D. Jen, M. Meisel, D. Massey, L. Wang, B. Zhang, L. Zhang, APT: A Practical Tunneling Architecture for Routing Scalability, *UCLA Computer Science Department Technical Report No. 080004*, Mar. 2008

116. D. Jen, M. Meisel, D. Massey, L. Wang, B. Zhang, L. Zhang, APT: A Practical Transit Mapping Service, *Internet Draft, Work in Progress*, Nov. 2007

117. L. Wang, Q. Wu, D. D. Luong, Engaging Edge Networks in Preventing and Mitigating Undesirable Network Traffic, *University of Memphis Computer Science Department Technical Report No. CS-07-004*, May 2007

118. D. Massey, L. Wang, B. Zhang, L. Zhang, A Proposal for Scalable Internet Routing & Addressing, *Internet Draft, Work in Progress*, Feb. 2007

119. B. Zhang, D. Massey, D. Pei, L. Wang, L. Zhang, R. Oliveira, V. Kambhampati, A Secure and Scalable Internet Routing Architecture (SIRA), *University of Arizona Computer Science Department Technical Report TR06-01*, Apr. 2006

120. L. Wang, Y. Xiao,, Energy Saving Mechanisms in Sensor Networks, *University of Memphis Computer Science Department Technical Report No. CS-05-003*, May 2005

121. L. Wang, D. Massey, L. Zhang, Persistent Detection and Recovery of BGP Routing Inconsistencies, *University of Memphis Computer Science Department Technical Report No. CS-05-002*, Mar. 2005

122. L. Wang, D. Massey, K. Patel, L. Zhang, FRTR: A Scalable Mechanism to Restore Routing Table Consistency, *UCLA Computer Science Department Technical Report No. 030054*, Jan. 2004

123. L. Wang, A. Terzis, L. Zhang, RSVP Refresh Overhead Reduction by State Compression, *Internet Draft, Work in Progress*, June 1999

Selected Presentations

- Panel Talk: "Public Safety's Female Innovators," NIST Public Safety Communications Research (PSCR) Annual Conference panel, June 2021
- Invited Talk: "Building Data-Centric Security into the Internet to Support Edge Applications," CoE and EECS Virtual Distinguished Lecture Series, Texas A&M University, Kingsville, Nov. 2020
- Tutorial Talk: "npChat Application Design and Pub-Sub," Practical NDN Tutorial, ACM ICN 2020
- Panel Talk: "Named Data Networking: Lessons Learned Over the Last 10 Years," NDN Community Meeting, Sept. 2020
- Tutorial Talk: "NDN IoT Applications," Named Data Networking of Things Tutorial, ACM SIGCOMM 2019
- Invited Talk: "NDN: Overview, NFD, Sync and Routing," Intel, July 2019
- Invited Talk: "IoT and Edge Computing in Named Data Networking," SCIS Seminar Series, Florida International University, April 2019
- Tutorial Talk: "Introduction to Sync," Towards a Data-Centric Battlefield: Applications of Named Data Networks in Tactical Networks Tutorial, MILCOM 2018
- Tutorial Talk: "Introduction and NDN Overview," NDN App Tutorial, ACM ICN 2018
- Panel Talk: "Edge Computing: Shaping the Named Data Edge," NDN Consortium Meeting, Sept. 2018
- Invited Talk: "IoT and Edge Computing in Named Data Networking," Verizon Digital Media Services, June 2018
- Invited Talk: "IoT and Edge Computing in Named Data Networking," College of Engineering & Computer Science Research Seminar Series, University of Michigan, Dearborn, April 2018
- Invited Talk: "NDN Overview," Verizon Digital Media Services, Dec. 2017
- Panel Talk: "Physical and Cyber Security: The View from a Smart City Lens," MIT Connected Things Forum, March 2017
- Invited Talk: "Architecture Development and Routing Design in Named Data Networking," Department of Computer and Information Science, University of Mississippi, Oct. 2015
- Invited Talk: "NDN Architectural Development and Routing Design," Donaghey College of Information Science and Technology, University of Arkansas, Little Rock, Nov. 2014
- Invited Talk: "NDN Architectural Development and Routing Design," Chinese Academy of Sciences, Computer Network Information Center, June 2014
- Panel talk: "Whether NDN: NDN Project Progress," IEEE INFOCOM 2014, April 2014
- Invited Talk: "Designing and Prototyping a Multi-Purpose Sensor Network," Center of Excellence for Battlefield Sensor Fusion, Tennessee State University, April 2007

Service

University Service

- University of Memphis Research Foundation Venture Board Member, Fall 2022 - Summer 2023
- Intellectual Property Advisory Committee, Spring 2015 - Summer 2023
- Commencement Speaker, Summer 2022
- Faculty Diversity Working Group, Fall 2020 - Spring 2021
- NIST Compliance Committee, Fall 2020 - Present
- Alumni Association Distinguished Research Awards Committee-Science, Engineering and Mathematics, Spring 2020
- FIT DRONES Research Cluster (Co-Director), Spring 2019 - Present
- Research Administrative Review Committee, Fall 2018
- Research Capacity Assessment Study Team Member, Spring 2013 - Summer 2013
- Judge for Annual Student Research Forum, 2008

COLLEGE SERVICE

- Graduate Council, August 2014 - Feb. 2016
- Tenure and Promotion Committee, Fall 2013 - Spring 2014
- Department Chair Evaluation Committee, 1/2007-2/2007

DEPARTMENT SERVICE

- Department Chair, Feb. 2016 - August 2023
- Strategic Planning Committee, Fall 2018 - Summer 2023 (Chair)
- Faculty Mentoring (Vinhthuy Phan), Fall 2017 - Present
- Faculty Advisor, Women in Computing Group, Spring 2016 - Spring 2022
- Faculty Advisor, Graduate Student Association, Spring 2016 - Present
- Faculty Mentoring (Scott Fleming), Fall 2015 - Present
- Undergraduate Capstone Project Mentor, Spring 2016
- Associate Chair, DepartmentFall 2015
- Graduate Coordinator, August 2014 - Feb. 2016
- Faculty Search Committee, Fall 2005 - Spring 2006, Fall 2008 - Spring 2014, Fall 2015 - Fall 2015 (Chair)
- Tenure and Promotion Committee, Fall 2010 - present
- GOALS committee (Self-Assessment), Spring 2008 - Spring 2009, Fall 2010 - Spring 2014
- Computer Science Colloquium Committee, Fall 2008 - Spring 2011, Fall 2013 - Spring 2014
- Student Awards/Scholarship Committee, Fall 2013 - Spring 2014
- CS Social Coordinator, Fall 2012
- CS Research Day, Spring 2012
- Graduate Admissions Committee, Fall 2007 - Spring 2008, Fall 2010 - Summer 2011
- Scholarship Committee, Fall 2008 - Spring 2009
- Undergraduate Curriculum Committee, Fall 2006 - Fall 2007
- Visiting Associate Professor Search Committee, Spring 2006, Spring 2009
- Advising Committee, Fall 2004 - Spring 2005

SELECTED PROFESSIONAL SERVICE

Society/Organization/Journal	**Service**	**Period**
MDPI Journal of Sensor and Actuator Networks	Editorial Board	2020 – 2021
PeerJ Computer Science Journal	Editorial Board	2015 – 2020
KSII Transactions on Internet and Information Systems	Editorial Board	2013 – 2019
ACM Conference on Information-Centric Networking (ICN)	TPC Co-Chair	2021
NDN (Named Data Networking) Community Meeting	Meeting Chair	2017
IEEE NPSEC Workshop	TPC Co-Chair	2008
ACM Conference on Information-Centric Networking (ICN)	Publication Chair	2020
ACM MobiCom	Workshop and Tutorial Co-Chair	2020
ACM Conference on Information-Centric Networking (ICN)	Sponsorship Chair	2019
ACM SIGCOMM	N2Women Meeting Co-Chair	2008, 2019
ACM Conference on Information-Centric Networking (ICN)	Publicity Chair	2018
ACM SIGCOMM	Travel Grant Co-Chair	2017
ACM Conference on Information-Centric Networking (ICN)	Travel Grant Co-Chair	2016
IEEE LANMAN	Publicity Co-Chair	2016
ACM Conference on Information-Centric Networking (ICN)	Travel Grant Chair	2015
IEEE ICNP 2014	Publication Chair	2014

ISOC Symposium on Vehicle Security and Privacy (VehicleSec)	TPC	2023, 2024
ACM Conference on Information-Centric Networking (ICN)	TPC	2014, 2018, 2022, 2023
IEEE INFOCOM	TPC	2008 – 2021
ACM CoNEXT 2021 Interdisciplinary Workshop on (de)Centralization in the Internet (ACM IWCI 2021)	TPC	2021
The Web Conference (Formerly WWW)	TPC	2021
IEEE International Conference on Sensing, Communication and Networking (SECON)	TPC	2021
IEEE HotICN	TPC	2018
NDN Community Meeting	TPC	2015, 2017, 2018
Workshop on Multimedia Streaming in Information-/Content-Centric Networks (MuSIC)	TPC	2016
Workshop on Named Data Networks for Challenged Communication Environments (NDN-CCE) at IEEE GlOBECOM	TPC	2016
IEEE MASS Workshop on Content-Centric Networks	TPC	2015
IFIP Networking	TPC	2014
IEEE Workshop on Secure Network Protocols (NPSec)	TPC	2009, 2010, 2014
IEEE International Conference on Network Protocols (ICNP)	TPC	2013
International Conference on Computer Communications and Networks - Network Architectures and Clean-Slate Designs Track (NACSD)	TPC	2013
IEEE INFOCOM Workshop on Emerging Design Choices in Name-Oriented Networking (NOMEN)	TPC	2012, 2013
ACM SIGCOMM Workshop on Information Centric Networking	TPC	2011, 2012, 2013
IEEE GLOBECOM Next Generation Networking Symposium	TPC	2010, 2013
ACM MobiHoc Workshop On Emerging Name-Oriented Mobile Networking Design (NOM)	TPC	2012
IEEE ICC NGNI Symposium	TPC	2011
International Conference on Networked Sensing Systems (INSS)	TPC	2009, 2010
The 12th ACM International Conference on Modeling, Analysis, and Simulation of Wireless and Mobile Systems (MSWiM)	TPC	2009
4th International Symposium on Innovations and Real-time Applications of Distributed Sensor Networks	TPC	2009
International Conference on Security and Cryptography (SECRYPT)	TPC	2008
International Conference on Broadband Communications, Networks and Systems Symposium (BROADNETS)	TPC	2007, 2008, 2009
IEEE GLOBECOM, Symposium on Internet Services and Enabling Technologies	TPC	2006
IEEE GLOBECOM, Symposium on Control and Management of High Performance Networks	TPC	2006
International Symposium on Wireless LANs and PANs (Wireless Networking) in IWCMC	TPC	2006
International Symposium on Wireless Local and Personal Area Networks in WirelessCom	TPC	2005
International Conference on High Performance Computing and Communication	TPC	2005
Singapore National Research Foundation	Proposal Reviewer	2022
NSF	Proposal Reviewer	2007, 2009, 2012, 2015, 2016, 2018, 2020, 2021
NIST	Proposal Reviewer	2017

Hong Kong Research Coucil	Proposal Reviewer	2017
GENI (Global Environment for Network Innovations)	Proposal Reviewer	2009