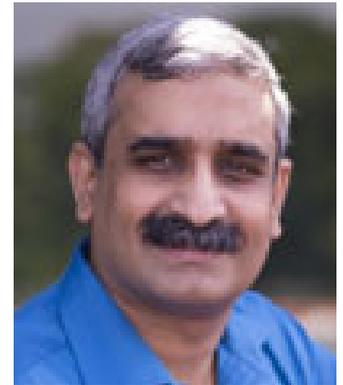Rajesh Krishna BALAN

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Education

PhD, Carnegie Mellon University, United States of America, 2006

Master of Science, National University of Singapore, Singapore, 2000

Bachelor of Science, National University of Singapore, Singapore, 1998

Academic Appointments

Professor of Computer Science, School of Computing and Information Systems, SMU, Jan 2024 - Present

Associate Professor of Computer Science, School of Computing and Information Systems, SMU, Apr 2021 - Dec 2023

Associate Professor of Information Systems, School of Computing and Information Systems, SMU, Jul 2013 - Mar 2021

Assistant Professor of Information Systems, School of Computing and Information Systems, SMU, Jul 2006 - Jun 2013

Academic Administrative Positions

Urban Fellow (Urban Systems), SMU Urban Institute, SMU, Aug 2025 - Present

Director, LiveLabs Urban Lifestyle Innovation Platform, Livelabs Urban Lifestyle Innovation Platform, SMU, Jul 2015 - Mar 2019

Co-Director, LiveLabs Urban Lifestyle Innovation Platform, Livelabs Urban Lifestyle Innovation Platform, SMU, Jul 2012 - Jun 2015

Awards and Honors

ACM Distinguished Member, Association for Computing Machinery, 2018

RESEARCH

Research Interests

Mobile and pervasive computing
Operating systems
Distributed computing
Software engineering
Usability of software systems
Usability testing
Networking

Publications

Journal Articles [Refereed]

Exploring key factors influencing depressive symptoms among middle-aged and elderly adult population: A machine learning-based method, by TRAN, Thu; TAN, Yi Zhen; LIN, Sapphire; ZHAO, Fang; NG, Yee Sien; MA, Dong; KO, Jeonggil; BALAN, Rajesh. (2025). *Archives of Gerontology and Geriatrics, 129* 1-9. https://doi.org/10.1016/j.archger.2024.105647 (Published)

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, by SEO, HyunA; YI, Juheon; BALAN, Rajesh; LEE, Youngki
. (2024.0). *Proceedings of the 37th Annual ACM Symposium on User Interface Software and Technology (UIST 2024) : Pittsburgh, PA, USA, October 13-16,* (pp. 1-14) New York, NY, USA: Association for Computing Machinery. https://doi.org/10.1145/3654777.3676463 (Published)

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The case for human-centric personal analytics, by LEE, Youngki; BALAN, Rajesh Krishna. (2014.0). *WPA '14: Proceedings of the 2014 ACM Workshop on Physical Analytics: June 16, Bretton Woods, NH,* (pp. 25-29) New York: ACM. https://doi.org/10.1145/2611264.2611267 (Published)

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Mobile platform and application research at SMU LiveLabs, by GOTTIPATI, Swetha; SEBASTIAN, Jeena; TUAN, Luong Trung; TAN, Kiat Wee; CHAN, Joseph Joo Keng; MURALIDHARAN, Kartik; OKOSHI, Tadashi; LEE, Youngki; MISRA, Archan; BALAN, Rajesh Krishna. (2014.0). *2014 6th International Conference on Communication Systems and Networks (COMSNETS): Bangalore, India, January 7-10,* (pp. 1-4) Piscataway, NJ: IEEE. https://doi.org/10.1109/COMSNETS.2014.6734911 (Published)

The challenge of continuous mobile context sensing, by BALAN, Rajesh Krishna; LEE, Youngki; TAN, Kiat Wee; MISRA, Archan. (2014.0). *2014 6th International Conference on Communication Systems and Networks (COMSNETS): January 6-10, Bangalore,* (pp. 1-8) Piscataway, NJ: IEEE. https://doi.org/10.1109/COMSNETS.2014.6734869 (Published)

Challenges and opportunities in taxi fleet anomaly detection, by SEN, Rijurekha; BALAN, Rajesh Krishna. (2013.0). *SENSEMINE'13: Proceedings of the 1st International Workshop on Sensing and Big Data Mining, Rome, Italy, November 11-15,* (pp. 1-6) New York: ACM. https://doi.org/10.1145/2536714.2536715 (Published)

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The case for mobile forensics of private data leaks: Towards large-scale user-oriented privacy protection, by CHAN, Joseph Joo Keng; TAN, Kiat Wee; JIANG, Lingxiao; BALAN, Rajesh Krishna. (2013.0). *APSys '13: Proceedings of the 4th Asia-Pacific Workshop on Systems: Singapore, 29-30 July,* (pp. 1-7) New York: ACM. https://doi.org/10.1145/2500727.2500733 (Published)

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Experiences with performance tradeoffs in practical, continuous indoor localization, by KHAN, Azeem J.; RANJAN, Vikash; LUONG, Trung-Tuan; BALAN, Rajesh Krishna; MISRA, Archan. (2013.0). *2013 IEEE 14th International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM): Madrid, Spain, June 4-7: Proceedings,* (pp. 1-9) Piscataway, NJ: IEEE. https://doi.org/10.1109/WoWMoM.2013.6583387 (Published)

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HuMan: Creating memorable fingerprints of mobile users, by PAYAS, Gupta; TAN, Kiat Wee; RAMASUBBU, Narayanasamy; LO, David; GAO, Debin; BALAN, Rajesh Krishna. (2012.0). *2012 IEEE International Conference on Pervasive Computing and Communications Workshops: Lugano, Switzerland, 19-23 March: Proceedings,* (pp. 479-482) Piscataway, NJ: IEEE. https://doi.org/10.1109/PerComW.2012.6197540 (Published)

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Configuring global software teams: A multi-company analysis of productivity, quality, and profits, by RAMASUBBU, Narayanasamy; CATALDO, Marcelo; BALAN, Rajesh Krishna; HERBSLEB, James. (2011.0). *ICSE 2011: Proceedings of the 2011 International Conference on Software Engineering: May 21-28, Waikkiki, Honolulu,* (pp. 261-270) New York: ACM. https://doi.org/10.1145/1985793.1985830 (Published)

PGTP: Power aware game transport protocol for multi-player mobile games, by ANAND, Bhojan; SEBASTIAN, Jeena; MING, Soh Yu; ANANDA, Akhihebbal L.; CHAN, Mun Choon; BALAN, Rajesh Krishna. (2011.0). *International Conference on Communications and Signal Processing ICCSP 2011: 10 - 12 February 2011, [Calicut], Kerala, India,* (pp. 399-404) Piscataway, NJ: IEEE. https://doi.org/10.1109/ICCSP.2011.5739346 (Published)

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Evolution of a Bluetooth Test Application Product Line: A Case Study, by RAMASUBBU, Narayanasamy; BALAN, Rajesh Krishna. (2010.0). *Proceedings of the 18th ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE), November 7 - 11, 2010, Santa Fe, NM,* (pp. 107-116) New York: ACM. http://dx.doi.org/10.1145/1882291.1882309 (Published)

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mFerio: The design and evaluation of a peer-to-peer mobile payment system, by BALAN, Rajesh Krishna; RAMASUBBU, Narayanasamy; PRAKOBPHOL, Komsit; CHRISTIN, Nicolas; HONG, Jason. (2009.0). *MobiSys '09: Proceedings of the 7th ACM International Conference on Mobile Systems, Applications and Services, June 22-25, Kraków, Poland,* (pp. 291-305) New York: ACM. https://doi.org/10.1145/1555816.1555846 (Published)

The impact of process choice in high maturity environments: An empirical analysis, by RAMASUBBU, Narayanasamy; BALAN, Rajesh Krishna. (2009.0). *IEEE 31st International Conference on Software Engineering: ICSE 2009: 16-24 May, Vancouver, Canada: Proceedings,* (pp. 529-539) Piscataway, NJ: IEEE. https://doi.org/10.1109/ICSE.2009.5070551 (Published)

User guidance of resource-adaptive systems, by SOUSA, João Pedro; BALAN, Rajesh Krishna; POLADIAN, Vahe; GARLAN, David; SATYANARAYANAN, Mahadev. (2008.0). *Proceedings of the Third International Conference on Software and Data Technologies: Porto, Portugal, July 5-8, 2008,* (pp. 36-44) Porto, Portugal: INSTICC Press. https://worldcat.org/isbn/9789898111524 (Published)

Towards Governance Schemes for Distributed Software, by RAMASUBBU, Narayanasamy; BALAN, Rajesh Krishna. (2008.0). *SDG '08: Proceedings of the 1st International Workshop on Software Development Governance: 2008, Leipzig, Germany, May 12-12, 2008,* (pp. 11-14) New York: ACM. http://dx.doi.org/10.1145/1370720.1370725 (Published)

Globally Distributed Software Development Project Performance: An Empirical Analysis, by RAMASUBBU, Narayanasamy; BALAN, Rajesh Krishna. (2007.0). *ESEC/FSE 2007: The 6th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering: Dubrovnik, Croatia, September 3-7, 2007,* (pp. 125-134) New York: ACM. http://dx.doi.org/10.1145/1287624.1287643 (Published)

Simplifying Cyber Foraging for Mobile Devices, by BALAN, Rajesh Krishna; Gergle, Darren; Satyanarayanan, Mahadev; Herbsleb, James. (2007.0). *MobiSys '07: Proceedings of the 5th International Conference on Mobile Systems, Applications and Services: San Juan, Puerto Rico, June 11-13, 2007,* (pp. 272-285) New York: ACM. http://dx.doi.org/10.1145/1247660.1247692 (Published)

Matrix: Adaptive middleware for distributed multiplayer games, by BALAN, Rajesh Krishna; EBLING, Maria; CASTRO, Paul; MISRA, Archan. (2005.0). *Middleware 2005: ACM/IFIP/USENIX 6th International Middleware Conference, Grenoble, France, November 28 - December 2: Proceedings,* (pp. 390-400) Berlin: Springer. https://doi.org/10.1007/11587552_20 (Published)

Tactics-Based Remote Execution for Mobile Computing, by BALAN, Rajesh Krishna; SATAYANARAYANA, Mahadev; PARK, SoYoung; OKOSHI, Tadashi. (2003.0). *MobiSys '03: Proceedings of the 1st International Conference on Mobile Systems, Applications and Services: San Francisco, May 5-8, 2003,* (pp. 273-286) New York: ACM. http://dx.doi.org/10.1145/1066116.1066125 (Published)

The Case for Cyber Foraging, by BALAN, Rajesh Krishna; Flinn, Jason; Satyanarayanan, Mahadev; Sinnamohideen, Shafeeq; YANG, Hen-I. (2002.0). *EW 10: Proceedings of the 10th Workshop on ACM SIGOPS European Workshop: Saint Emillion, France, July 1, 2002,* (pp. 87-92) New York: ACM. http://dx.doi.org/10.1145/1066116.1066125 (Published)

TCP HACK: TCP Header Checksum Option to Improve Performance Over Lossy Links, by BALAN, Rajesh Krishna; LEE, Boon Peng; KUMAR, Renjish; Lillykutty, Jacob; Seah, Winston; Ananda, A. L.. (2001.0). *INFOCOM 2001: Proceedings of 20th Annual Joint Conference on Computer Communications, 22-26 April 2001, Anchorage, Alaska,* (pp. 309-318) Piscataway, NJ: IEEE. http://dx.doi.org/10.1109/INFCOM.2001.916713 (Published)

Conference Papers

WiWear: Wearable sensing via directional wifi energy harvesting, by TRAN, Vu H.; MISRA, Archan; XIONG, Jie; BALAN, Rajesh Krishna. (2019.0). *2019 IEEE International Conference on Pervasive Computing and Communications (PerCom), Kyoto, Japan, March 11-15,* Kyoto. https://doi.org/10.1109/PERCOM.2019.8767406 (Published)

Moved by conflict: Exploring the relationship between experienced conflict and individual mobility patterns, by ZAKARIA, Nur Camellia Binte; GOH, Kenneth T.; LEE, Youngki; BALAN, Rajesh Krishna. (2018.0). *Interdisciplinary Network for Group Research, Baltimore, Maryland, US, 2018 July 19-21,* Baltimore, Maryland, US. (Presented)

Other Outputs and Contributions

Reports

Spatio-temporal efficiency in a taxi dispatch system by SANTANI, Darshan; BALAN, Rajesh Krishna; WOODARD, C. Jason. (2008). (Published)

Dimorphic Computing by Lagar-Cavilla, H. Andreas; Tolia, Niraj; BALAN, Rajesh Krishna; De Lara, Eyal; Satyanarayanan, Mahadev; O'Halloran, David. (2006). http://repository.cmu.edu/pdl/43/ (Published)

Giving Users the Steering Wheel for Guiding Resource-Adaptive Systems by SOUSA, Joao; BALAN, Rajesh Krishna; Poladian, Vahe; Garlan, David; Satyanarayanan, Mahadev. (2005). (Published)

Meeting the software engineering challenges of adaptive mobile applications by BALAN, Rajesh Krishna; SOUSA, Joao Pedro; SATYANARAYANAN, Mahadev. (2003). https://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.13.728 (Published)

Posters

Deep ECG estimation using a bed-attached geophone, by PARK, Jae Yeon; CHO, Hyeon; HWANG, Wonjun; BALAN, Rajesh Krishna; KO, Jeong Gil. (21 Jun 2019). *MobiSys '19: Proceedings of the 17th Annual International Conference on Mobile Systems, Applications, and Services, Seoul, June 17-21,* https://doi.org/10.1145/3307334.3328629 (Published)

Jarvis: A behavioural experimentation platform, by Muralidharan, Kartik; Gottipati, Swetha; Balan, Rajesh K.; Misra, Archan. (27 Feb 2014). *International Workshop on Mobile Computing Systems and Applications, HotMobile 2014, Santa Barbara, CA, February 26-27,* (Presented)

Others

Generalized on-demand service architecture for interactive applications [US Patent 2006/0168107 A1], by BALAN, Rajesh K.; CASTRO, Paul C.; EBLING, Maria R.; MISRA, Archan. (2006). In (1-24). https://patents.google.com/patent/US20220269946A1/en (Published)

Research Grants

Singapore Management University

PresentationPro: Improving Public Speaking Skills through AI-Driven Virtual Reality Interactions, Tertiary Education Research Fund (TRF), Ministry of Education (MOE) , PI (Project Level): Kyong Jin SHIM , Co-PI (Project Level): Swapna GOTTIPATI, Rajesh Krishna BALAN, DAI Bing Tian, 2024, S$144,302.2

Accurate, Low Latency, client-side, Indoor Location without fingerprinting or knowledge of AP locations, Translational R&D 2.0 Grant (TRANS2.0), Smart Nation Group , PI (Project Level): Rajesh Krishna BALAN, 2024, S$1,831,960

Unleashing the Potential of Photoplethysmography for Wearable Healthcare, Academic Research Fund (AcRF) Tier 2, Ministry of Education (MOE) , PI (Project Level): MA Dong , Co-PI (Project Level): Archan MISRA, Rajesh Krishna BALAN, 2024, S$1,001,652

Food Recognition: Causality-driven Cross-modal Cross-lingual Domain Adaptation, Academic Research Fund (AcRF) Tier 2, Ministry of Education (MOE) , PI (Project Level): NGO Chong Wah , Co-PI (Project Level): Rajesh Krishna BALAN, 2023, S$749,177

Quantum-Enhanced Modelling of Financial Time-Series Data for Rare Event Forecasting, QEP Call for Proposals, Quantum Engineering Programme (QEP) , Co-PI (Project Level): Paul Robert GRIFFIN, Rajesh Krishna BALAN, 2022, S$1,372,272

Improving Fairness and Accessibility of Crowd Work, Academic Research Fund (AcRF) Tier 2, Ministry of Education (MOE) , PI (Project Level): HARA, Kotaro , Co-PI (Project Level): Rajesh Krishna BALAN, 2021, S$579,384

Identifying Personas Using Video Analytics, Microsoft Research Asia Collaborative Research, Microsoft Research Asia , PI (Project Level): Rajesh Krishna BALAN, 2019

Building a Practical Location System for Tracking Consumer Movement in Indoor Public Spaces, Microsoft Research Asia , PI (Project Level): Rajesh Krishna BALAN, 2013, S$26,000

Windows Phone 7 Location Detection Framework, Microsoft Research Asia , PI (Project Level): Rajesh Krishna BALAN, 2012, S$15,120

LiveLabs Urban Lifestyle Innovation Platform, Digital Technology Development Scheme, Media Development Authority of Singapore (MDA) , PI (Programme Level): Rajesh Krishna BALAN , PI (Project Level): Archan MISRA, 2012, S$9,994,000

Energy-Efficient Stream Analytics on Smartphones for Realtime Contextual Insight, Academic Research Fund (AcRF) Tier 2, Ministry of Education (MOE) , PI (Project Level): Archan MISRA , Co-PI (Project Level): Rajesh Krishna BALAN, 2011, S$1,167,365

Power and Network-Aware Software Infrastructure for Multiplayer Mobile Games, Academic Research Fund (AcRF) Tier 2, Ministry of Education (MOE) , PI (Project Level): Rajesh Krishna BALAN, 2008,

S$1,168,000

In-situ Testing of Non-Invasive ECG Sensing for Continuous Health Monitoring of the Older Adult Population throughout the night, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Rajesh Krishna BALAN, 2024, S$50,000

Leveraging Mobile Sensing to Provide Early Detection of Meltdowns in Children with Autism, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Rajesh Krishna BALAN, 2023, S$120,000

Transforming Competitive Swimming with Physiological & Smart Drone Based Sensing, Analysis and Coaching Insights, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Rajesh Krishna BALAN, 2023, S$125,000

Designing a Data Governance Framework for Suspicious Behaviour Detection System, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): LIM How Khang , Co-PI (Project Level): Rajesh Krishna BALAN, 2022, S$40,000

Personality in Real-Time Real-World Behaviour, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): William TOV, 2015, S$25,580

User-Centric Mobile Authentication Mechanisms, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Rajesh Krishna BALAN, 2009, S$9,408

Estimating Costs in Distributed Software Development and System Migration, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Narayan RAMASUBBU , Co-PI (Project Level): Rajesh Krishna BALAN, 2008, S$14,650

Digital Wallet Creation, Testing, and Deployment, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Rajesh Krishna BALAN, 2007, S$49,400

Other Institutions

PresentationPro: Improving Public Speaking Skills through AI-Driven Virtual Reality Interactions, MOE TRF, MOE Tertiary Education Research Fund , PI (Programme Level): Kyong Jin SHIM, PI (Project Level): Kyong Jin SHIM, Co-PI (Project Level): Swapna GOTTIPATI, Rajesh Krishna BALAN, DAI Bing Tian, 2024, SGD144,302.2

Leveraging Mobile Sensing to Provide Early Detection of Meltdowns in Children with Autism, Academic Research Fund (AcRF) Tier 1, (MOE), Academic Research Fund (AcRF) Tier 1, (MOE) PI (Project Level): Rajesh Krishna BALAN, 2023, SGD120,000

Improving and monitoring the effectiveness of social distancing policies in institutes of higher learning, Central Gap Fund (COVID-19 Challenge), National Research Foundation PI (Project Level): Rajesh Krishna BALAN, 2020, SGD49,980

IndoorLoc Systems, SMU IIE Internal Innovation Grant, Ministry of Education PI (Project Level): Rajesh Krishna BALAN, 2019, SGD250,000

TEACHING

Courses Taught

Singapore Management University

Undergraduate Programmes :

    Foundations of Cyber-Physical Systems

    Interconnection of Cyber Physical Systems

Internet of Things: Technology and Applications

Software Project Management

Postgraduate Professional Programmes :

Capstone Project - Cybersecurity

Postgraduate Research Programmes :

Empirical Research Project 1

Empirical Research Project 2

Empirical Research Project 3

Empirical Research Project 4

Empirical Research Project I

Empirical Research Project II

Empirical Research Project III

THESES AND DISSERTATIONS

Theses and Dissertations Supervised

<u>Singapore Management University</u>

Supervisor, "Enabling Real-Time In-Situ Context-based Experimentation to Observe User Behaviour", Dissertation by KARTIK MURALIDHARAN, PhD in Information Systems, Singapore Management University, 2015

Theses and Dissertations Assessed

<u>Singapore Management University</u>

Committee Member, "Fusing Mobile, Wearable and Infrastructure Sensing for Daily Lifestyle Analytics", Dissertation by SOUGATA SEN, PhD in Information Systems, Singapore Management University, 2017

Committee Member, "A Dependency Graph Method for Analyzing Software Modifiability", Dissertation by KEVIN STEPPE, PhD in Information Systems, Singapore Management University, 2015

<u>Other Institutions</u>

Committee Member, "Large-scale Geo-referenced Sensing Using Personal Mobile Devices", Thesis by João Guilherme Pereira Rodrigues, Ph.D., University of Porto, 2019

Committee Member, "Sensing Flow Execution Engine for Concurrent Mobile Sensing Applications", Thesis by Younghyun Ju, Ph.D., KAIST, 2013

EXTERNAL SERVICE – PROFESSIONAL

Chairperson, UbiComp / Pervasive 10 Year Impact Award Committee, Association for Computing Machinery, 2020 - 2021

Workshop Chair, The 25th Annual International Conference on Mobile Computing and Networking (MobiCom), Association for Computing Machinery, 2019

Chairperson, 1st Americas Student Symposium on Emerging Technologies (ASSET), Association for Computing Machinery, 2019

Program Chair, 11th International Conference on Communication Systems & Networks (COMSNETS), COMSNETS, 2019

Program Chair, The International Conference on Mobile Systems, Applications, and Services (MobiSys), Association of Computing Machinery (ACM), 2019

Committee Member, UbiComp Steering Commitee, Association for Computing Machinery, 2018 - 2022

Program Committee Chair, The 17th ACM International Conference on Mobile Systems, Applications, and Services (MobiSys), Association for Computing Machinery Special Interest Group on Mobile Computing (SIGMOBILE), 2018 - 2019

Program Committee Chair, 11th International Conference on Communication Systems & Networks (COMSNETS), COMSNETS Association, 2018 - 2019

Chairperson, 2nd Asian Students Symposium on Emerging Technologies (ASSET), ACM SIGMOBILE, 2018

General Chair, The ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), ACM SIGMOBILE & ACM SIGCHI, 2018

Presenter Keynote Address, 8th Annual International Conference on Computer Science Education, Innovation and Technology (CSEIT), Global Science and Technology Forum (GSTF), 2017

Student Engagement Director, Executive Committee, Association for Computing Machinery Special Interest Group on Mobile Computing (SIGMOBILE), 2017 - 2022

Workshop Chair, The 13th International Conference on emerging Networking EXperiments and Technologies (CoNEXT), ACM SIGCOMM, 2017

Program Chair, 4th Workshop on Physical Analytics (WPA), ACM SIGMOBILE, 2017

Member, Test of Time Paper Award Committee, ACM SIGMOBILE, 2017

Presenter Keynote Address, 17TH IEEE International Conference on Mobile Data Management (MDM), IEEE COMSOC, 2016

Chairperson, 1st Asian Students Symposium on Emerging Technologies (ASSET), ACM SIGMOBILE, 2016

Poster & Demo Chair, 17th International Conference on Distributed Computing and Networking (ICDCN), ICDCN, 2016

Presenter Keynote Address, 2nd Workshop on Mobile Gaming (MobiGames), ACM SIGMOBILE, 2015

Poster & Demo Session Chair, The 13th ACM Conference on Embedded Networked Sensor Systems (SenSys), ACM SIGMOBILE, 2015

Workshop Chair, The 13th Annual International Conference on Mobile Systems, Applications and Services (MobiSys), ACM SIGMOBILE, 2015

Invited Lecture, 6th International Conference on Communication Systems and Networks (COMSNETS), COMSNETS, 2014

Program Chair, The ACM Multimedia Systems Conference Special Session on Mobile Multimedia Sensing (MMSys), ACM SIGMM, 2014

Program Chair, The Seventh International Conference on Mobile Computing and Ubiquitous Networking (ICMU), Information Processing Society Of Japan, 2014

Program Chair, 1st Workshop on Mobile Gaming (MobiGames), ACM SIGCOMM, 2012

Editor Journal Editor, IEEE Pervasive Computing Magazine Special Issue on Transportation Systems, IEEE Computer Society, 2012 - 2013

Program Chair, The Thirteenth Workshop on Mobile Computing Systems and Applications (HotMobile), ACM SIGMOBILE, 2012

Poster Session Chair, The 3rd Asia-Pacific Workshop on Systems (APSys), ACM SIGOPS and ACM SIGCOMM, 2012

Poster / Demo Session Chair, The Twelfth International Workshop on Mobile Computing Systems and Applications (HotMobile), ACM SIGMOBILE, 2011

Poster & Demo Chair, The 7th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys), ACM SIGMOBILE, 2009

Doctoral Consortium Chair, The Tenth International Workshop on Mobile Computing Systems and Applications (HotMobile), ACM SIGMOBILE, 2009