Min Kyung An, Ph.D.

Department Computer Science
Sam Houston State University
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EDUCATION

University of Texas at Dallas, Richardson, Texas, USA
Ph.D. in Computer Science   August 2013
- Dissertation: "Algorithms for Wireless Sensor Networks"
- Supervisor: Dr. Dung T. Huynh

University of Texas at Arlington, Arlington, Texas, USA
Master of Science in Computer Science   August 2007
- Thesis: "Building Energy-Efficient Broadcast Trees Using a Genetic Algorithm in Wireless Sensor Networks"
- Supervisor: Dr. Ramez Elmasri

Jeju National University, Jeju, Republic of Korea (South Korea)
Bachelor of Science in Computer Science and Statistics   February 2004

RESEARCH INTERESTS

Wireless Networks, Social Networks, Social Network Security, Internet of Things, Design and Analysis of Approximation Algorithm, Graph Theory, and Program Analysis

WORK EXPERIENCE

Associate Professor (tenured)   September 2019 – Current
Department of Computer Science, Sam Houston State University

Assistant Professor   September 2013 – August 2019
Department of Computer Science, Sam Houston State University

Graduate Assistant   09/2008 – 05/2009, 01/2010 – 08/2013
Department of Computer Science, University of Texas at Dallas

Graduate Assistant   05/2006 – 08/2007
Department of Computer Science, University of Texas at Arlington
- Worked as an *assistant* to the Technical Inventory Manager. Assisted to organize all inventories in the Department of Computer Science and Engineering (CSE). Troubleshoot problems of machines in the CSE labs.

TEACHING EXPERIENCE

Assistant/Associate Professor   September 2013 – Current
Department of Computer Science, Sam Houston State University

1. COSC 1436 Programming Fundamentals I
2. COSC 1437 Programming Fundamentals II
3. COSC 2327 Introduction to Computer Networks
4. COSC 5313 Artificial Intelligence
5. DFSC 5315 Network and Cyber Security
6. COSC 5318 Database Systems
7. COSC 5319 Algorithm Design and Analysis
8. COSC 5335 Database Security
9. COSC 6319 Software Engineering
10. COSC 6348 Thesis 1
11. COSC 6049 Thesis 2
12. COSC 6347 Programming Practicum
13. DFSC 6347 Directed Mgt & Development Prj
14. DFSC 7320 Ethics for Digital Forensics
15. DFSC 7330 DF Laboratory Management

Teaching Assistant   06/2010 – 08/2013
Department of Computer Science, University of Texas at Dallas

1. CS1336 Programming Fundamentals (Java Programming) (1 semester)
2. CS1337 Computer Science I (Java Programming) (1 semester)
3. CS3305 Discrete Math for Computing II (3 semesters)
4. CS4349 Advanced Algorithm Design and Analysis (1 semester)
5. CS4384 Automata Theory (3 semesters)
6. CS5333 Discrete Structures (1 semester)
7. CS6363 Design and Analysis of Computer Algorithms (3 semesters)

PUBLICATIONS

Peer-Reviewed Journals

[J1] Adrien Chardon Fabian, and **Min Kyung An**, "A Method Using GIS to Generate Rendezvous Areas for Mobile Sinks in WSNs," *International Journal of Interdisciplinary Telecommunications and Networking (IJITN)*, 14(1), 2022

[J2] Sundar Krishnan, Bing Zhou, and **Min Kyung An**, "Smartphone Forensic Challenges," *International Journal of Computer Science and Security (IJCSS)*, 13(5): 180-200, Oct 2019

[J3] Vemula Manohar Reddy, **Min Kyung An**, and Hyuk Cho, "An Improved Data Collection Algorithm for Wireless Sensor Networks," *International Journal of Interdisciplinary telecommunications & Networking (IJITN)*, 11(2), April – June 2019
   - SCI/SCIE Indexed
   - Presented in *IEEE Wireless Telecommunications Symposium (WTS)*, April 18–20, 2018, Phoenix, Arizona, USA

[J4] Tien Tran, **Min Kyung An**, and Dung T. Huynh, "Antenna Orientation and Range Assignment Algorithms in Directional WSNs," *IEEE/ACM Transactions on Networking (ToN)*, Vol. 25(6): 3368–3381, Dec 2017

- SCI/SCIE Indexed (Impact Factor: 3.376)

[J5] Tien Tran, **Min Kyung An**, and Dung T. Huynh, "Establishing Symmetric Connectivity in Directional Wireless Sensor Networks Equipped with $2\pi/3$ Antennas," *Journal of Combinatorial Optimization (JOCO)*, 34(4): 1029–1051, Nov 2017

- SCI/SCIE Indexed (Impact Factor: 1.235)

[J6] **Min Kyung An**, and Hyuk Cho, "Efficient Data Collection in Interference-Aware Wireless Sensor Networks," *Journal of Networks*, Vol. 10(12): 658–667, Dec 2015

[J7] Nhat X. Lam, Tien Tran, **Min Kyung An**, and Dung T. Huynh, "A Note on the Complexity of Minimum Latency Data Aggregation Scheduling with Uniform Power in Physical Interference Model," *Theoretical Computer Science (TCS)*, 569:70–73, March 2015

- SCI/SCIE Indexed (Impact Factor: 0.698)

[J8] Hyuk Cho, and **Min Kyung An**, "Co-clustering-based Clustering and Segmentation for Pattern Discovery from Time Course Data," *International Journal of Information and Electronics Engineering (IJIEE)*, Vol.4(5): 358–364, 2014

- Presented in *International Conference on Signal and Information Processing (ICSIP)*, July 3–4, 2014, Jeju, South Korea
- Outstanding Paper Presentation Award

[J9] Hyuk Cho, and **Min Kyung An**, "Co-clustering Algorithm: Batch, Mini-batch, and Online," *International Journal of Information and Electronics Engineering (IJIEE)*, Vol.4(5): 340–346, 2014

- Presented in *International Conference on Signal and Information Processing (ICSIP)*, July 3–4, 2014, Jeju, South Korea
- Outstanding Paper Presentation Award

[J10] Nhat X. Lam, **Min Kyung An**, Dung T. Huynh, and Trac N. Nguyen, "Broadcast Scheduling Problem in SINR Model," *International Journal of Foundations of Computer Science (IJFCS)*, 25(03): 331–342, Apr. 2014

- SCI/SCIE Indexed

[J11] Wei Wang, Donghyun Kim, **Min Kyung An**, Wei Gao, Xianyue Li, Zhao Zhang, and Weili Wu, "On Construction of Quality Fault-Tolerant Virtual Backbone in Wireless Networks," *IEEE/ACM Transactions on Networking (ToN)*, 21(5): 1499–1510, Oct. 2013

- SCI/SCIE Indexed (Impact Factor: 3.376)

[J12] **Min Kyung An**, Nhat X. Lam, Dung T. Huynh, and Trac N. Nguyen, "Bounded-Degree Minimum-Radius Spanning Trees in Wireless Sensor Networks," *Theoretical Computer Science (TCS)*, 498: 46–57, August 2013

- SCI/SCIE Indexed (Impact Factor: 0.698)

[J13] Nhat X. Lam, Trac N. Nguyen, **Min Kyung An**, and Dung T. Huynh, "Dual Power Assignment Optimization and Fault Tolerance in WSNs," *Journal of Combinatorial Optimization (JOCO)*, Published online, June 2013

- SCI/SCIE Indexed (Impact Factor: 1.235)

[J14] **Min Kyung An**, Nhat X. Lam, Dung T. Huynh, and Trac N. Nguyen, "Minimum Latency Data Aggregation in the Physical Interference Model," *Computer Communications (COMCOM)*, 35(18):2175–2186, Nov. 2012

- SCI/SCIE Indexed (Impact Factor: 3.338)

[J15] **Min Kyung An**, Nhat X. Lam, Dung T. Huynh, and Trac N. Nguyen, "Minimum Data Aggregation Schedule in Wireless Sensor Networks," *International Journal of Computers and their Applications (IJCA)*, 18(4):254–262, Dec. 2011

Refereed Conference Proceedings

[C1] Navya Makkena, ABM Rezbaul Islam, **Min Kyung An** and Cihan Varol, "Urgency Detection in Social Media Texts Using Natural Language Processing," in Proceedings of *IEEE International Conference on Semantic Computing (ICSC)*, Accepted, 2024

[C2] Wadduwage Shanika Perera, ABM Rezbaul Islam, Van Vung Pham and **Min Kyung An**, "Melanoma Classification through Deep Ensemble Learning and Explainable AI," in Proceedings of *IEEE International Conference on Health Informatics (HEALTHINF)*, Accepted, 2024

[C3] Ecem Simsek, **Min Kyung An** and Fan Liang, "Data Collection Scheduling in Directional Wireless Sensor Networks," in Proceedings of *IEEE International Conference on Computer and Communication Systems (ICCCS)*, April 21–24, 2023, Guangzhou University.

[C4] Alberto Ceballos Delgado, Biodoumoye Bokolo, Nurettin Senol, Wanni Perera, **Min Kyung An** and Ecem Simsek, "Construction of Secure and Energy-Efficient Connected Wireless Sensor Networks," in Proceedings of *IEEE International Conference on Computer and Communication Systems (ICCCS)*, April 21–24, 2023, Guangzhou University.

[C5] Ahmet Furkan Aydogan, **Min Kyung An**, Mehmet Yilmaz, "A New Approach to Social Engineering with Natural Language Processing: RAKE," in Proceedings of *International Symposium on Digital Forensics and Security (ISDFS)*, Jun 28–29, 2021, Elazig, Turkey.

[C6] **Min Kyung An**, Hyuk Cho, Bing Zhou, and Lei Chen, "Minimum Latency Aggregation Scheduling in Internet of Things," in Proceedings of *IEEE International Conference on Computing, Networking and Communications (ICNC)*, February 18–21, 2019, Honolulu, Hawaii, USA.
  - Acceptance Ratio: 28%

[C7] **Min Kyung An**, and Hyuk Cho, "Scheduling Problems in Wireless Sensor Networks and Internet of Things: A Comparative Overview," in Proceedings of *IEEE Annual Information Technology, Electronics & Mobile Communication Conference(IEMCON)*, Nov 1–3, 2018, University of British Columbia, Canada.

[C8] **Min Kyung An**, Hyuk Cho, and Lei Chen, "Hierarchical Agglomerative Aggregation Scheduling in Directional Wireless Sensor Networks," in Proceedings of *IEEE International Conference on Computing, Networking and Communications (ICNC)*, March 5–8, 2018, Maui, Hawaii, USA, pp. 899–904.
  - Acceptance Ratio: 26%

[C9] Tien Tran, **Min Kyung An**, and Dung T. Huynh, "Symmetric Connectivity in WSNs Equipped with Multiple Directional Antennas," in Proceedings of *IEEE International Conference on Computing, Networking and Communication (ICNC)*, Jan 26–29, 2017, Silicon Valley, USA, pp. 609–614.
  - Acceptance Ratio: 29%

[C10] Tien Tran, **Min Kyung An**, and Dung T. Huynh, "Antenna Orientation and Range Assignment in WSNs with Directional Antennas," in Proceedings of *IEEE International Conference Computer Communications (INFOCOM)*, Apr. 10–15, 2016, San Francisco, CA, USA, pp. 1–9.

- Acceptance Ratio: 18.25% (300/1,644)

[C11] Tien Tran, **Min Kyung An**, and Dung T. Huynh, "Symmetric Connectivity in Wireless Sensor Networks with Directional Antennas," in Proceedings of *IEEE International Conference on Communications (ICC)*, June 8–12, 2015, London, UK, pp. 6400–6405.

- Acceptance Ratio: 38.4% (1,283/3,342)

[C12] **Min Kyung An**, and Hyuk Cho, "Minimum Latency Data Collection in Interference-Aware Wireless Sensor Networks," in Proceedings of *IEEE International Conference on Computer, Information, and Telecommunication Systems (CITS)*, July 7–9, 2014, Jeju, South Korea, pp. 1–5.

- Best Paper Award
- Invited for a fast track issue of JNW Journal

[C13] **Min Kyung An**, Nhat X. Lam, Dung T. Huynh, and Trac N. Nguyen, "Minimum Latency Aggregation Scheduling in Interference-Aware 3-Dimensional WSNs," in Proceedings of *International Conference on Wireless Networks (ICWN)*, July 22–25, 2013, Las Vegas, Nevada, USA

[C14] Nhat X. Lam, **Min Kyung An**, Dung T. Huynh, and Trac N. Nguyen, "Scheduling Problems in Interference-Aware Wireless Sensor Networks," in Proceedings of *IEEE International Conference on Computing, Networking and Communications (ICNC)*, Jan 28–31, 2013, San Diego, California, USA, pp. 783–789.

- Acceptance Ratio: 25.2% (133/527)

[C15] **Min Kyung An**, Nhat X. Lam, Dung T. Huynh, and Trac N. Nguyen, "Connectivity in Wireless Sensor Networks in the SINR Model," in Proceedings of *IEEE International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS)*, Aug 7–9, 2012, Washington D.C., USA, pp. 145–152.

- Acceptance Ratio: 32%

[C16] **Min Kyung An**, Nhat X. Lam, Dung T. Huynh, and Trac N. Nguyen, "Minimum Latency Gossiping in Wireless Sensor Networks," in Proceedings of *International Conference on Wireless Networks (ICWN)*, July 16–19, 2012, Las Vegas, Nevada, USA.

- Acceptance Ratio: 28%

[C17] Nhat X. Lam, **Min Kyung An**, Dung T. Huynh, and Trac N. Nguyen, "Minimum Latency Data Aggregation in the Physical Interference Model," in Proceedings of *ACM International Symposium on Modeling Analysis and Simulation of Wireless and Mobile Systems (MSWiM)*, Oct. 31–Nov. 4, 2011, Miami Beach, Florida, USA, pp. 93–102.

- Acceptance Ratio: 24%
- Invited for a fast track issue of COMCOM Journal

[C18] Trac N. Nguyen, **Min Kyung An**, Nhat X. Lam, and Dung T. Huynh, "The Complexity of Minimizing Receiver-Based and SINR Edge Interference," in Proceedings of *IEEE International Conference on Computer Communications and Networks (ICCCN)*, July 31–Aug. 4, 2011, Maui, Hawaii, USA, pp. 1–7.

- Acceptance Ratio: 29%
- NSF Student Travel Grant Award

[C19] Nhat X. Lam, Trac N. Nguyen, **Min Kyung An**, and Dung T. Huynh, "Dual Power Assignment Optimization for k-Edge Connectivity in WSNs," in Proceedings of *IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON)*, June 27–30, 2011, Salt Lake City, Utah, USA, pp. 566–573.

- Acceptance Ratio: 27%

[C20] **Min Kyung An**, Nhat X. Lam, Dung T. Huynh, and Trac N. Nguyen, "Minimum Data Aggregation Schedule in Wireless Sensor Networks," in Proceedings of *ISCA International Conference on Computer Applications in Industry and Engineering (CAINE)*, Nov. 8–10, 2010, Las Vegas, Nevada, USA, pp. 257–263.

Workshops

[W1] Nikita Dalvi, Min Kyung An, ABM Rezbaul Islam, and Van Vung Pham, "Improving Fingerprint Classification Accuracy Using Image Enhancement Deep Learning Models," *Workshop on Big Data for Cybersecurity (BigCyber)*, in conjunction with *IEEE International Conference on Big Data (BigData)*, 2023

RESEARCH FUNDS

Externals: *Awarded*

1. "Developing Interdisciplinary Cybersecurity Education at SHSU," *CyberCorps(R) Scholarship for Service (SFS)* of National Science Foundation (NSF)
   - Bing Zhou (PI), Qingzhong Liu (co-PI), **Min Kyung An** (co-PI), Narasimha Karpoor Shashidhar (co-PI), Cihan Varol (co-PI), Li-Jen Lester (Senior Personnel), Jorn Yu (Senior Personnel), David Stender (Senior Personnel) and Brandi Jones (Evaluator)
   - Granted $2.8 million (Funding Period: 09/2023 – 08/2028)

Externals: *Awarded* but not funded

2. "DoD Cyber Scholarship Program (CySP) at SHSU," Department of Defense (DoD)
   - **Min Kyung An** (PI), Bing Zhou (co-PI), Li-Jen Lester (co-PI), Cihan Varol (co-PI) and Narasimha Karpoor Shashidhar (co-PI)
   - Requested $511,954 (Funding Period: 08/2022 – 07/2023)
   - The proposal **awarded** by DoD, but the awarded students declined to accept the scholarships due to their personal reasons.

Externals: Under Review / Not awarded
Detailed listing omitted.

Internals (SHSU): Awarded

1. "SWIR-based Object/Human Recognition and Abnormal Detection for Critical Infrastructure Protection," Institution of Homeland Security (IHS), SHSU
   - Qingzhong Liu (PI), Bing Zhou, Hyuk Cho, **Min Kyung An** and Fan Liang
   - Granted $22,000 (Funding Period: 2023)
2. "Developing Advanced SWIR-based Real-time Intelligent Object Detection, Situation Awareness and Response Systems to Expose Illicit Substance and Enhance Critical Infrastructure Protection," Institution of Homeland Security (IHS), SHSU
   - Qingzhong Liu (PI), Bing Zhou, Hyuk Cho, **Min Kyung An**, Fan Liang, and Jorn Yu
   - Granted $240,000 (Funding Period: 2022)

3. "Developing a New Course in Deep Learning and Computer Vision with Active Learning and Capstone Projects," *Teaching Innovation Grants (TIG) Award* by the Professional & Academic Center for Excellence (PACE), SHSU
   - Qingzhong Liu (PI), Li-Jen Lester, and **Min Kyung An**
   - Granted $9,000 (Funding Period: Summer 2022)

4. "Development of Transition Plans to New Mandatory ABET CAC Criteria," *Assessment Mini-Grants Award* by the Office of Academic Planning and Assessment, SHSU
   - **Min Kyung An (PI)**, and Peter Cooper
   - Granted $1,000 (Funding Period: Spring 2019)

5. "Efficient Data Aggregation in Internet of Things," *Faculty and Student Team (FAST) Award* by the Center for Enhancing Undergraduate Research Experiences and Creative Activities (EURECA), SHSU
   - **Min Kyung An (PI)**, and Bing Zhou
   - Granted $8,306 (Funding Period: Summer 2018)

6. "Development of a Capstone Project Course in Computer Science Department," *Teaching Innovation Grants (TIG) Award* by the Professional & Academic Center for Excellence (PACE), SHSU
   - Bing Zhou (PI), Timothy McGuire, and **Min Kyung An**
   - Granted $6,235 (Funding Period: Spring 2018)

7. "Efficient Broadcasting in Wireless Sensor Networks," *Faculty Research Grant (FRG) Award* by the Office of Research and Sponsored Programs (ORSP), SHSU
   - **Min Kyung An (PI)**
   - Granted $5,000 (Funding Period: Summer 2015)

Internals (SHSU): Not awarded
Detailed listing omitted.

During Graduate Studies: Awarded

1. "The Complexity of Minimizing Receiver-Based and SINR Edge Interference," *NSF Travel Grant Award* by the 20th Annual IEEE International Conference on Computer Communications and Networks (sponsored by NSF)
   - **Min Kyung An**
   - Granted $1,000 (Funding Period: 07/31/2011 – 08/04/2011)

2. "Building Energy-Efficient Broadcast Trees Using a Genetic Algorithm in Wireless Sensor Networks," *The Graduate Studies Abroad Program Award* by Korea Science and Engineering Foundation (funded by South Korea government), Republic of Korea
   - **Min Kyung An**
   - Granted $60,000, Grant No.2005-215-C00025 (Funding Period: 07/2005 – 08/2007)

Awards

Best Paper Award, IEEE International Conference on Computer, Information, and Telecommunication Systems (CITS 2014)

Outstanding Paper Presentation Awards (for two presentations), International Conference on Signal and Information Processing (ICSIP 2014)

PROFESSIONAL DEVELOPMENT

Writing & Designing Winning NSF Proposals	2022
Deep Learning on AWS Program	2022
NSF Writing	2022
Leveraging the ACM Code of Ethics Against Ethical Snake & Dodgy Development	06/2020
Leadercast Women	10/2018
SHSU Teaching and Learning Conference	08/2018
The Mobile Summer Institute	05/2018
Writing and Designing NSF Proposals	10/2015
SHSU Teaching Conference	08/2015
SHSU Online Teaching and Learning Conference	03/2015
Writing and Designing NSF Proposals	01/2014
PACE Project Based Learning Splash	10/2013

UNIVERSITY SERVICE (SHSU)

Committees

• Graduate Curriculum Committee Chair (Graduate Coordinator)	Fall 2020 – Current
• Graduate Curriculum Committee Member	Fall 2013 – Summer 2020
• Graduate Admission Committee Chair	Fall 2020 – Current
• Graduate Assistantship Committee Chair/Member	Fall 2015 – Current
• Undergraduate Curriculum Committee Chair	Fall 2017 – Summer 2020
• Undergraduate Curriculum Committee Co-Chair	Fall 2015 – Summer 2017
• Undergraduate Curriculum Committee Member	Fall 2013 – Summer 2015
• Faculty Search Committee Chair	2019 – Current
• Faculty Search Committee Member	2015, 2016, 2018
• COSET Undergraduate Research Awards Committee	2020, 2021
• COSET Diversity, Equity and Inclusion Committee	Fall 2021 – Spring 2023
• COSET Dean Search Committee	Fall 2023 – Spring 2024

Student Project Advising

- Master's Project Committee Chair (Last update at 2021)
    1. Swethalakshmi Rengarajan (IAC: graduated at Summer 2021)
    2. Nathan James Goldman (DF: graduated at Summer 2021)
    3. Tugba Elmas (CIS: graduated at Fall 2021)
    4. Christopher Herring (DF: graduated at Fall 2021)
    5. Andrew Spenn (CIS)
    6. Ecem Simsek (CIS)
    7. Ding So (IAC: graduated at Spring 2018)
    8. Sunil Kallepu (CIS: graduated at Spring 2017)
    9. Sravan Kumar Pereddy (CIS: graduated at Spring 2017)
    10. Kenneth Hill (CIS: graduated at Spring 2017)

11. Vemula Reddy (CIS: graduated at Summer 2017)
12. Charlie Robinson (IAC: graduated at Fall 2017)
- Master's Project Committee Member
  - Several. Omitted.
- Undergraduate Project Advising (Special Topic Projects, Honor's Projects) (Last update at 2021)
  - Spring 2021: Alexander Mcgarity
  - Spring 2020: Ilyas Kececi, Nouhaila Bahtat
  - Fall 2019: Jaylen Harris, Nicholas Frey
  - Spring 2019: Durmus Doner, Cyle Roach, Gokhan Cetiner, Adil Keske
  - Summer 2018: Cameron Green
  - Fall 2015: Terrica Daniels

PROFESSIONAL SERVICE

Technical Program Committee

- Year 2023: IEEE Globecom
- Year 2022: IEEE Globecom
- Year 2021: IEEE Globecom
- Year 2020: IEEE ICC, IEEE Globecom
- Year 2019: IEEE MENACOMM, 3ICT, IEEE Globecom
- Year 2018: IEEE IWINCOM, IEEE SCIS, IEEE MELECON, IEEE COMNETSAT, IEEE ICC, IEEE ICACCI, IEEE GLOBECOM, IEEE WCI
- Year 2017: IEEE WCSP, IEEE GLOBECOM, WCI, WSCAR, IEEE ICC
- Year 2016: IEEE COMNETSAT, IEEE WCI, ICNI, GSCIT, GOCICT, Globecom-AHSN
- Year 2015: IEEE GOCICT, IEEE ICACCI, ICCIA
- Year 2014: IEEE GOCICT, IEEE ISSPIT
- Year 2013: IEEE ISSPIT

Reviewer

- SERA, 2022
- IEEE WTS, 2022
- IEEE Congress on Information Science and Technology (CiSt), 2020
- IEEE International Conference on Innovation and Intelligence For Informatics, Computing, and Technologies (3ICT), 2019
- IEEE International Workshop on the Security, Privacy, and Digital Forensics of Mobile Systems and Networks (MobiSec), 2018
- International Conference on Mobile Multimedia Communications, 2018
- IEEE Mediterranean Electrotechnical Conference, 2018
- IEEE Conference on Smart Cities and Innovative Systems (SCIS), 2018
- IEEE Global Communications Conference (GLOBECOM), 2018, 2019, 2021, 2022, 2023

- IEEE International Conference on Computing, Networking and Communication (ICNC), 2018, 2020
- Concurrency and Computation: Practice and Experience (CCPE), 2018
- IEEE International Conference on Wireless Networks and Mobile Communications (WIN-COM), 2017, 2018
- IEEE International Conference on Wireless Communications and Signal Processing (WCSP), 2017
- IEEE Region Ten Conference (TENCON), 2017
- IEEE Conference on Local Computer Networks (LCN), 2017
- IEEE Systems Journal, 2017, 2018
- Journal of Computational Science (JOCS), 2016
- Computer Networks (COMNET), 2016, 2017
- Sensors (ISSN 1424-8220; CODEN: SENSC9), 2016
- Global Online Conference on Information and Computer Technology (GOCICT), 2015, 2016
- International Workshop on Security, Privacy, and Forensics in Wireless Mobile Ad Hoc Networks and Wireless Sensor Networks (SPFMSNET), 2015
- ACM International Symposium on Women in Computing and Informatics (WCI), 2015, 2016
- International Conference on Advances in Computing, Communications and Informatics (ICACCI), 2015
- IEEE International Conference on Communications (ICC), 2014, 2016, 2017, 2018
- Journal of Network and Computer Applications (JNCA), 2014
- Ad Hoc Networks (ADHOC), 2014
- IEEE Transactions on Parallel and Distributed Systems (TPDS), 2013, 2014
- IEEE Transactions on Information Theory, 2023
- Transactions on Sensor Networks, 2023
- IEEE International Symposium on Signal Processing and Information Technology (ISSPIT), 2012, 2013, 2014
- IEEE International Workshop on Ad Hoc Networking with MIMO and Cognitive Radio (MIMOCR), 2012
- Wireless Networks (WINET), 2011, 2013, 2014, 2023

Guest Editor

- Special Issue on Knowledge Discovery and Intelligent Systems in Digital Forensics and Information Assurance, 2017

Workshop Chair

- The First International Workshop on Security, Privacy, and Forensics in Wireless Mobile Ad Hoc Networks and Wireless Sensor Networks (SPFMSNET) in conjunction with IEEE Globecom, 2015

Conference Session Chair

- IEEE International Conference on Computing, Networking and Communications (ICNC), 2018
- IEEE International Conference on Computer, Information, and Telecommunication Systems (CITS), 2014