

Abd-Elhamid M. Taha, PhD, PEng, IEEE SM

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EDUCATION

- PhD 2007 Electrical and Computer Engineering, Queen's University, Canada
Thesis title: *A framework for radio resource management in heterogeneous wireless networks*
Advisors: Dr. Hossam Hassanein and Dr. Hussein Mouftah
- MSc 2002 Electrical Engineering, Kuwait University, Kuwait
Thesis title: *Optimal and near-optimal facility allocation algorithms for planar graph topologies using a dynamic programming approach*
Advisor: Dr. Ahmed Kamal
- BSc 1999 Electrical Engineering, Kuwait University, Kuwait (Honors)

EMPLOYMENT

- May 21 – present **Associate Professor**
Electrical Engineering Program, Alfaisal University, Saudi Arabia
- May 21 – present **Adjunct Associate Professor**
School of Computing, Queen's University, Canada
- Sep 21 – Aug 23 **Director of Research and Innovation**
Office of Research and Innovation, Alfaisal University, Saudi Arabia
- Apr 17 – Aug 21 **Vice Dean, Research, Graduate Studies and QAA**
College of Engineering, Alfaisal University, Saudi Arabia
- Sep 11 – Apr 21 **Assistant Professor**
Electrical Engineering Program, Alfaisal University, Saudi Arabia
- Jan 11 – Apr 21 **Adjunct Assistant Professor**
School of Computing, Queen's University, Canada
- Apr 17 – Sep 18 **Vice Dean, Academic and Student Affairs**
College of Engineering, Alfaisal University, Saudi Arabia
- Sep 15 – Jan 18 **Department Chair**
Electrical Engineering Program, Alfaisal University, Saudi Arabia
- Jan 09 – Dec 10 **Adjunct Assistant Professor (Term)**
School of Computing, Queen's University, Canada
- Sep 09 – Aug 11 **Researcher, Project Manager**

School of Computing, Queen's University, Canada

Sep 07 – Aug 09

Postdoctoral Fellow

School of Computing, Queen's University, Canada

Jan 07 – May 07

Lecturer

School of Computing, Queen's University, Canada

Sep 02 – Sep 07

Research Assistant

Electrical & Computer Engineering Department, Queen's University, Canada

Sep 02 – Sep 06

Teaching Assistant

Electrical & Computer Engineering Department, Queen's University, Canada

Jan 00 – Aug 02

Scientific Assistant

Department of Electrical Engineering, Kuwait University, Kuwait

Sep 99 – Jan 02

Graduate Student Researcher

School of Graduate Studies, Kuwait University, Kuwait

Sep 99 – Jan 00

Teaching Assistant

Department of Electrical Engineering, Kuwait University, Kuwait

Oct 99 – Nov 99

Lecturer

Student Society of the College of Engineering, Kuwait University, Kuwait

TEACHING

- Sep 11 – present **Electrical Engineering Program, Alfaisal University, Saudi Arabia**
Taught the following undergraduate courses:
- ☐ Applied Electromagnetics
 - ☐ Introduction to Communication Systems
 - ☐ Computer Architecture
 - ☐ Computer Networks
 - ☐ Cyber Physical Systems
 - ☐ Digital Logic Circuits
 - ☐ Electronics I
 - ☐ Electronics II
 - ☐ Introductory Computer Programming
 - ☐ Machine Learning
 - ☐ Deep Learning
 - ☐ Operating Systems
- Jan 09 – Dec 10 **School of Computing, Queen's University, Canada**
Taught the graduate course: *Research Methods for Computer Science*
- Jan 07 – May 07 **School of Computing, Queen's University, Canada**
Introduced, developed and taught a new graduate-level course:
Paradigms of Wireless and Mobile Networking.
- Sep 02 – Sep 06 **Electrical and Computer Engineering Dept., Queen's University, Canada**
Assisted in teaching and grading undergraduate courses including
- ☐ Computer Networks
 - ☐ Digital Communication Theory.
- Jan 00 – Aug 02 **Electrical Engineering Dept., Kuwait University, Kuwait**
Assisted in teaching and grading undergraduate courses including
- ☐ Active Filter Design
 - ☐ Basic Circuit Analysis
 - ☐ Electronics I Lab
 - ☐ Electronics II
 - ☐ Electronics II Lab
 - ☐ Numerical Analysis
- Sep 99 – Jan 00 **Electrical Engineering Dept., Kuwait University, Kuwait**
Assisted in teaching and grading undergraduate courses including
- ☐ Basic Circuit Analysis
 - ☐ Introduction to Electromagnetics
- Oct 99 – Nov 99 **Student Society of the College of Engineering, Kuwait University**
Developed and taught a short course on *Computer Organization.*

HONORS AND AWARDS

- 2021 - Alfaisal University Faculty Awards for Research Excellence
- 2020 - Alfaisal University CoE Outstanding Faculty Service Award
- 2019 - Keynote speaker at the Converging IoT Workshop, IEEE ICC'19
 - Keynote speaker at the ICCSPA'19
- 2018 - Keynote Speaker at the 21st Saudi Computer Society National Computer Conference
- 2017 - Keynote Speaker at the Engineering Research Forum at Prince Sultan University
- 2016 - Alfaisal University Faculty Awards for Research Excellence
 - Keynote Speaker at the IEEE WCNC Workshop on Novel Waveform and MAC Design for 5G Networks
- 2015 - Alfaisal University CoE Outstanding Faculty of the Year
 - Alfaisal University CoE Outstanding Research Award
 - Alfaisal University CoE Outstanding Teaching Award
 - Alfaisal University CoE Outstanding Faculty Service Award
 - Invited Speaker, Third Saudi International Electronics, Communications, and Photonics Conference (SIECPC'15)
- 2014 - Team supervisor of best capstone project in EE Department, Alfaisal University
 - Team supervisor of best capstone project in College of Engineering, Alfaisal University
- 2012 - Elevated to Senior Member Grade in the IEEE
 - Best Paper Award at the IEEE Global Communications Conference
 - Best Paper Award at the IEEE International Conference on Communications
- 2011 - NSERC Early Career Researcher
 - Best Paper Award at the International Wireless Communications and Mobile Computing Conference
- 2010 - Best Paper Award at the International Wireless Communications and Mobile Computing Conference

GRADUATE STUDENT SUPERVISION AND MENTORING

Since 2007, I have supervised or co-supervised 4 PhD students and 4 MSc students.

At Queen's University, Canada

PhD Students

- Sep 14 – Nov 21 **Mohannad Alharthi**
Towards Softwarized Drone Networks
Co-supervised with H. Hassanein
- Sep 11 – Apr 18 **Abdolmonem Rashwan**
A Framework for Practical Transport Layer Security in NGNs
Co-supervised with H. Hassanein
- Sep 11 – Feb 16 **Mohammad Tauhid Islam**
Radio Resource Allocation for Device-to-Device Communications
Underlaying Cellular Networks
Co-supervised with S. Akl
- Sep 10 – Apr 14 **Walid Ibrahim**
A Framework for Location Management in the Internet of Things
Co-supervised with H. Hassanein

MSc Students

- Sep 11 – Jan 14 **Mohannad Alharthi**
Realistic Mobility Modeling for Robots in ns3
- Sep 10 – Nov 12 **Kais Al-Aubidy**
Interactions Study of Self-Optimizing Schemes in LTE Femtocell Networks
Co-supervised with H. Hassanein
- Sep 08 – Apr 11 **Mohamed Salah**
Comparing Uplink Schedulers in LTE
Co-supervised with H. Hassanein
- Sep 08 – Aug 10 **Pandeli Kolomitro**
A Performance Comparison of Frame Structures in WiMax Multi-Hop
Relay Networks
Co-supervised with H. Hassanein

Supervisory Committee

May 15 – present **Ashraf Mohammed Alkhresheh**

Sep 14 – present **Sara Elsayed**

Jan 14 – present **Sheng Chai**

Nov 12 – present **Faria Khandaker**

UNDERGRADUATE STUDENT SUPERVISION AND MENTORING

Since 2011, I have supervised the following undergraduate capstone and/or research projects.

At Alfaisal University, Saudi Arabia

Sep 20 – Jun 21 **Osama Albahrani, Saad AlAmri, Saud AlNesseyan**
Internet of Things for Monitoring and Controlling Building Sustainability

Sep 17 – Jun 18 **Aram Sadig Monawar, Raghad Saleh AlTurki, Asma Asim Ali, Halah Faisal D AlSayed, Laila Munther Ihsan Felemban**
Amending a Solar-Powered Quadcopter with Wireless Power Transfer and Ergonomic RC

Sep 16 – Jun 17 **Shahad Bawardi, Asal Jambi and Mohga Osman, Ahmed ElSakka, Faisal Albasha and Abdulrahman Almoammer, Hamza Khilfawi and Ahmad Alsamsam**
Designing a Solar-Powered Quadcopter

Sep 14 – Jun 15 **Reem Mahmoud, Alanoud AlTurki, Ouais Saad and Moslah Alyami**
Designing Efficient Sensor/Actuator Coordination in Humanoid Robots

Sep 13 – Jun 14 **Mubarak Almansouri and Mohannad Krimly**
A Two-Axis Automated Solar Panel with a Power Processing Unit

RESEARCH AND PUBLICATIONS

Books	2	Book chapters	5
Journal papers	23	Conference papers	62

Books

1. W. Taha, **A-E M. Taha**, J. Thunberg, "Cyber-Physical Systems: A Model-based Approach", Springer, in press 2020. (Open Access: <https://bit.ly/32Smlrr>)
2. **A-E M. Taha**, N. A. Abu Ali and H. S. Hassanein, "LTE, LTE-Advanced and WiMax: Towards IMT-Advanced Networks," Wiley and Sons, in press Nov 2011.

Book Chapters

1. M. Ali and **A-E M. Taha**, "Wireless networks employing renewable energy sources for industrial applications: innovations, trade-offs and operational considerations", in *Renewable Energy Technologies for Water Desalination*, Edited by H. Mahmoud, N. Ghaffour, M. F. A. Goosen and J. Bundschuh, CRC Press, 2017.
2. **A-E M. Taha** et al, "Drivers for 5G: The Pervasive Connected World", in *Fundamentals of 5G Mobile Networks*, Edited by J. Rodriguez, Wiley, pp. 1–28, 2015.
3. K. Ali, **A-E M. Taha** and H. S. Hassanein, "Medium Access Control in RFID," in *RFID and Sensor Networks: Architectures, Protocols, Security and Integrations*, Edited by Y. Zhang, L. T. Yang and J. Chen, CRC Press, pp. 3–30, 2009.
4. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "A Cost-Controlled Bandwidth Adaptation Algorithm for Multimedia Wireless Networks," in *Resource, Mobility and Security Management in Wireless Networks and Mobile Communications*, Edited by Y. Zhang, H. Hu and M. Fujise. Auerbach Publications, pp. 271–302, 2006.
5. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "On the Application of Stochastic Integer Linear Programming in Allocation Policies for Heterogeneous Wireless Networks," in *Combinatorial Optimization in Communication Networks*, Edited by D.–Z. Du, M. Cheng and Y. Li., Kluwer Academic Publishers, pp. 171–188, 2006.

Peer-Reviewed Journal Papers

1. **A-E M. Taha**, "Quality of Experience in 6G Networks: Outlooks and Challenges," *MDPI Journal of Sensor and Actuator Networks*, Vol 10, Iss 1, 11, Feb 2021.
2. **A-E M. Taha** and A. Elabd, "IoT for Certified Sustainability in Smart Buildings," *IEEE Network*. Vol 35, Iss 4, pp. 241-247, Jul/Aug 2021.
3. **A-E M. Taha**, A. M. Rashwan, H. S. Hassanein, "Secure Communications for Resource-Constrained IoT Devices," *MDPI Sensors*, Vol 20, Iss 13, 3637, June 2020.
4. N. A. Abu Ali, **A-E M. Taha**, and E. Barka, "Integrating Blockchain and IoT/ITS for Safer Roads", *IEEE Network Magazine*, Vol. 34, Iss. 1, pp. 32-37, Jan/Feb 2020.
5. B. Dudin, N. A. Abu Ali, A. Radwan and **A-E M. Taha**, "Resource Allocation with Automated QoE Assessment in 5G/B5G Wireless Systems", *IEEE Network Magazine*, Vol. 33, Iss. 4, pp. 76-81, Jul/Aug 2019.
6. **A-E M. Taha** and N. A. Abu Ali, "Monitoring a Crowd's Affective State: Status Quo and Future Outlook", *IEEE Communications Magazine*, Vol 57, Iss 4, pp. 26-32, Apr 2019.

7. **A-E M. Taha**, "An IoT Architecture for Assessing Road Safety in Smart Cities", *Hindawi's Journal on Wireless Communication and Mobile Computing*, Volume 2018, Article ID 8214989, Nov 2018.
8. **A-E M. Taha** and N. A. Abu Ali, "Route Planning Considerations for Autonomous Vehicles", *IEEE Communications Magazine*, Vol 56, Iss 10, pp. 78-84, Oct 2018.
9. T. Islam, **A-E M. Taha**, and S. Akl, "A Minimum Knapsack based Resource Allocation for Underlying Device-to-Device Communication", *International Journal of Autonomous and Adaptive Communications Systems*, Vol 11, Iss 3, Jul 2018
10. W. Ibrahim, N. A. Abu-Ali, H. Hassanein and **A-E M. Taha**, "Characterizing Multi-hop Localization for Internet of Things", *Wiley's Journal on Wireless Communications and Mobile Computing*, Vol 16, Iss 18, pp. 3316-3331, Dec 2016.
11. K. E. Suleiman, **A-E M. Taha**, H. S. Hassanein, "Handover-Related Self-Optimization in Femtocells: A Survey and an Interaction Study", *Elsevier's Computer Communications*, Vol 73, pp. 82-98, Jan 2016.
12. W. M. Ibrahim, **A-E M. Taha**, H. S. Hassanein, "Using Smart Vehicles for Localizing Isolated Things," *Computer Communications*, Vol 74, pp. 16-25, Jan 2016.
13. N. Nasser, R. Miller, A. Esmailpour, **A-E M. Taha**, and T. Bejaoui, "Optimized Bandwidth Allocation in Broadband Wireless Networks," *Wiley's Journal on Wireless Communication and Mobile Computing*, Vol 15, Iss 17, pp. 2111-2124, Dec 2015.
14. A. M. Rashwan, **A-E M. Taha**, H. S. Hassanein, "Characterizing the Performance of Security Functions in Mobile Computing Systems," *IEEE Internet of Things Journal*, Vol 1, Iss 5, pp.399-413, Oct 2014
15. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Managing Connection Costs in Heterogeneous Wireless Networks," *Wiley's Journal on Wireless Communications and Mobile Computing*, Vol 14, Iss 12, pp. 1176-1188, Aug 2014.
16. N. A. Abu Ali, **A-E M. Taha**, M. Salah, H. S. Hassanein, "Uplink Scheduling in LTE and LTE-Advanced: Tutorial, Survey and Evaluation Framework," *IEEE Communications Surveys and Tutorials*, Vol 16, Iss 3, pp. 1239-1265, Aug 2014.
17. T. Islam, **A-E M. Taha**, and S. Akl, "A Survey of Access Management Techniques in Machine Type Communications", *IEEE Communications Magazine*, Vol 52, Iss 4, Apr 2014.
18. N. A. Abu Ali, **A-E M. Taha**, H. S. Hassanein, "Quality of Service in 3GPP R12 LTE-Advanced," *IEEE Communications Magazine*, Vol 51, Iss 8, pp. 103-109, Aug 2013.
19. **A-E M. Taha**, P. Kolomitro, H. S. Hassanein and N. A. Abu Ali, "Evaluating Frame Structure Design in WiMAX Relay Networks," *Concurrency and Computation: Practice and Experience*, Vol 25, Iss 5, pp. 608-625, Apr 2013.
20. A. Radwan, H. S. Hassanein and **A-E M. Taha**, "Identifying the Capacity Gains of Multihop Cellular Networks," *Computer Networks*, Vol 54, Iss 2, pp. 278-290, Feb 2010.
21. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Vertical Handoffs as a Radio Resource Management Tool," *Elsevier's Computer Communications*, Vol 31, Iss 5, pp. 950–961, Mar 2008.
22. N. A. Abu Ali, **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "IEEE 802.16 Mesh Schedulers: Issues and Design Challenges," *IEEE Network*, Vol 22, Iss 1, pp. 58–65, Jan/Feb 2008.
23. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Extensions for Internet QoS to Mobile IP: A Survey," *IEEE Communications Magazine*, Vol 43, Iss 5, pp. 132–139, May 2005.

Peer-Reviewed Conference Papers

1. M. Alharthi, **A-E M. Taha**, and H. S. Hassanein, "Evaluating Softwarization Gains in Drone Networks," *IEEE Globecom*, Dec 2021.
2. **A-E M. Taha**, N. A. Abu-Ali, H. R. Chi and A. Radwan, "MEC Resource Offloading for QoE-Aware HAS Video Streaming", *IEEE ICC*, 2021.
3. M. Alharthi, **A-E M. Taha**, and H. S. Hassanein, "Utilizing Network Function Virtualization for Drone-Based Networks," *IEEE Globecom*, Dec 2020.
4. J. Qadir, A. Shafi, A. Al-Fuqaha, **A-E M. Taha**, K-L Alvin Yau, J. Ponciano, S. Hussain, M. A. Imran, S. S. Muhammad, R. N. bin Rais, M. Rashid, and B. L. Tan, "Outcome-Based Engineering Education: A Global Report of International OBE Accreditation and Assessment Practices," *ASEE Annual Conference and Expo*, Jun 2020.
5. J. Qadir, **A-E M. Taha**, K-L Alvin Yau, J. Ponciano, S. Hussain, A. Al-Fuqaha, and M. A. Imran, "Leveraging the Force of Formative Assessment & Feedback for Effective Engineering Education", *ASEE Annual Conference and Expo*, Jun 2020.
6. M. Souilem, W. Dghais, A. Radwan, H. Ran Chi, and **A-E M. Taha**, "Dynamic Clustering for Power Effective Small Cell Deployment in HetNet 5G Networks", *IEEE ICC*, Jun 2020.
7. Z. Li, J. Wu, S. Mumtaz, **A-E M. Taha**, S. Al-Rubaye, and A. Tsourdos, "Machine Learning and Multi-dimension Features based Adaptive Intrusion Detection in ICN", *IEEE ICC*, Jun 2020.
8. **A-E M. Taha** and A. Elabd, "An IoT Architecture for LEED Certification of Existing Buildings," *IEEE ICC 2020 Workshop on Convergent IoT*, Jun 2020
9. M. Alharthi, **A-E M. Taha**, and H. S. Hassanein, "Dynamic Controller Placement in Software Defined Networks," *IEEE Globecom*, Dec 2019.
10. M. Alharthi, **A-E M. Taha**, and H. S. Hassanein, "An Architecture for Software Defined Drone Networks," *IEEE ICC*, May 2019.
11. A. Rashwan, **A-E M. Taha**, and H. S. Hassanein, "Using Aiders for Securing Communications of Resource-Challenged Mobile Devices," *IEEE ICC*, May 2019.
12. M. Ali, A. Ali, **A-E M. Taha**, T. N. Gia and I. S. Ben Dhaou, "Intelligent Autonomous Elderly Patient Home Monitoring System", *IEEE ICC*, May 2019.
13. **A-E M. Taha** and N. A. Abu Ali, "A Safe Systems View of IoT/ITS Solutions," *ICCSPA'19*, March 2019.
14. **A-E M. Taha**, "A Framework for Dynamic Assessment of Road Safety in Smart Cities", *IEEE Globecom*, Dec 2018.
15. **A-E M. Taha**, "An Overview of Cognitive Network Solutions", *IEEE CogniNets'18*, Oct 2018.
16. T. H. Mokhtar, A. Oteafy, **A-E M. Taha**, N. Nasser, and S. E. Mansour, "iCE: An Intelligent Classroom Environment to Enhance Education in Higher Educational Institutions", *HCI International*, Jul 2018, pp. 85-93.
17. S. Aleyadeh and **A-E M. Taha**, "An IoT-based Architecture for Waste Management," *IEEE ICC Workshops*, May 2018.
18. M. Ali, T. N. Gia, **A-E M. Taha**, A. M. Rahmani, T. Westerland and H. Tenhunen, "Autonomous Patient/Home Health Monitoring Powered by Energy Harvesting", *IEEE Globecom*, Dec 2017.
19. **A-E M. Taha**, "Facilitating Safe Vehicle Routing in Smart Cities", *IEEE ICC*, May 2017.
20. N. A. Abu-Ali and **A-E M. Taha**, "A Dynamic Scalable Scheme for Managing Mixed Crowds", *IEEE ICC*, May 2017.
21. A. Rashwan, **A-E M. Taha**, and H. S. Hassanein, "Toward Designing an Adaptive Communication Security for the Next-Generation Mobile Computing," *IEEE ICC*, May 2016.

22. T. Islam, **A-E M. Taha**, and S. Akl, "A Stable Matching Algorithm for Resource Allocation in Underlaying Device-to-Device Communications," *IEEE ICC*, May 2016.
23. T. Islam, **A-E M. Taha**, and S. Akl, "A Two-Phase Auction-Based Fair Resource Allocation for Underlaying D2D Communications," *IEEE ICC*, May 2016.
24. **A-E M. Taha** and N. Nasser, "Utilizing CAN-Bus and Smartphones to Enforce Safe and Responsible Driving," *International Workshop on Distributed Mobile Systems and Services*, Jul 2015.
25. T. Islam, **A-E M. Taha**, and S. Akl, "Reducing the Complexity of Resource Allocation for Underlaying Device-to-Device Communications," *IWCMC*, Aug 2015.
26. W. Ibrahim, N. Abu-Ali, **A-E M. Taha**, and H.S. Hassanein, "Side Localization to Increase Localization Accuracy," *IEEE/ACS AICCSA*, Nov 2014.
27. K. E. Suleiman, **A-E M. Taha**, H. S. Hassanein, "Understanding the Interactions of Handover-Related Self-Organization Schemes", *ACM MSWiM*, Sep 2014.
28. K. E. Suleiman, **A-E M. Taha**, H. S. Hassanein, "Standard-Compliant Simulation for Self-Organization Schemes in LTE Femtocells", *IEEE LCN*, Sep 2014.
29. F. Sagezchi, A. Radwan, J. Rodriguez, and **A-E M. Taha**, "Coalitional Relay Selection Game to Extend Battery Lifetime of Multi-standard Mobile Terminals," *IEEE ICC*, Jun 2014.
30. A. Rashwan, **A-E M. Taha**, and H. S. Hassanein, "Characterizing the Impact of Dynamic Resource Management in Message Authentication in Mobiles," *IEEE ICC*, Jun 2014.
31. G. T. Singh, M. Abu-Elkheir, F. M. Al-Turjman and **A-E M. Taha**, "Towards Prolonged Lifetime for Large-scale Information-Centric Sensor Networks," *Queen's Biennial Symposium on Communication*, Jun 2014.
32. M. Alharthi, **A-E M. Taha**, V. Vasilev, and K. Atkinson, "An Acumen/NS-3 Integration for Modeling Networked Cyber-Physical Systems", *Queen's Biennial Symposium on Communication*, Jun 2014.
33. W. Ibrahim, N. Abu-Ali, **A-E M. Taha**, and H.S. Hassanein, "Improving the Accuracy of Simulation Models for Localization Schemes," *IEEE ISSNIP*, Apr 2014.
34. W. Ibrahim, **A-E M. Taha**, and H.S. Hassanein, "Does Multi-hop Communication Enhance Localization Accuracy?," *IEEE Globecom*, Dec 2013.
35. W. Ibrahim, **A-E M. Taha**, and H.S. Hassanein, "Robust Wireless Multihop Localization Using Mobile Anchors," *IEEE ICC*, Jun 2013.
36. M. Harthi and **A-E M. Taha**, "Modeling Mobility for Networked Mobile Cyber-Physical Systems", in *Proceedings of the Workshop on Design, Modeling and Evaluation of Cyber Physical Systems*, CPSWeek, Apr 2013.
37. A. Rashwan, **A-E M. Taha**, and H. S. Hassanein, "Benchmarking Message Authentication Code Functions for Mobile Computing," *IEEE Globecom*, pp. 2585-2590, Dec 2012. (**Best Paper Award**).
38. **A-E M. Taha**, "Green Wireless Networks: A Radio Resource Management Perspective," *IEEE ICC*, Jun 2012.
39. N. Abu Ali and **A-E M. Taha**, "An MDP-based Model for Optimal Relay Selection in OFDMA Cooperative Networks," *IEEE ICC*, Jun 2012. (**Best Paper Award**).
40. W. Ibrahim, **A-E M. Taha**, and H. S. Hassanein, "Scalability Issues in Localizing Things," *IEEE LCN*, Oct 2011.
41. N. Nasser, R. Miller, A. Esmailpour and **A-E M. Taha**, "Utility Optimized Bandwidth Allocation in WiMAX Networks," *IWCMC*, Jul 2011. (**Best Paper Award**).
42. M. Salah, N. A. Abu Ali, **A-E M. Taha** and H. S. Hassanein, "Evaluating Uplink Schedulers in LTE in Mixed Traffic Environments", *IEEE ICC*, Jun 2011.
43. P. Kolomitro, **A-E M. Taha** and H. S. Hassanein, "A Performance Comparison of Frame Structures in WiMax Relay Networks," *IEEE LCN*, Oct 2010.

44. K. Elgazzar, M. Salah, **A-E M. Taha** and H. S. Hassanein, "Comparing Uplink Schedulers for LTE," *IWCMC*, Jun 2010. (**Best Paper Award**).
45. N. A. Abu Ali and **A-E M. Taha**, "IMT-Advanced for Body Area Networks: Enabling Technologies," *IWCMC*, Jun 2010.
46. **A-E M. Taha**, "Resource Reservation in Dynamic Spectrum Networks," *IEEE Gulf Cooperative Council (GCC) Conference*, Mar 2009.
47. **A-E M. Taha**, "Towards Comprehensive RRM Frameworks for Heterogeneous Wireless Networks," *ISTA*, Mar 2009.
48. A. Hasswa, H. S. Hassanein and **A-E M. Taha**, "Facilitating 4G Convergence using IMS," *ISTA*, Mar 2009.
49. A. M. Rashwan, **A-E M. Taha** and H. S. Hassanein, "Considerations for Bandwidth Adaptation Mechanisms in Wireless Networks," *Queen's Biennial Symposium on Communications*, Jun 2008.
50. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Reducing the Cost of Service Delivery in Heterogeneous Wireless Networks," *IEEE Globecom*, Nov 2007.
51. K. Ali, **A-E M. Taha** and H. S. Hassanein, "RFID Anti-Collision Protocol for Dense Passive Tag Environments," *IEEE LCN*, Oct 2007.
52. A. Hasswa, **A-E M. Taha** and H. S. Hassanein, "On Extending IMS Services to WLANs," *IEEE LCN*, Oct 2007.
53. K.A. Ali, H. S. Hassanein, **A-E M. Taha** and H. T. Mouftah, "Directional Cell Breathing: A Module for Congestion Control and Load Balancing in WCDMA Networks," *IWCMC*, Jul 2006.
54. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "A Multi-Class, Sub-Adaptation Module for Forced Vertical Handoffs," *IEEE ISCC*, Jun 2006.
55. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Exploiting Vertical Handoffs in Next Generation Radio Resource Management," *IEEE ICC*, Jun 2006.
56. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Evaluating the Performance of Stochastically Triggered Bandwidth Adaptation Algorithms," *IEEE LCN*, Nov 2005.
57. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah "On Reducing the Operational Costs of Bandwidth Adaptation Algorithms," *IEEE Broadnets*, Oct 2005.
58. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "The Effect of Joint Allocation Policies on Preference-Triggered Vertical Handoffs," *IEEE IWCMC*, Aug 2005.
59. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "On the Integration of Internet QoS Paradigms and Ad hoc Networks," *IEEE/ACS AICCSA*, Jan 2004.
60. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "On Robust Allocation Policies in Wireless Heterogeneous Networks," *QSHINE*, Oct 2004.
61. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Integrated Solutions for Wireless MPLS and Mobile IP: Current Status and Future Directions," *IEEE CCECE*, May 2004.
62. **A-E M. Taha** and A. E. Kamal, "Optimal and Near-Optimal Web Proxy Placement Algorithms for Networks with Planar Graph Topologies," *IEEE ICDCS Workshops*, May 2003.

Other Publications

1. M. Salah, N. A. Abu Ali, **A-E M. Taha** and H. S. Hassanein, "Designing Standard-Compliant LTE Schedulers", *Wireless World Research Forum*, Apr 2011.
2. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Overview of QoS Extensions for Mobile IP Networks," Communications and Information Technology Ontario (CITO) Knowledge Network Conference, Ottawa, Canada, Sep 2003.

3. **A-E M. Taha**, “Wireless Ad-Hoc Networks: Characteristics and Challenges,” (In Arabic), *Engineers' Magazine*, Publication of the Kuwaiti Engineering Society, Aug 2002.

KEYNOTE TALKS

1. *Road Safety and Convergent IoT/ITS – From Safe Systems to Blockchains*, IEEE ICC Convergent-IoT Workshop, May 2019
2. *The Relevant Capstone*, International Conference on Communications, Signal Processing, and their Applications, Mar 2019
3. *Cognitive Networks – Enabling Technologies and the Road Ahead*, 21st Saudi Computer Society National Computer Conference, Apr 2018
4. *Cognitive Networks – Enabling Technologies and the Road Ahead*, Prince Sultan Fourth Engineering Research Forum, Riyadh, Apr 2017
5. *Resource Allocation in D2D Communications*, IEEE WCNC Workshop on Novel Waveform and MAC Design for 5G Networks, Doha, Apr 2016
6. *Next Generation Internet of Things*, Third Saudi International Electronics, Communications, and Photonics Conference, Riyadh, Apr 2015

INVITED TALKS & SEMINARS

1. *Technology and Domestic Violence and Abuse*, First Annual Symposium on Computational and Mathematical Methods in Medicine, Dec 2021
2. *The Internet of Things – A Primer*, Alfaisal University Software Engineering Club (Click-IT) Second Computer Science Education Week, Dec 2015.
3. *Localization in the Internet of Things: By any means necessary*, Queen's University, Kingston, Jun 2012.
4. *Networking Life*, Alfaisal University, Riyadh, Oct 2011.
5. *Rethinking Radio Resource Management*, Queen's University, Kingston, Oct 2010.
6. *Handovers as a Network Resource*, Nile University, Cairo, Jul 2010.
7. *Resource Availability: Rethinking RRM*, Avaya, Belleville, Jun 2010.
8. *Handovers as a Network Resource*, German University in Cairo, Cairo, May 2010.
9. *Admissions Management*, Queen's University, Kingston, Jan 2008.
10. *QoS and Traffic Management in Heterogeneous Wireless Networks*, Bell Mobility, Toronto, Dec, 2007
11. *Traffic Management in Heterogeneous and Variable Topology Wireless Networks*, Bell Mobility, Toronto, Oct 2006.
12. *Wireless Heterogeneous Networks – What is Next?*, International Institute of Telecommunications, Montreal, Sep 2006.
13. *Enabling the Wireless City*, Nortel Networks, Ottawa, Jul 2006.
14. *Next Generation Wireless Mesh Networks*, Nortel Networks, Ottawa, May 2006.
15. *Resource Management in Future Wireless and Mobile Networks*, PARTEQ, Kingston, Aug 2005.
16. *QoS in Heterogeneous Wireless Networks*, Ottawa University, Ottawa, Jul 2004.
17. *QoS Provisioning in Wireless Networks*, Nortel Networks, Mar 2004.

TUTORIALS

1. M2M Communications and Next Generation Global IoT, with N. A. Abu Ali and H. S. Hassanein, *IEEE ICC*, Jun 2014.
2. Remote Wellbeing Monitoring in 4G Networks, with N. A. Abu Ali and H. S. Hassanein, *IEEE ICC*, Jun 2012.
3. *Beyond IMT-Advanced: The next ten years*, with N. A. Abu Ali and H. S. Hassanein, *IEEE ICC*, Jun 2011.
4. *Wireless Broadband in 2020: Looking through the IMT-Advanced Eyehole*, with N. A. Abu Ali, *IEEE VTC-Fall*, Sep 2010.
5. *Enabling Technologies and Standardization Activities of IMT-Advanced*, with N. A. Abu Ali and H. S. Hassanein, *IEEE Globecom*, Dec 2009.
6. *Cognitive Radio Networks: Technologies Enabling Dynamic Spectrum Allocations*, with H. S. Hassanein, *IEEE GCC Conference*, Mar 2009.

RESEARCH GRANTS AND PROJECTS

\$2.5M secured in research funds to date.

- 2020 – 2021 **PI (~\$8K, 100%), Alfaisal University Internal Research Grant (KSA)**
Safely Detecting Instances of Domestic Violence and Abuse During Covid-19 Lockdown
- 2019 – 2020 **Co-PI (~\$13K, 50%), Alfaisal University Internal Research Grant (KSA)**
Toward Green Campus: Retrofitting Strategy for Energy Efficiency while Enhancing Awareness of Sustainability at Alfaisal University
With A. Elabd
- 2019 – 2020 **Co-PI (~\$13K, 50%), Alfaisal University Internal Research Grant (KSA)**
Shaping the Vision of Quality of Experience (QoE) for future 5G networks
With B. Dudin
- 2018 – 2019 **Co-PI (~\$9.3K, 50%), Alfaisal University Internal Research Grant (KSA)**
Autonomous Wearable Bio-Signals Monitoring Platform
With M. Ali
- 2017 – 2018 **PI (~\$25K, 100%), KACST – Small Grants (KSA)**
AmanRoute: An Internet of Things Architecture for Safety-based Route Planning
- 2016 – 2017 **PI (\$50K, 100%), Boeing – Talent Pipeline Development (KSA)**
Design and Development of a Solar Powered Multirotor-UAV
- 2016 – 2018 **PI (~\$9.3K, 100%), Alfaisal University Internal Research Grant (KSA)**
Exploiting human-undesired routes for driverless cargo vehicles
- 2016 – 2018 **Co-PI (~\$9.3K, 50%), Alfaisal University Internal Research Grant (KSA)**
Smart Waste Management System
With S. Aleyadeh
- 2016 – 2018 **Co-PI (~\$9.3K, 50%), Alfaisal University Internal Research Grant (KSA)**
Energy Harvesting for Ultra Low Power Platforms for Internet of Things (IoT) Applications and power management ICs
With M. Ali
- 2013 – 2014 **Co-PI (~\$13.3K, 50%), Alfaisal University Internal Research Grant (KSA)**
Enforcing safe and responsible driving using smartphones
With N. Nasser
- 2012 – 2015 **Co-PI (~\$1M, 35%), QNRF NPRP (Qatar)**
Remote Monitoring over Sustainable Wireless Networks
With N. Abu Ali (lead PI), H. Menouar and H. Hassanein

- 2012 – 2014 **Co-PI (~\$450K, 33%), NSERC Strategic (Canada)**
Engaging Vehicles in Ubiquitous Service Networks
With H. Hassanein (lead PI) and A. Nouredin
- 2011 – 2014 **PI (~\$94K, 100%), Alfaisal University Startup Fund (KSA)**
Modeling Communications Traffic of Wireless Networked Machines
- 2011 - 2015 **PI (~\$100K, 100%), NSERC Discovery (Canada)**
Simplifying Resource Management in Wireless Broadband Networks
- 2010 – 2012 **Consultant (\$250K), NCDR's NRF (UAE)**
A Framework for Designing Reliable Body Area Networks for Remote Wellbeing Monitoring
With N. Abu Ali (PI)
- 2008 – 2010 **PDF & Technical Manager (~\$500K), NSERC Strategic (Canada)**
Enabling Ubiquitous Mobile Services
With H. Hassanein (lead PI), P. Martin and M. Ibnkahla

UNIVERSITY COMMITTEE SERVICES

Alfaisal University, Saudi Arabia

University Level

- 2022 – 2023 Director, Office of Research and Innovation
Member, Research Council
- 2021 – 2022 Director, Office of Research and Innovation
Member, Research Council
- 2020 – 2021 Member, Research Council
- 2019 – 2020 Member, Research Council
- 2018 – 2019 Member, Research Council
- 2017 – 2018 Member, Scheduling Committee
Member, Scholarship Committee
- 2016 – 2017 Member, Scheduling Committee
Member, Scholarship Committee
- 2015 – 2016 Member, New Faculty Review Committee
Member, Provost's Faculty Advisory Committee
Member, University Council
- 2014 – 2015 Member, New Faculty Review Committee
Member, Provost's Faculty Advisory Committee
Member, Scheduling Committee
Member, University Council
- 2013 – 2014 Member, MSc on Nanotechnology Development Committee
Member, Recruitment Committee
Member, University Council
- 2012 – 2013 Member, Scheduling Committee
- 2011 – 2012 Member, Recruitment Committee
Member, Scheduling Committee
Member, Student Orientation Committee

College Level

- 2020 – 2021 Member, Research Committee
- 2019 – 2020 Engineering Vice Dean, Research, Graduate Studies and Quality Assurance
Coordinator, Assessment and Continuous Improvement Committee

2018 – 2019 Engineering Vice Dean, Research, Graduate Studies and Quality Assurance
Coordinator, Assessment and Continuous Improvement Committee

2017 – 2018 Engineering Vice Dean, Academic and Student Affairs
Member, Assessment and Continuous Improvement Committee

2016 – 2017 Engineering Vice Dean, Academic and Student Affairs
Member, Assessment and Continuous Improvement Committee

2015 – 2016 Member, Assessment and Continuous Improvement Committee

2014 – 2015 Chair, Scheduling Committee
Liaison with College of Science Curriculum Committees

2013 – 2014 Member, Electrical Engineering Search Committee
Member, Recruitment Committee

2012 – 2013 Member, Recruitment Committee
Contributor, College Strategic Plan

2011 – 2012 Chair, Recruitment Committee

Department Level (EE)

2019 – 2020 Member, Electrical Engineering Search Committee
Member, Scientific Committee

2019 – 2020 Chair, Assessment and Continuous Improvement Committee
Member, Electrical Engineering Search Committee
Member, Scientific Committee

2018 – 2019 Chair, Assessment and Continuous Improvement Committee
Member, Scientific Committee

2017 – 2018 Chair, EE Department
Chair, Assessment and Continuous Improvement Committee
Member, Electrical Engineering Search Committee
Member, Scientific Committee

2016 – 2017 Chair, EE Department
Chair, Assessment and Continuous Improvement Committee
Member, Electrical Engineering Search Committee
Member, Scientific Committee

2015 – 2016 Chair, EE Department
Chair, Assessment and Continuous Improvement Committee
Member, Electrical Engineering Search Committee
Member, Scientific Committee

2014 – 2015 Chair, Assessment and Continuous Improvement Committee
Chair, Scheduling Committee
Member, Electrical Engineering Search Committee
Member, Scientific Committee

2013 – 2014 Chair, Graduate Studies Committee
Chair, Internship Placement Committee
Chair, Student Affairs Committee
Member, Assessment and Continuous Improvement Committee
Member, Recruitment Committee
Member, Research Committee
Member, Scientific Committee
Member, Social and Public Seminar Committee

2012 – 2013 Chair, Scheduling Committee
Chair, Student Affairs Committee
Member, Assessment and Continuous Improvement Committee
Member, Recruitment Committee
Member, Scientific Committee
Contributor, Research and Graduate Studies Committee
Contributor, Social and Public Seminar Committee

2011 – 2012 Chair, Library Committee
Chair, Social and Public Seminar Committee
Member, Assessment and Continuous Improvement Committee
Member, Scheduling Committee
Member, Scientific Committee

Queen's University, Canada

2009 – 2011 Member, University's General Research Ethics Board (GREB)

PROFESSIONAL ACTIVITIES

Memberships in Professional Bodies

Institute of Electrical and Electronics Engineers (IEEE) (Senior Member)
IEEE Communication Society
Association for Computing Machinery (ACM)
Professional Engineers Ontario (PEO)
Egyptian Syndicate of Engineers

Services within Professional Bodies

2023 *Chair*, IEEE ComSoc TC on Communications Software (CommSoft)
2022 *Vice Chair*, IEEE ComSoc TC on Communications Software (CommSoft)
2021 *Vice Chair*, IEEE ComSoc TC on Communications Software (CommSoft)
2020 *Secretary*, IEEE ComSoc TC on Communications Software (CommSoft)
2019 *Secretary*, IEEE ComSoc TC on Communications Software (CommSoft)
2018 *Executive Member & Student Activities Officer* IEEE Saudi Section Chapter
2012 *Executive Member & Webmaster* IEEE Kingston Section Chapter
2011 *Executive Member & Webmaster* IEEE Kingston Section Chapter

Competition Organizer and/or Referee

2020 *Organizer and Referee*
Alfaisal University Covid-19 Hackathon on 3D Printing
2018 *Organizer and Referee*
KSA Local Round for the Third GCC Robotics Challenge
2015 *Organizer and Referee*
KSA Local Round for the First GCC Robotics Challenge
2014 *Referee*
The 2014 IEEE Communication Society Student Competition
(serving on behalf of the IEEE Wireless Communications Technical Committee)
2013 *Referee*
The 2013 IEEE Communication Society Student Competition
(serving on behalf of the IEEE Wireless Communications Technical Committee)

Conference and Workshop Organization Activities

2023 **Symposium Co-Chair**

Mobile and Wireless Networks (MWN) Symposium at the IEEE Global Communications Conference (Globecom)

2020 **Symposium Co-Chair**

Communication Software, Services, and Multimedia Applications (CSSMA) Symposium at the IEEE International Conference on Communications (ICC)

Workshop Co-Chair

Workshop on Performance Evaluation of Communications in Distributed Systems and Web based Service Architectures (PEDISWESA)

Conference Track Co-Chair

International Conference on Smart Systems and Emerging Technologies, Conference Track on Communication and Networking

2018 **Workshop Co-Chair**

Workshop on Cognitive Networks (CogniNets)

2014 **Conference Track Co-Chair**

International Conference on Computing, Management and Telecommunications, Conference Track on Engineering Systems and Applications

2013 **Steering Committee Member**

Saudi International Electronics, Communications and Photonics Conference

Special Session Chair

IEEE Workshop on Wireless Local Networks

2012 **Workshop Co-Chair**

Workshop on the Design, Modeling and Evaluation of Cyber Physical Systems (CyPhy)

2011 **Workshop Co-Chair**

Workshop on the Design, Modeling and Evaluation of Cyber Physical Systems (CyPhy)

Conference Track Co-Chair

IEEE/IFIP International Conference on Embedded and Ubiquitous Computing, Conference Track on Cyber Physical Systems and Internet of Things track

2010 **Workshop Co-Chair**

Workshop on the Design, Modeling and Evaluation of Cyber Physical Systems (CyPhy)
IEEE Workshop on Wireless Local Networks

2009 **Workshop Co-Chair**

IEEE Workshop on Wireless Local Networks
Workshop on Advanced Wireless Broadband Networks

2008 **Workshop Co-Chair**
Workshop on Radio Resource Management in Wireless Mesh Networks

Conference and Workshop Publicity Chair

2014 - 2019 Workshop Model-Based Design of Cyber Physical Systems (CyPhy)

2008 IEEE Symposium on Computer Communications

2005 Workshop on Internet Compatible QoS in Ad hoc Wireless Networks

Award/Grant Referee

2016 Umm Al-Qura University – Internal Research Grant

2016 Effat University – Internal Research Grant

2012 Kentucky Science and Engineering Foundation, R&D Excellence Award.

2010 Kentucky Science and Engineering Foundation, R&D Excellence Award

Journal/Magazine Editorial Posts

2023 **Area Editor**
Canadian Journal on Electrical and Computer Engineering

Associate Editor
IEEE Communications Magazine

Guest Editor
IEEE Communications Magazine, Feature Topic on “Affective Computing and Communications Research, Technologies, Management and Applications”

MDPI Journal of Sensor and Actuator Networks, Special Issue on “Advancing Towards 6G Networks”

2022 **Area Editor**
Canadian Journal on Electrical and Computer Engineering

Associate Editor
IEEE Communications Magazine

2021 **Area Editor**
Canadian Journal on Electrical and Computer Engineering

Associate Editor
IEEE Communications Magazine

Guest Editor

MDPI Sensors, Special Issue on “Emotional AI and its Applications in Communications Networks”

2020 Guest Editor

MDPI Journal of Sensor and Actuator Networks, Special Issue on “5G and Beyond – Towards Enhancing our Future”

2013 Associate Editor

Canadian Journal on Electrical and Computer Engineering

Guest Editor

IEEE Wireless Communications Magazine, Special Issue on “Cooperative and Cognitive paradigms for Green HetNets”

2012 Associate Editor

Canadian Journal on Electrical and Computer Engineering

Book Referee

2019 Wiley & Sons

2013 Wiley & Sons

2008 Wiley & Sons

Technical Program Committee Member

2023 IEEE Conference on Local Computer Networks
IEEE International Conference on Communications
IEEE Global Communications Conference

2022 IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
International Conference on Communications, Signal Processing, and their Applications

2021 IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Wireless and Mobile Computing, Networking and Communications
International Wireless Communications and Mobile Computing Conference

2020 IEEE Cyber Security in Networking Conference
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Computing, Networking and Communications
IEEE International Conference on Wireless and Mobile Computing, Networking and Communications

IEEE Vehicular Technology Conference (Spring and Fall)
IEEE Workshop on Convergent Internet of Things
International Wireless Communications and Mobile Computing Conference

2019 IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Wireless and Mobile Computing, Networking and Communications
IEEE Middle East & North Africa Communications Conference
IEEE Vehicular Technology Conference (Fall)
IEEE Wireless Communications and Networking Conference
IEEE Workshop on Convergent Internet of Things
International Conference on Modeling, Simulation and Applied Optimization
International Wireless Communications and Mobile Computing Conference

2018 IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Multidisciplinary Conference on Engineering Technology
IEEE Wireless Communications and Networking Conference
International Wireless Communications and Mobile Computing Conference

2017 IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE Workshop on Vehicular Information Services for the Internet of Things
IEEE Wireless Communications and Networking Conference
IEEE Workshop on Convergent Internet of Things
International Conference on Wireless Communications and Signal Processing
International Wireless Communications and Mobile Computing Conference

2016 Biennial Symposium on Communications
IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Workshop on Pervasive Sensing and Computing in the IoT Era
IEEE Wireless Communications and Networking Conference
IEEE Workshop on Convergent Internet of Things
IEEE Workshop on Distributed Mobile Systems and IoT Services
IEEE Workshop on Scalable Internet of Things
International Wireless Communications and Mobile Computing Conference

2015 IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE Wireless Communications and Networking Conference
IEEE Workshop on Distributed Mobile Systems and Services
IEEE Workshop on Wireless Local Networks
International Conference on Computing and Network Communications

International Conference on Computing, Management and Telecommunications
International Wireless Communications and Mobile Computing Conference

- 2014 IEEE Conference on Local Computer Networks
IEEE Consumer Communications and Networks Conference
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Connected Vehicles and Expo
IEEE Wireless Communications and Networking Conference
IEEE Workshop on Wireless Local Networks
International Conference on Computing, Management and Telecommunications
International Symposium on Wireless Communication Systems
International Workshop on Distributed Mobile Systems and Services
Queen's Biennial Symposium on Communications
- 2013 IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE Wireless Communications and Networking Conference
International Conference on Communications and Information Technology
International Conference on Computing, Management and Telecommunications
International Conference on Connected Vehicles
International Conference on Innovations in Information Technology
International Conference on Wireless Communications and Signal Processing
International Wireless Communications and Mobile Computing Conference
- 2012 ACM/IEEE/IFAC/TRB International Conference on Connected Vehicles
IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Communications in China
IEEE International Symposium on Personal, Indoor and Mobile Radio Communications
IEEE Symposium on Computers and Communications
IEEE Wireless Communications and Networking Conference
- 2011 ACS/IEEE International Conference on Computer Systems and Applications
IARIA International Conference on Advances in Mesh Networks
IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Wireless and Mobile Computing, Networking and Communications
IEEE International Symposium on Personal, Indoor and Mobile Radio Communications
IEEE Wireless Communications and Networking Conference
- 2010 ACS/IEEE International Conference on Computer Systems and Applications
IARIA International Conference on Advances in Mesh Networks
IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications

IEEE International Conference on Wireless and Mobile Computing, Networking and Communications
IEEE International Symposium on Personal, Indoor and Mobile Radio Communications
IEEE Wireless Communications and Networking Conference

- 2009 ACS/IEEE International Conference on Computer Systems and Applications
IARIA International Conference on Advances in Mesh Networks
IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Wireless and Mobile Computing, Networking and Communications
IEEE International Symposium on Personal, Indoor and Mobile Radio Communications
IEEE Wireless Communications and Networking Conference
- 2008 ACS/IEEE International Conference on Computer Systems and Applications
IARIA International Conference on Advances in Mesh Networks
IEEE Conference on Local Computer Networks
IEEE Global Communications Conference
IEEE International Conference on Communications
IEEE International Conference on Wireless and Mobile Computing, Networking and Communications
IEEE International Symposium on Personal, Indoor and Mobile Radio Communications
IEEE International Workshop on Heterogeneous Wireless Networks: Resource Management and QoS
IEEE Wireless Communications and Networking Conference
- 2007 IEEE Conference on Local Computer Networks
IEEE International Workshop on eSafety and Convergence of Heterogeneous Wireless Networks
IEEE International Workshop on Heterogeneous Wireless Networks: Resource Management and QoS
- 2006 IEEE Conference on Local Computer Networks
IEEE International Workshop on eSafety and Convergence of Heterogeneous Wireless Networks
IEEE International Workshop on Heterogeneous Wireless Networks: Resource Management and QoS
IEEE International Workshop on Radio Resource Management for Wireless Cellular Networks
- 2005 IEEE Conference on Local Computer Networks
IEEE International Workshop on Radio Resource Management for Wireless Cellular Networks
IEEE Symposium on Heterogeneous Wireless Networks

Journal Referee

- 2023 Elsevier's Vehicular Communications
IEEE Communications Magazine
IEEE Transactions on Cognitive Communications and Networking
IEEE Transactions on Consumer Electronics
IEEE Transactions on Information Forensics and Security
IEEE Transactions on Mobile Computing
Wiley IET Quantum Communications
- 2022 IEEE Communications Standards Magazine
IEEE Network Magazine
IEEE Transactions on Industrial Informatics
IEEE Transactions on Mobile Computing
IEEE Transactions on Green Communications and Networking
- 2021 Elsevier's Ad hoc Networks
Elsevier's Pervasive and Mobile Computing
Elsevier's Smart Health
Elsevier's Vehicular Communications
IEEE Communications Magazine
IEEE Communications Standards Magazine
IEEE Internet of Things Magazine
IEEE Network Magazine
IEEE Transactions on Green Communications and Networking
IEEE Transactions on Intelligent Transportation Systems
IEEE Transactions on Mobile Computing
IEEE Transactions on Network and Service Management
IEEE Wireless Communications Magazine
Springer's Annals of Telecommunications
- 2020 Elsevier's Computer Communications
IEEE Access
IEEE Communications Magazine
IEEE Internet of Things Journal
IEEE Network Magazine
IEEE Transactions on Vehicular Technology
Springer's Arabian Journal for Science and Engineering
- 2019 IEEE Communications Magazine
IEEE Intelligent Transportation Systems Magazine
IEEE Network Magazine
IEEE Transactions on Vehicular Technology
Springer's Arabian Journal for Science and Engineering
Wiley's Security and Privacy
Wiley's Transactions on Emerging Telecommunications Technologies
- 2018 Hindawi's Wireless Communications and Mobile Computing
IEEE Access
IEEE Communications Magazine

IEEE Transactions on Industrial Informatics
International Journal of Communication Systems

- 2017 Elsevier's Computer Communications
Elsevier's Expert Systems with Applications
Elsevier's Future Generation of Computer Systems
IEEE Communications Magazine
International Journal of Communication Systems
- 2016 Elsevier's Computer Communications
Elsevier's Computers and Electronics in Agriculture
Elsevier's Vehicular Communications
IEEE Communications Magazine
- 2015 Elsevier's Computer Communications
EURASIP Journal on Wireless Communications and Networking
Hindawi's International Journal of Vehicular Technology
IEEE Communications Magazine
IEEE Transactions on Wireless Communications
IEEE Transactions on Emerging Topics in Computing
- 2014 International Journal of Sensor Networks (IJSNET)
Elsevier's Journal of Computer Networks
- 2013 Elsevier's Computers and Electrical Engineering
Elsevier's Journal of Computer Communications
Hindawi's International Journal of Vehicular Technology
IEEE Communications Magazine
IEEE Communications Surveys and Tutorials
IEEE Wireless Communications Magazine
Inderscience's International Journal of Wireless and Mobile Communications
Wiley's Journal of Wireless Communications and Mobile Computing
- 2012 Elsevier's Ad Hoc Networks, Elsevier
Hindawi's EURASIP Journal on Wireless Communications and Networks
IEEE Communications Magazine
Inderscience's International Journal of Wireless and Mobile Communications
Wiley's Journal of Wireless Communications and Mobile Computing
- 2011 Hindawi's EURASIP Journal on Wireless Communications and Networks
Elsevier's Journal of Computer Networks
IEEE Transactions on Communications
Inderscience's International Journal of Wireless and Mobile Communications
Wiley's Journal of Wireless Communications and Mobile Computing
- 2010 Elsevier's Computers and Electrical Engineering
Elsevier's Journal of Computer Communications
Elsevier's Journal of Computer Networks
Hindawi's Mathematical Problems in Engineering

IEEE Communications Magazine
IEEE Transactions on Mobile Computing
IEEE Wireless Communications Magazine
Wiley's Journal of Wireless Communications and Mobile Computing

- 2009 Elsevier's Computers and Electrical Engineering
Elsevier's Journal of Computer Communications
Elsevier's Performance Evaluation
IEEE Communications Magazine
IEEE Transactions on Communications
IEEE Wireless Communications Magazine
Wiley's Journal of Wireless Communications and Mobile Computing
- 2008 Wiley's Journal of Wireless Communications and Mobile Computing
Elsevier's Journal of Computer Communications
IEEE Communications Magazine
IEEE Wireless Communications Magazine
- 2007 Wiley's Journal of Wireless Communications and Mobile Computing
Elsevier's Journal of Computer Communications
IEEE Communications Magazine
- 2006 Wiley's Journal of Wireless Communications and Mobile Computing
IEEE Communications Magazine
- 2005 Wiley's Journal of Wireless Communications and Mobile Computing
IEEE Network Magazine
IEEE Communications Magazine
- 2004 Wiley's Journal of Wireless Communications and Mobile Computing
- 2003 Elsevier's Journal of Parallel and Distributed Computing

Conference Referee

- 2019 IEEE Vehicular Technology Conference
- 2017 IEEE Canadian Conference on Electrical and Computer Engineering
IEEE Conference on Computer Communications
IEEE International Workshop on 5G in Internet of Things
- 2016 IEEE Conference on Computer Communications
- 2015 IEEE Conference on Computer Communications
- 2014 IEEE International Conference on High Performance Switching and Routing
International Wireless Communications and Mobile Computing Conference

- 2013 IEEE Conference on Computer Communications
- 2012 IEEE International Conference on Computer Communications
IEEE International Conference on Wireless and Mobile Computing, Networking and Communications
IEEE Vehicular Technology Conference
IEEE Workshop on Wireless Local Networks
International Conference on Communications, Networking and Internet Technology
International Conference on Wireless Communications and Mobile Computing
- 2011 IEEE International Conference on Computer Communications
IEEE International Conference on Computer Communications and Networks
IEEE International Conference on Computing, Networking and Communications
IEEE Symposium on Computers and Communications
- 2010 IEEE International Conference on Computer Communications
IEEE Vehicular Technology Conference
IFIP International Conference on New Technologies, Mobility and Security
- 2009 IEEE GCC Conference and Exhibition
IEEE International Conference on Multimedia Computing and Information Technology
The International Conference on Information Science, Technology and Applications
- 2008 IEEE Vehicular Technology Conference
- 2007 ACS/IEEE International Conference on Computer Systems and Applications
Annual Conference on Communication Networks and Services Research
IEEE Consumer Communications and Networking Conference
IEEE Global Conference on Communications
IEEE International Conference on Communications
IEEE Wireless Communications and Networking Conference
International Conference on Wireless Communications and Mobile Computing
- 2006 IEEE Consumer Communications and Networking Conference
IEEE Global Conference on Communications
IEEE International Conference on Communication Systems
IEEE International Conference on Communications
IEEE Vehicular Technology Conference
IEEE Wireless Communications and Networking Conference
International Conference on Wireless Communications and Mobile Computing
Queen's University Biennial Symposium on Communications
- 2005 IEEE Conference on Sensor and Ad Hoc Communications and Networks
IEEE Consumer Communications and Networking Conference
IEEE Global Conference on Communications
IEEE International Conference on Broadband Networks
IEEE International Conference on Communications
IEEE Malaysia International Conference on Communications – International Conference on Networks

IFIP/IEEE International Conference on Wireless and Optical Communication Networks
International Conference on Heterogeneous Networking for Quality, Reliability, Security
and Robustness
Workshop on eSafety and Convergence of Heterogeneous Wireless Networks

- 2004 ACM Workshop on Performance Evaluation of Wireless Ad Hoc, Sensor, and
Ubiquitous Networks
IASTED International Conference on Communications, Internet, and Information
Technology
IEEE Conference on Local Computer Networks
IEEE Consumer Communications and Networking Conference
IEEE Global Conference on Communications
IEEE International Conference on Communications
IEEE International Conference on Parallel Processing
IEEE International Performance Computing and Communications Conference
IEEE Symposium on Computers and Communications
International Conference on Heterogeneous Networking for Quality, Reliability, Security
and Robustness
- 2003 ACM Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems
IEEE International Conference on Communications
IEEE International Performance Computing and Communications Conference