

Abd-Elhamid M. Taha, PhD

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Alfaisal University, College of Engineering, PO Box 50927, Riyadh 11533 KSA

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

- Sep 11 – present **Assistant Professor**
Electrical Engineering Program, Alfaisal University, Saudi Arabia
- Jan 11 – present **Adjunct Assistant Professor**
School of Computing, Queen's University, Canada
- 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
 - Communications Theory
 - Computer Architecture
 - Computer Networks
 - Cyber Physical Systems
 - Digital Logic Circuits
 - Introductory Electronics
 - Introductory Computer Programming
 - 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*.

GRADUATE STUDENT SUPERVISION

Since 2007, I have supervised or co-supervised 3 PhD students and 4 MSc students.

At Queen's University, Canada

PhD Students

Sep 11 – present **Mohammad Tauhid Islam**
Access Management in Machine to Machine Communications

Sep 07 – present **Abdolmonem Rashwan**
A Framework for Practical Transport Layer Security in NGNs

Sep 10 – Apr 14 **Walid Ibrahim**
A Framework for Location Management in the Internet of Things

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

Sep 08 – Apr 11 **Mohamed Salah**
Comparing Uplink Schedulers in LTE

Sep 08 – Aug 10 **Pandeli Kolomitro**
A Performance Comparison of Frame Structures in WiMax Multi-Hop Relay Networks

Supervisory Committee

Jan 14 – present **Wenying Feng**

Nov 12 – present **Faria Khandaker**

RESEARCH AND PUBLICATIONS

Book

1. **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.

Peer-Reviewed Journal Papers

2. W. M. Ibrahim, **A-E M. Taha**, H. S. Hassanein, "Using Smart Vehicles for Localizing Things," *Computer Communications*, 2013. (accepted)
3. T. Islam, **A-E M. Taha**, and S. Akl, "A Survey of Access Management Techniques in Machine Type Communications", *IEEE Communications Magazine*, Volume 52, Issue 4, April 2014.
4. 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*, 2014.
5. 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*, Issue 99, made available online December 2013.
6. N. A. Abu Ali, **A-E M. Taha**, H. S. Hassanein, "Quality of Service in 3GPP R12 LTE-Advanced," *IEEE Communications Magazine*, Aug 2013.
7. **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*, (accepted, online since Aug 10, 2012, DOI: 10.1002/wcm.2263).
8. **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.
9. 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, February 2010.
10. **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.
11. 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.
12. **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

13. K. E. Suleiman, **A-E M. Taha**, H. S. Hassanein, "Understanding the Interactions of Handover-Related Self-Organization Schemes", *ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems*, Sep 2014. (submitted)
14. K. E. Suleiman, **A-E M. Taha**, H. S. Hassanein, "Standard-Compliant Simulation for Self-Organization Schemes in LTE Femtocells", *IEEE Conference on Local Computer Networks*, Sep 2014. (accepted)

15. 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," in *Proceedings of Queen's Biennial Symposium on Communication*, June 2014.
16. M. Alharthi, **A-E M. Taha**, V. Vasilev, and K. Atkinson, "An Acumen/NS-3 Integration for Modeling Networked Cyber-Physical Systems", in *Proceedings of Queen's Biennial Symposium on Communication*, June 2014.
17. F. Sagezchi, A. Radwan, J. Rodriguez, and **A-E M. Taha**, "Coalitional Relay Selection Game to Extend Battery Lifetime of Multi-standard Mobile Terminals," in *Proceedings of the IEEE International Conference on Communications*, Jun 2014.
18. A. Rashwan, **A-E M. Taha**, and H. S. Hassanein, "Characterizing the Impact of Dynamic Resource Management in Message Authentication in Mobiles," in *Proceedings of the IEEE International Conference on Communications*, Jun 2014.
19. W. Ibrahim, N. Abu-Ali, **A-E M. Taha**, and H.S. Hassanein, "Improving The Accuracy of Simulation Models for Localization Schemes," in *Proceedings of the International Conference on Intelligent Sensors Networks and Information Processing*, Apr 2014.
20. W. Ibrahim, **A-E M. Taha**, and H.S. Hassanein, "Does Multi-hop Communication Enhance Localization Accuracy?," *IEEE Global Communications Conference*, Dec 2013.
21. W. Ibrahim, **A-E M. Taha**, and H.S. Hassanein, "Robust Wireless Multihop Localization Using Mobile Anchors," in *Proceedings of IEEE International Conference on Communications*, Jun 2013.
22. 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.
23. A. Rashwan, **A-E M. Taha**, and H. S. Hassanein, "Benchmarking Message Authentication Code Functions for Mobile Computing," in *Proceedings of the IEEE Global Communications Conference*, pp. 2585-2590, Dec 2012.
24. **A-E M. Taha**, "Green Wireless Networks: A Radio Resource Management Perspective," in *Proceedings of the IEEE International Conference on Communications*, pp. 5998-6002, June 2012.
25. N. Abu Ali and **A-E M. Taha**, "An MDP-based Model for Optimal Relay Selection in OFDMA Cooperative Networks," in *Proceedings of the IEEE International Conference on Communications*, pp. 361- 365, June 2012. (**Best Paper Award**).
26. W. Ibrahim, **A-E M. Taha**, and H. S. Hassanein, "Scalability Issues in Localizing Things," in *Proceedings of the IEEE Conference on Local Computer Networks*, pp. 673-680, Oct 2011.
27. N. Nasser, R. Miller, A. Esmailpour and **A-E M. Taha**, "Utility Optimized Bandwidth Allocation in WiMAX Networks," in *Proceedings of Wireless Communications and Mobile Computing Conference*, pp. 540-545, Jul 2011. (**Best Paper Award**).
28. M. Salah, N. A. Abu Ali, **A-E M. Taha** and H. S. Hassanein, "Evaluating Uplink Schedulers in LTE in Mixed Traffic Environments", in *Proceedings of the IEEE International Conference on Communications*, Jun 2011.
29. P. Kolomitro, **A-E M. Taha** and H. S. Hassanein, "A Performance Comparison of Frame Structures in WiMax Relay Networks," in *Proceedings of the IEEE Conference on Local Computer Networks*, pp. 785-792, Oct 2010.
30. K. Elgazzar, M. Salah, **A-E M. Taha** and H. S. Hassanein, "Comparing Uplink Schedulers for LTE," In *Proceedings of the International Wireless Communications and Mobile Computing Conference*, pp. 189-193, June 2010. (**Best Paper Award**).
31. N. A. Abu Ali and **A-E M. Taha**, "IMT-Advanced for Body Area Networks: Enabling Technologies," In *Proceedings of the International Wireless Communications and Mobile Computing Conference*, pp. 452-456, June 2010.

32. **A-E M. Taha**, "Resource Reservation in Dynamic Spectrum Networks," *IEEE Gulf Cooperative Council (GCC) Conference*, Mar 2009.
33. **A-E M. Taha**, "Towards Comprehensive RRM Frameworks for Heterogeneous Wireless Networks," *Int'l Conf Information Science, Technology & Applications*, pp. 1–7, Mar 2009.
34. A. Hasswa, H. S. Hassanein and **A-E M. Taha**, "Facilitating 4G Convergence using IMS," *Int'l Conf on Information Science, Technology and Applications*, pp. 59–66, Mar 2009.
35. A. M. Rashwan, **A-E M. Taha** and H. S. Hassanein, "Considerations for Bandwidth Adaptation Mechanisms in Wireless Networks," *24th Biennial Symposium on Communications*, pp. 43–47, Jun 2008.
36. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Reducing the Cost of Service Delivery in Heterogeneous Wireless Networks," *IEEE Global Telecommunications Conf*, pp. 2003–2007, Nov 2007.
37. K. Ali, **A-E M. Taha** and H. S. Hassanein, "RFID Anti-Collision Protocol for Dense Passive Tag Environments," *IEEE Conf Local Computer Networks*, pp. 819–824, Oct 2007.
38. A. Hasswa, **A-E M. Taha** and H. S. Hassanein, "On Extending IMS Services to WLANs," *IEEE Conf Local Computer Networks*, pp. 931–938, Oct 2007.
39. 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," *Proc Int'l Wireless Communications and Mobile Computing Conf*, pp. 317–324, Jul 2006.
40. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "A Multi-Class, Sub-Adaptation Module for Forced Vertical Handoffs," *IEEE Symp Computers & Communications*, pp. 175-180, Jun 2006.
41. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Exploiting Vertical Handoffs in Next Generation Radio Resource Management," *IEEE Int'l Conf Communications*, Volume 5, pp. 2083–2088, Jun 2006.
42. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Evaluating the Performance of Stochastically Triggered Bandwidth Adaptation Algorithms," *IEEE 30th Conf Local Computer Networks*, pp. 538–345, Nov 2005.
43. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah "On Reducing the Operational Costs of Bandwidth Adaptation Algorithms," *IEEE Int'l Conf on Broadband Networks*, Vol 2, pp. 781–783, Oct 2005.
44. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "The Effect of Joint Allocation Policies on Preference-Triggered Vertical Handoffs," *IEEE Int'l Conf Wireless and Mobile Computing, Networking and Communications*, Vol 2, pp. 57–63, Aug 2005.
45. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "On the Integration of Internet QoS Paradigms and Ad hoc Networks," *ACS/IEEE Int'l Conf Computer Systems and Applications*, pp. 935–940, Jan 2004.
46. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "On Robust Allocation Policies in Wireless Heterogeneous Networks," *Int'l Conf QoS in Heterogeneous Wired/Wireless Networks*, pp. 198–205, Oct 2004.
47. **A-E M. Taha**, H. S. Hassanein and H. T. Mouftah, "Integrated Solutions for Wireless MPLS and Mobile IP: Current Status and Future Directions," in *Proceedings of the Canadian Conf Electrical and Computer Engineering*, Vol 3, pp. 1463–1466, May 2004.
48. **A-E M. Taha** and A. E. Kamal, "Optimal and Near-Optimal Web Proxy Placement Algorithms for Networks with Planar Graph Topologies," in *Proceedings of the International Conference on Distributed Computing Systems Workshops*, pp. 911–91, May 2003.

Book Chapters

49. 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.
50. **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.
51. **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.

Other Publications

52. **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.
53. **A-E M. Taha**, "Wireless Ad-Hoc Networks: Characteristics and Challenges," (In Arabic), *Engineers' Magazine*, Publication of the Kuwaiti Engineering Society, Aug 2002.

INVITED TALKS & SEMINARS

1. *Networking Life*, Alfaisal University, Riyadh, Oct 2011.
2. *Localization in the Internet of Things: By any means necessary*, Queen's University, Kingston, Jun 2010
3. *Rethinking Radio Resource Management*, Queen's University, Kingston, Oct 2010.
4. *Handovers as a Network Resource*, Nile University, Cairo, Jul 2010.
5. *Resource Availability: Rethinking RRM*, Avaya, Belleville, Jun 2010.
6. *Handovers as a Network Resource*, German University in Cairo, Cairo, May 2010.
7. *Admissions Management*, Queen's University, Kingston, Jan 2008.
8. *QoS and Traffic Management in Heterogeneous Wireless Networks*, Bell Mobility, Toronto, Dec, 2007
9. *Traffic Management in Heterogeneous and Variable Topology Wireless Networks*, Bell Mobility, Toronto, Oct 2006.
10. *Wireless Heterogeneous Networks – What is Next?*, International Institute of Telecommunications, Montreal, Sep 2006.
11. *Enabling the Wireless City*, Nortel Networks, Ottawa, Jul 2006.
12. *Next Generation Wireless Mesh Networks*, Nortel Networks, Ottawa, May 2006.
13. *Resource Management in Future Wireless and Mobile Networks*, PARTEQ, Kingston, Aug 2005.
14. *QoS in Heterogeneous Wireless Networks*, Ottawa University, Ottawa, Jul 2004.
15. *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

- 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 (~\$1000K, 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. Noureldin
- 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

2013 – 2014 University Level

Member, University Council
Member, Recruitment Committee
Member, MSc on Nanotechnology Development Committee

College Level

Member, Recruitment Committee
Member, Electrical Engineering Search Committee

Department Level

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

2012 – 2013 University Level

Member, Scheduling Committee

College Level

Member, Recruitment Committee
Contributor, College Strategic Plan

Department Level

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

2011 – 2012 **University Level**

Member, Scheduling Committee
Member, Recruitment Committee
Member, Student Orientation Committee

College Level

Chair, Recruitment Committee

Department Level

Chair, Library Committee
Chair, Social and Public Seminar Committee
Member, Scientific Committee
Member, Scheduling Committee
Member, Assessment and Continuous Improvement 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) (pending experience review)
Egyptian Syndicate of Engineers

Activities by Year

2014 Journal Referee

International Journal of Sensor Networks (IJSNET)
Journal of Computer Networks, Elsevier

Conference Track Co-Chair

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

Web Publicity Chair

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

Technical Program Committee Member

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 Workshop on Distributed Mobile Systems and Services
Queen's Biennial Symposium on Communications

Conference Referee

IEEE International Conference on High Performance Switching and Routing
International Wireless Communications and Mobile Computing Conference

2013 Competition Referee

The 2013 IEEE Communication Society Student Competition
(serving on behalf of the IEEE Wireless Communications Technical Committee)

Book Referee

Wiley & Sons

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”

Journal Referee

Computers and Electrical Engineering, Elsevier
IEEE Communications Magazine
IEEE Communications Surveys and Tutorials
IEEE Wireless Communications Magazine
International Journal of Vehicular Technology, Hindawi
International Journal of Wireless and Mobile Communications, Inderscience
Journal of Computer Communications, Elsevier
Journal of Wireless Communications and Mobile Computing, Wiley

Steering Committee Member

Saudi International Electronics, Communications and Photonics Conference

Special Session Chair

IEEE Workshop on Wireless Local Networks

Technical Program Committee Member

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

Conference Referee

IEEE International Conference on Computer Communications

2012 Executive Member & Webmaster

IEEE Kingston Section Chapter

Award/Grant Referee

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

Associate Editor

Canadian Journal on Electrical and Computer Engineering

Journal Referee

Ad Hoc Networks, Elsevier
EURASIP Journal on Wireless Communications and Networks, Hindawi
IEEE Communications Magazine
International Journal of Wireless and Mobile Communications, Inderscience

Journal of Wireless Communications and Mobile Computing, Wiley

Workshop Co-Chair

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

Technical Program Committee Member

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

Conference Referee

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 **Executive Member & Webmaster**

IEEE Kingston Section Chapter

Journal Referee

EURASIP Journal on Wireless Communications and Networks, Hindawi

IEEE Transactions on Communications

International Journal of Wireless and Mobile Communications, Inderscience

Journal of Computer Networks, Elsevier

Journal of Wireless Communications and Mobile Computing, Wiley

Conference Track Co-Chair

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

Workshop Co-Chair

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

Technical Program Committee Member

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

Conference Referee

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 **Award/Grant Referee**

Kentucky Science and Engineering Foundation, R&D Excellence Award

Journal Referee

Computers and Electrical Engineering, Elsevier
IEEE Communications Magazine
IEEE Transactions on Mobile Computing
IEEE Wireless Communications Magazine
Journal of Computer Communications, Elsevier
Journal of Computer Networks, Elsevier
Journal of Wireless Communications and Mobile Computing, Wiley
Mathematical Problems in Engineering, Hindawi

Workshop Co-Chair

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

Co-Chair

IEEE Workshop on Wireless Local Networks

Technical Program Committee Member

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

Conference Referee

IEEE International Conference on Computer Communications
IEEE Vehicular Technology Conference
IFIP International Conference on New Technologies, Mobility and Security

2009 Journal Referee

Computers and Electrical Engineering, Elsevier
IEEE Communications Magazine
IEEE Transactions on Communications
IEEE Wireless Communications Magazine
Journal of Computer Communications, Elsevier
Journal of Wireless Communications and Mobile Computing, Wiley
Performance Evaluation, Elsevier

Workshop Co-Chair

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

Technical Program Committee Member

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

Conference Referee

IEEE GCC Conference and Exhibition
IEEE International Conference on Multimedia Computing and Information Technology
The International Conference on Information Science, Technology and Applications

2008 **Book Referee**

Wiley & Sons

Journal Referee

Journal of Wireless Communications and Mobile Computing, Wiley
Journal of Computer Communications, Elsevier
IEEE Wireless Communications Magazine
IEEE Communications Magazine

Workshop Co-Chair

Workshop on Radio Resource Management in Wireless Mesh Networks

Web Publicity Chair

IEEE Symposium on Computer Communications

Technical Program Committee Member

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

Conference Referee

IEEE Vehicular Technology Conference

2007 **Journal Referee**

Journal of Wireless Communications and Mobile Computing, Wiley
Journal of Computer Communications, Elsevier
IEEE Communications Magazine

Technical Program Committee Member

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

Conference Referee

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 **Journal Referee**

Journal of Wireless Communications and Mobile Computing, Wiley
IEEE Communications Magazine

Technical Program Committee Member

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

Conference Referee

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 **Journal Referee**

Journal of Wireless Communications and Mobile Computing, Wiley
IEEE Network Magazine
IEEE Communications Magazine

Web Publicity Chair

Workshop on Internet Compatible QoS in Ad hoc Wireless Networks

Technical Program Committee Member

IEEE Conference on Local Computer Networks
IEEE International Workshop on Radio Resource Management for Wireless Cellular Networks
IEEE Symposium on Heterogeneous Wireless Networks

Conference Referee

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 **Journal Referee**

Journal of Wireless Communications and Mobile Computing, Wiley

Conference Referee

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 **Journal Referee**

Journal of Parallel and Distributed Computing, Elsevier

Conference Referee

ACM Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems

IEEE International Conference on Communications

IEEE International Performance Computing and Communications Conference