

Wahab Almuhtadi, PhD, P.Eng., SMIEEE, EIC Fellow



Bio

Dr. Almuhtadi has over 22 years of university and college teaching experience and over 28 year experience in engineering industries including R&D. He is a professor and coordinator of Algonquin College–Carleton University Joint Degree Program “Bachelor of Information Technology/BIT-PLT”. He’s also R&D Coordinator at Faculty of Technology and Trades, Algonquin College. He served as a Member of 2017-2022 Algonquin Strategic Plan Advisory Team. Prior to Algonquin College, he worked with Nortel as Team Leader and Senior System Engineer in Optical Solutions R&D.

Dr. Almuhtadi proves remarkable leadership with his strong background in high technology and engineering industry helped the College to become a polytechnic institution. He is Algonquin Applied Research founder leading to \$10.5M funded from various Canadian agencies. He is the founder and designer of \$5M leading-edge Optophotonics Lab/Optical Transport Network-OTN with speed of 0.15-100 Gbps, this lab became fundamental to establishing a new photonics program, teaching lab for education and enhancing student learning, facility to supporting and conducting research, and a coveted national center for high-tech small and medium enterprises-SMEs to test and validate optoelectronics/digital solutions. Dr. Almuhtadi is one of the founders of the new “Centre of Excellence in Next Generation Networks-CENGN,” with \$65M funding from Networks of Centres of Excellence Canada, Nokia/Alcatel-Lucent, TELUS, Cisco, Juniper, EXFO, JDSU, Rogers, and Allstream.

He received several recognition awards from IEEE, academia and industry, to name few: 2010 IEEE Leadership Award, 2014 IEEE Canada W.R. Service Award, 2009 Algonquin College Laurent Isabelle Award for Teaching Excellence, and 2006 NISOD Award, and 2015 EIC Canadian Pacific Railway Medal (this medal is one of the highest engineering awards in Canada).

IEEE Volunteer Activities

Societies:

- 2018-2019 Director, IEEE ComSoc North America Board and Member, IEEE ComSoc BoG
- 2018 President-Elect/2019-2020 President, IEEE Consumer Electronics Society (CESoc)
- 2017-2018 Vice President, Education, IEEE Consumer Electronics Society (CESoc)
- 2014-present Member of Board of Governors, CESoc
- 2014-present Distinguished Lecture Chair, and Education and Webinar Chair, CESoc
- 2008-2017 IEEE ComSoc Canada Representative and Member of ComSoc North American Board
- 2008-present Information Technology Coordinator, ComSoc North American Board

IEEE:

- 2013-2016 Coordinator/R7 Representative, IEEE Meetings, Conferences, and Events-MCE
- 2015-2016 IEEE Gaining Global Perspectives Ad-hoc Committee
- 2015 Conference Finances and Financial Tools Ad-hoc Committee
- 2015-2016 Selected TAB officers and volunteers
- 2013/14/15 Nominated to serve as a Member of 2014 IEEE Governance Committee

2013-2014 IEEE Centre for Leadership Excellence Committee Member, MGA
2009-2011 IEEE Member Geographical Activities -Information Management, MGA

Region 7 (IEEE Canada):

2017-present Chair, Publications and Communications Group
2013-2016 Chair, IEEE Canada Conference Advisory Committee
2013-present Director, IEEE Canadian Foundation Committee
2013-present Chair, Section Liaison Committee, IEEE Canadian Foundation Committee
2010-2012 Chair, IEEE Eastern Canada (NB, NL, NS, ON, PE, QC)
2007-2008 Member of Board of Directors of IEEE Canada

IEEE Ottawa Section:

2009-present Member of the Senate
2005-present Chair, Award Committee,
2008-present Chair, Communications Society, Consumer Electronics Society and Broadcasting Technology Society Ottawa Joint Chapter
2010-present Mentor, IEEE Algonquin College Student Branch
2003-2010 Counsellor, IEEE Algonquin College Student Branch
2009-2010 Chair, Nomination and Appointment Committee
2007-2008 Chair, IEEE Ottawa Section
2006 Vice Chair IEEE Ottawa Section
2005-2008 Chair, Senior Membership Committee
1996-2000 Chair, Reliability Society Chapter

CONFERENCES/SYMPOSIA/WORKSHOPS (not-listed-all):

2021 Executive Conference Chair, International Conference on Communications-(ICC2021)
2018 Member, National Advisory Committee of NetSoft'2018
2014-2018 Executive Committee Member, IEEE International Conference on Consumer Electronics-(ICCE)
2016 Vice Chair, IEEE 2016 International Symposium on Electromagnetic Compatibility-(EMC2016)
2008-2016 Chair, Steering Committee, IEEE Canada Electrical Power Conference-(EPEC)
2015 Gen. Chair, IFIP/IEEE International Symposium on Integrated Network Management-(IM2015)
2013 Chair, Publication Committee and Advisor, IEEE Radar Conference-2013, Ottawa-Canada
2012 Executive Conference Chair, International Conference on Communications-(ICC2012)
2010 Co-Chair, Organizing Committee, Information Photonics 2010 conference
2010/2008 Co-Chair, Local Arrangements, IEEE International Workshop on Medical Measurements and Applications-(MeMeA2010)
2010 Co-Chair, Steering Committee, Workshop on Adverse Response Monitoring-(WARM2010)
2007 Co-Chair, IEEE Canada Electrical Power Conference-EPEC2007
2007 Co-Chair, Organizing Committee, Non-invasive Blood Pressure Measurements & Standardization Workshop
2006 Chair, Registration, Canadian Conference on Electric and Computer Engineering-CCECE2006
2006 Secretary, Canadian Conference on Electric and Computer Engineering-CCECE2006
2002-2006 Co-Chair and Founder, IEEE Ottawa Electrical Power Symposium-EPS