



# IEEE

## Ottawa Section



*The IEEE Ottawa, IEEE Ottawa Joint Chapter of Communications Society, Consumer Electronics Society, and Broadcast Technology Society (ComSoc/CESoc/BTS), IEEE Ottawa Engineering in Medicine and Biology Society (EMBS), IEEE Ottawa Power and Energy Society (PES), IEEE Ottawa Joint Chapter of Reliability Society and Power Electronics Society (RS/PELS), IEEE Ottawa Educational Activities (EA), and Algonquin College Student Branch (ACSB) in conjunction with School of Advanced Technology, Algonquin College are inviting all interested IEEE members and other engineers, technologists, and students to an educational seminar on*

## IoT impact on the future of Healthcare and Wellness

by

**Fawzi Behmann, President TelNet Management Consulting, Inc.**

**DATE:** Thursday July 21, 2016

**TIME:** Refreshments, Registration and Networking: 06:00 p.m.; Seminar: 06:30 p.m. – 07:30 p.m.

**PLACE:** Algonquin College, [1385 Woodroffe Ave.](#), [School of Advanced Technology, T-Building,](#)  
**Ciena-Optophotonics Lab (Room T129)**

**PARKING:** No fee after 5:00 p.m. at the Visitors' Parking Lots 8 & 9. Please respect restricted areas.

**Admission:** Free. Registration required. To ensure a seat, please register by e-mail contacting:  
Wahab Almuhtadi [Almuhtadi@ieee.org](mailto:Almuhtadi@ieee.org).

### Abstract

Several technologies are converging empowering IoT and delivering a greater impact and advance services to multiple markets by 2020's.

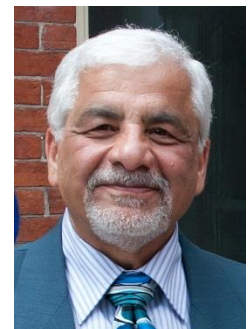
This presentation will introduce the concept of IoT and architectural evolution from a pre-IoT to Collaborative IoT impacting many markets such as home, health, automotive, enterprise, transportation and infrastructure. This will be enriched by several examples.

The talk will then focus on healthcare and wellness exploring current and emerging solutions at hospitals, clinics, care centers and homes. Solution building blocks include sensing, aggregation, and data analytics. Examples of some of the adjacent technologies such as 3D, Robot, Drone and Wearables will be highlighted. Finally the talk will conclude with some of the factors and challenges to deliver scalable solutions, delivering better quality of services and experience. These include development platforms, 5G, virtualization, collaborative applications and security.

### Speaker's Bio

Fawzi is a visionary, thought leader, author and contributor in advancing adoption of technology in serving humanity. Fawzi spent over 30 years in industry and held various executive and leadership positions with Tier 1 companies in the areas of communications and networks spanning Semiconductor, communication systems and service provider. Fawzi was a principle architect and championed the definition and the developing of integrated pre-IoT telecom alert system and networking management solution at Teleglobe Canada. He was a senior product manager with Nortel Networks for product release for enterprise, broadband edge and core nodes. Fawzi also served as the Director of Strategic Marketing with Motorola/Freescale for SoC networking & Communications product line in Austin, Texas.

Fawzi is passionate about technology automation and has founded TelNet Management Consulting Inc. in 2009 offering consulting services in the areas of technology trends and positioning for smart networking and IoT/GIS solutions. Examples included Solar Energy, Public Safety – emergency response systems. He organized and chaired



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workshops, tutorials and was a distinguished speaker on key topics such as IoT, 5G, virtualization and Big Data/Analytics.

Fawzi is a board member with several companies and had several publication including a recent book on the subject of future IoT “Collaborative Internet of Things for Future Smart Connected Life and Business “ published by Wiley, June 2015 <http://eu.wiley.com/WileyCDA/WileyTitle/productCd-1118913744,subjectCd-EEJ0.html>

Fawzi is a senior member of IEEE, and is currently the ComSoc NA vice chair, CTS Conference & PACE Chair, and ComSoc/SP/CS Austin chapter chair. He was the recipient of several awards from Industry and IEEE including CEO Freescale Diamond Chip Award in 2008, and IEEE ComSoc Chapter of the year award in 2015 and Outstanding R5 member award for 2013, 2014 and 2015.

Fawzi holds a Bachelor of Science with honors and distinction from Concordia University, Montreal; Masters in Computer Science from the University of Waterloo, Ontario and Executive MBA from Queen's University, Ontario Canada.