



Fawzi Behmann – IEEE Distinguished Visitor

President, TelNet Management Consulting Inc.

Fawzi is a visionary, thought leader, author, entrepreneur 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 Service provider with Teleglobe Canada, Communications networking equipment with Nortel Networks and semiconductor with Motorola/Freescale in Canada and US.

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 for broadband edge and core nodes with Nortel Networks. Fawzi also served as the Director of Strategic Marketing with Motorola/Freescale for SoC networking & Communications product line.

Fawzi is passionate about technology automation and has founded TelNet Management Consulting Inc. in 2009 offering consulting services in the areas of IOT/mobile/wearable/GGIS technology trends and positioning for smart networking solutions in key market segments such as smart homes & buildings, health & wellness, smart energy & infrastructure and smart communities & Cities.

Fawzi organized and chaired workshops, tutorials and was a keynote speaker and distinguished speaker at key events such as CABA, BHI, Himms/IHP, Circuit senior design day, N3XT in NA and abroad. Key topics included Smart Tech and others on key topics such as IoT, 5G, wearables, cybersecurity, virtualization and big data/analytics.

Fawzi is a board member with several companies and had several publications 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.

Distinguished Lecture Topic: “The Internet of Things (IoT) – Innovative Applications for Smart, Connected Homes and Buildings”

What do smart grids, virtual power plants and smart homes have in common? They are part of the Internet of Things (IoT). The IoT is the inter-networking of physical devices embedded with control systems, sensors, and actuators, that can collect and exchange data.

The IoT makes it possible to collect real-time power-related information from end-users and automate the management of distribution devices like transformers and reclosers. Efficiencies can therefore be gained within power production and distribution systems.

For the end-user, it is expected that IoT will be integrated into all forms of energy consuming devices (such as switches, power outlets, bulbs, televisions, etc.). Such IoT devices would offer the opportunity for off-site management and advanced scheduling.

Smart IoT solutions and services such as for smart connected homes and buildings have been unleashed due to the recent advancement in wireless, miniaturization technology, and improvement in processing power, standards and market readiness.

This presentation will examine the adoption of IoT and draw a parallel as to how IoT has advanced empowered by technology and standards for sensing, gateway and services connecting 50 Billion smart things by 2020, to improve business efficiency and quality of life.

Attendees will also learn about critical considerations in building IoT product and system solutions leveraging smart software IoT platform approach to handle security, event-filtering, messaging protocols, cloud server, and sensor fusion framework.

IoT roadmap calls for collaborative intelligent approach that will impact our connected life and businesses. IoT application requirements for some of the future opportunities for smart homes & buildings will be explored supported by some use-cases in the energy industry.