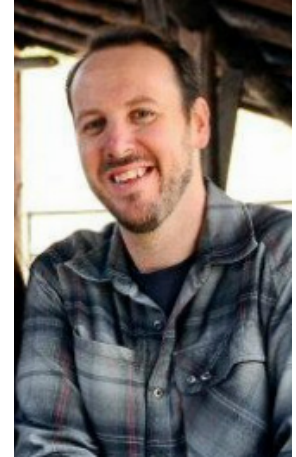




IEEE Okanagan Subsection Presents

Ian Horseman
TELUS Communications Inc.



The Evolution of Telecommunications Networks, and Exploration of Future Topologies

Time & Date: 5:30 pm - 6:30 pm, Wednesday, November 5th, 2014

Location: E 103, [Okanagan College](#), 1000 KLO Rd., Kelowna, BC V1Y 4X8 ([parking info.](#))

Talk Abstract: Telecommunications networks have many inventors to credit with their creation, from Alexander Graham Bell, and Marconi, to innovators like John Watson. Their contributions mixed with a myriad of topology decisions combined to build a system that most of us rely on today. Have you ever wondered how they are built? Why technologies are chosen? Or, what variables will shape the network of the future?

This talk will outline the genesis of telecommunications networks to date. It will examine the underlying causes for technology choices, and explore what holds change back. The talk will shed light on where we are going tomorrow. Have you ever asked: Why do we need fibre to the home? Or, How could we get 1 Gbps connectivity to our phones. – Come find out.

Speaker Biography: Ian Horseman is currently an access planner for TELUS Communications Inc., where he is part of a team of specialists which determine what shape TELUS' network will take in the future. He has worked in telecommunications in a variety of roles for the past 12 years.

While doing his undergrad (B.Eng '04) at Carleton University he was also a Technician for Bell Canada. After completing his degree he worked in a multi-discipline engineering role at Kenora Municipal Telephone Service. He helped analyze and deploy wireline, mobility and fixed wireless networks across its serving area. In 2008, Ian moved to Kelowna, BC to work for TELUS. In his current role he manages the technical outcomes of larger capital projects. He has deployed, telephone carrier systems, DSL network nodes (ADSL, and VDSL2), and various GPON/FTTx networks in BC.

Ian is also a proud member of the November 2013 graduate cohort at UBC Okanagan, and holds a Master's degree (M.Eng '13) focusing on small cell networks and project management.

Refreshments will be provided. For further information please contact:
Youry Khmelevsky (email: youry@ieee.org). Registration Page: <http://is.gd/XtzAVt>