

The Institution of Engineering and Technology (IET) Ottawa Network and IEEE Ottawa Joint Chapter of Communications Society & Broadcast Technology Society (ComSoc & BTS) are inviting all interested IET, IEEE members and other engineers, technologists, and students to a technical seminar on

Watch this White Space: Leveraging the latest license-free spectrum

Speaker: Stephen Rayment, Chief Technology Officer, BelAir Networks, Ottawa, Canada

Date & Time: Monday, Monday 26 January 2009, 8:00 PM

Optional pub supper 6.30 pm -Social hour with refreshments from 7.30 pm - All welcome

Location: RA Centre, Riverside Drive, Courtside A Room, Ottawa, Ontario, Canada

Parking: free. Please park in East lot and enter by corner door

Map: <http://www.racentre.com/e/about/map.htm>

Admission: Free Registration. Pre registration requested for either pub supper or social hour, please contact Hugh Reekie 613-728-5343, max-com@allstream.net.

Refreshments: Will be served 15 minutes before the start of the meeting.

Abstract: There is a sign in the US FCC's window which reads: "Broadband spectrum with excellent propagation characteristics suitable for both fixed and mobile applications - Free to a good home!" Free, yes, and potentially priceless, but this puppy will need some training. Stephen Rayment will delve into the promise and problems presented by this new "beachfront property" spectrum soon to be vacated - in the move from analog to digital TV. With requirements for GPS capabilities and third-party databases, spectrum sensing and microphone protection, adaptive power control and other technical specifications -- many covered under IEEE 802.22 -- it's not quite as simple as "give it away and they will build it" but it still presents an attractive opportunity for broadband innovation. Attend this meeting to find out what Microsoft KNOWS and why Dolly Parton was up in arms - you'll get the latest update on the spectrum that everyone's talking about and how and where you can expect to leverage it.

About the Speaker: Stephen Rayment is co-founder and Chief Technology Officer of BelAir Networks where he has been responsible for delivering its first products and now oversees product and technology strategy and evolution. He brings 30 years of product and technology experience in the telecommunications industry, including 20 years in the wireless arena. At Bell-Northern Research, he led the development of broadband wireless products, the launch of broadband multimedia satcom equipment and the design of the industry's first wireless PBX. Stephen is active in industry standardization, serving as an officer in IEEE 802.11 and is author of over a dozen patents. Stephen holds a B.Sc. and a M.Sc. in Electrical Engineering from Queen's University, a Diploma in Administration from the University of Ottawa, is a graduate of the MIT Sloan School's Management of Technology program and is a Senior Member of the IEEE.