



IEEE

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The IEEE Ottawa Communications Society, Broadcast Technology Society, and Consumer Electronics Society (ComSoc / BTS / CES) Joint Chapter, The IEEE Ottawa Electrical Power and Energy Society Chapter (PES), The IEEE Ottawa Reliability Society Chapter (RS), The IEEE Ottawa Educational Activities (EA), and Algonquin College Student Branch (ACSB) are inviting all interested IEEE members and other engineers, technologists, and students to a technical seminar on

Intelligent Buildings in an Intelligent Grid – the Next Great Network Build-Out

by

Mr. Wes Biggs,

President and Chief Executive Officer, Triacta Power Technologies, Inc.

DATE: Thursday, September 30, 2010.

TIME: Refreshments, Registration and Networking: 06:30 p.m.; Seminar: 07:00 p.m. – 08:00 p.m.

PLACE: Algonquin College, [1385 Woodroffe Ave., School of Advanced Technology, Building-T](#), Room T334

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.

Abstract

There is a rapid transition happening. The past decade has proven out the conventional wisdom espoused by Green Building Councils around the world, that investing in properties to make them “green” buildings has a rapid return in lowering operating costs, increasing property value, and boosting tenancy rates. The term “green building” is rapidly giving way to a new concept: Intelligent Building. This term recognizes that one of the fundamental properties of a green building is that, above any materials based changes, the overriding characteristic of a green building is the liberal application of control, monitoring and measurement systems. These systems are designed to maintain the building within a tight operating window, and to expose building and operational characteristics to all stakeholders, identifying deviations and enabling areas for improvement.

The revolution of Intelligent Buildings over the past manner of deploying control systems in buildings is the integration of building automation systems with metering platforms, to create a unified system. At its simplest, this is merely enabling the building management system to access meter data. The Intelligent Building, however, is taking this further by adding integration of the building management system, and a smart metering platform with IT systems within and outside the building. Building automation systems have been naturally moving towards this reality by embracing IP as the communications protocol within the building. BAS communications fabrics have migrated from simple networks to IP. Intelligent Buildings are the payoff for this trend, facilitated by the smooth synthesis of BAS, metering and IT. IBM refers to this as a “building operating system”.

Triacta Power as a leading vendor of Smart Meter Systems has experienced first-hand the evolution of Smart Meters and Smart Buildings and has unique insight into the ultimate integration of Intelligent Buildings with an Intelligent(Smart) Grid. We believe it is the next great network & business opportunity build-out.

Speaker's Bio

Wes Biggs joined Triacta as the VP of Engineering & Operations in 2003. He became President in June of 2009. He is a technology company veteran with over 25 years of engineering and executive experience in leading companies such as Newbridge, Mitel and Nortel. Most recently, Wes was co-founder, President and CEO of Meriton Networks.