

# Signal Processing and Communications Society Joint Meeting

## New Communication System Imperatives: Current and Future Value Creation



**Speaker:** *Dr. Frank Appunn* – St. Petersburg College, St Pete Florida

**Date:** Thursday 12, November 2009

**Time:** 5:45 pm

**Location:** Tampa Electric Co., TECO Hall  
702 N. Franklin Street, Tampa, FL 33602

For driving directions, contact [abelhect@hotmail.com](mailto:abelhect@hotmail.com) or follow the link below:

<http://www.mapquest.com/maps/TECO:702+N.+Franklin+St+tampa+fl/#a/maps/l:Teco+Energy+Inc:702+N+Franklin+St:Tampa:FL:33602:US:27.949943;-82.458921:address/m::12:27.949943;-82.45892:0::io:0:::f:EN:M:/e>

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**ABSTRACT:** The future expectations of technology serving both individuals and organizations will strive to be secure while delivering “mobile” everything, based on “virtual” everything. Core to this future is the assumption that communications systems will deliver the required transport for these promises. This presentation takes current and imminent communications systems and then tracks a likely route through services to value creation and implied risks for practical solutions.

The impact of technical leadership being shared across global boundaries, forces the interaction between technology, services, and solutions to receive closer scrutiny. This presentation considers the horizon for communication technologies to be the role of new developments in fiber and wireless mediums including the WiMax, and 4G family. Services considered include virtualization; cloud computing, XaaS, grid computing, and security. Finally, value would depend on improved results from consumer, business, and governmental solutions in voice, video, and computing. The horizon for this presentation extends to 2013.

**BIOGRAPHY:** Dr. Frank Appunn holds a CISSP, obtained his B.Comm from Nelson Mandela University, an MBA from the University of Maine, and a Ph.D. in IT and security concentration from Capella University. His practical experience focused on innovation, and the efficient and effective use of technology for organizational benefit. Frank formed and headed organizations that provided systems management, security, and Web solutions in the US, Europe and Africa over a period of 22 years. Customers included large financial, medical, mining, governmental, and technology organizations.

After settling in the US in 2003, his scope increased to include teaching a broad array of business and technology topics. Primary research interests include the integration of organizations, people, and technology in the security, sustainability, and innovation fields. He teaches information technology, security, and management courses at St. Petersburg College where he heads the Bachelor’s degree in Technology Management. Other activities include teaching in the Master of Science program at City University and information systems doctoral students at the University of Phoenix. He retains commercial currency through consulting in the computer security arena.

