



Title: Video Over IP

Date/Time: Wednesday, July 30, 3:00 PM – 3:45 PM

Location: Renaissance Austin Hotel

Description: This session will start with an overview of existing video transport systems (satellite, cable) and then move to Internet Protocol (IP) delivered video systems (Fiber, DSL, cable). Next, basic video and audio signals will be discussed followed by compression methods used to deliver video and audio signals over IP networks.

Presenters:



Gordon F. Snyder, Jr. is Executive Director and Principal Investigator for NCTT at Springfield Technical Community College (STCC), where he also manages curriculum development for networking. At STCC he helped to develop the Verizon Next Step program and now serves as the New England telecommunications curriculum coordinator for the program. He is the author of four engineering and engineering technology textbooks and has over 14 years of consulting experience in the field of communications and LAN/WAN design. He has served on several local and national boards including the Microsoft Community & Technical

College Advisory Council, the Massachusetts Telecommunications Council and the National Skill Standards Board (NSSB) Information and Communications Technology (ICT) Voluntary Partnership representing the telecommunications, computer, and information industry sector. Gordon currently chairs the Institute for Telecommunications Technologies Board at Cuyamaca College, El Cajon, California, the NSF National Center for Optics and Photonics Education Board in Waco, Texas and the Convergence Technology Center Board in the Dallas Fort Worth, Texas metroplex. Closer to home he chairs the Technology Enterprise Council (TEC), a regional, industry-led organization working hand-in-hand with academic institutions and other non-profit organizations to advance the growth and success of companies driven by information and communications technologies in Southern Vermont, Western Massachusetts and Connecticut. In this region he also sits on the Regional Technology Council (RTC) Board of Directors and the RTC Executive Committee. Gordon also writes a bi-monthly technology column for the Spanish newspaper La Prensa. In 2001 he was selected as one of the top fifteen technology faculty in the United States by Microsoft Corporation and the American Association of Community Colleges and, in 2004, was selected as the Massachusetts Telecommunications Council Workforce Development Leader of the year. His popular weekly blogs and podcasts, done in collaboration with Mike Qaissaunee, are read and listened to by thousands.



Michael T. Qaissaunee is an Associate Professor of Engineering and Technology at Brookdale Community College in Lincroft, New Jersey. Mr. Qaissaunee is founding Director of the Mid-Atlantic Institute for Telecommunications Technologies (MAITT), established through funding from the National Science Foundation to develop cutting-edge technician education

programs in wireless communications. As Principal Investigator (PI) of this project, Mr. Qaissaunee has led the development and implementation of nine (9) new courses related to wireless communications technologies and has presented at over thirty (30) conferences and seminars. Mr. Qaissaunee is also Co-Principal Investigator (Co-PI) for the National Center for Telecommunications Technologies (NCTT) located in Springfield, Massachusetts, serving as a subject matter expert in wireless communications and leading NCTT's national dissemination efforts.

For his demonstrated leadership in wireless education, documented collaboration with the wireless industry, support and mentoring of students in wireless projects, their own innovative research and educational initiatives, and their efforts in preparing students for employment in wireless and wireless-related industries, Mr. Qaissaunee has been selected as recipient of the 2007 Global Wireless Education Consortium (GWEC) Wireless Educator of the Year Award.

Mr. Qaissaunee is also working with Hofstra University's Center for Technological Literacy to develop contemporary, high-interest materials for high school technology students and teachers that address standards-driven technological concepts and skills and promote promising STEM (science, technology, engineering, and mathematics) career choices. Mr. Qaissaunee has been active at his own campus and around the country in promoting the adoption of new technologies in and approaches to teaching and learning, including: blogs, audio and video podcasts, wikis, mobile computing, and educational gaming and simulation.

Michael Qaissaunee received his Master's Degree in Mechanical Engineering from the University of Delaware (Newark).