SYMPOSIUM
JUNE 3, WESTFORD REGENCY

9:30 AM

Judith Dumont, Director, Mass. Broadband Institute

Judith Dumont has led the Massachusetts Broadband Institute (MBI) since being appointed Director by Governor Deval Patrick in December 2009. Since then, she has led the efforts of the MBI to "close the digital divide" by building out much needed infrastructure, requesting funding for last mile build-out and focusing on key broadband adoption issues. Through her leadership, the MBI has directly received over $51M in federal stimulus funding, indirectly leveraged another $32m in federal funding and has commitments for over $30M in private sector investment. The resulting Mass Broadband 123 Network traverses over 120 towns in Western and Central Massachusetts. Director Dumont will present a project overview and update on the current status and plans.

10:15 AM

Steve Ross, Corporate Editor, Broadband Communities Magazine
FIBER TRENDS

The hottest deployment action as the stimulus winds down is in MDU buildings. However, the action is not limited to the traditional triple play and to traditional providers. DirecTV, for instance, passes well over half the nation's MDUs with fiber. Dish is hunting for the same capability. And vendors have all come up with ways to add cellular and WiFi wireless capability to inside-plant fiber. Tenants and owners are still fuzzy about what fiber can do.

11:15 AM

Patrick Fay, Senior Analyst, CRU Group
WHERE IS ALL THAT FIBER GOING?
A snapshot of the fiber optic cable market:
 • How much the world market has grown, and the role of China
 • The US market – mature, but not saturated
 • Technical advances and promising market developments: BIF, small-diameter cables, easy-to-install cables
 • New application markets for optical cable: mobile infrastructure, data centers, consumer connections

1:15 PM

Eric Swanson, Entrepreneur, Editor, OCT News
AN OVERVIEW OF OPTICAL COHERENCE TOMOGRAPHY

Eric Swanson is a director, advisor, and active participant in a variety of industrial, academic, entrepreneurial, government, and non-profit initiatives. Mr. Swanson serves as a director for Acacia Communications, Curata Incorporated, and NinePoint Medical, and as a research affiliate at the Massachusetts Institute of Technology, consultant at Draper Laboratory, catalyst at the MIT Deshpande Center for Technological Innovation, does a variety of volunteer activities, and is editor of www.octnews.org.   Mr. Swanson is a co-founder or founding board member of five companies and is a Fellow of the OSA and senior member of the IEEE. He has authored approximately 200 technical papers and conference presentations, and holds 35 US patents and numerous foreign patents. In 1992, he was a co-recipient of the Rank Prize for contributions in Opto-Electronics. In 2012 he was a co-recipient of the $1.3M Champalimaud Award for the discovery of Optical Coherence Tomography. Mr. Swanson holds a B.S. summa cum laude in Electrical Engineering from the University of Massachusetts at Amherst and an M.S. in Electrical Engineering from the Massachusetts Institute of Technology.

2:00 PM

Michael Cookish, Director of Marketing, Arris
PASSIVE OPTICAL LAN (POL) AND THEIR APPLICATION TO HOSPITALS

Michael Cookish is currently the Director of Marketing for Arris's Passive Optical LAN solution, focusing on creating market awareness and instilling confidence in this exciting and disruptive new enterprise LAN technology. Previously, Michael was responsible for Next Generation Cable Platform product management and marketing for Motorola Mobility's Home business. Michael has been active in the cable industry for 12 years starting with RiverDelta which was acquired by Motorola in 2001. He led the product management team for the Motorola current and next generation CMTS for almost 10 years. He was a member of the industry's Next Generation Cable Platform specification development team as well as led the development of the Motorola detailed product requirements for this next generation platform. Prior to joining RiverDelta, Michael spent almost 7 years at enterprise networking vendor 3Com, responsible for product management and marketing of enterprise LAN switches and network management.

2:45 PM

Jim Hayes, President, The Fiber Optic Association
OLANS - OPTICAL LANS, THE NEW ARCHITECTURE FOR PREMISES NETWORKS

For the last 30 years, premises networks have been built using a network architecture used by AT&T for in-building POTS phones (POTS=plain old telephone service) and these networks have mostly used updated versions of the old telephone wire. A whole new type of LAN cabling architecture has been developed that uses modern technology (mostly fiber optics, of course!) to reduce cost, power consumption and truly provide "future proofing." It even includes a high level of security – not only because of the fiber, but it's encrypted.

Where did this development originate? It's basically the same technology used in fiber to the home (FTTH) for multi-dwelling units – condos, apartments, office buildings – adapted to the needs on LANs. Who is using it? Many big network sites, including government and military installations, research labs, hospitals, libraries, schools, etc.

This talk will discuss this new technology and how it fits into the fiber optic contractor's portfolio, providing new opportunities for training and jobs. Jim will also discuss the plans for a new OLAN certification for FOA CFOT®s.