Cable Show Tech Program features Top CTOs, CIOs

By *Mark Manlove*, NCTA

Appearances by leading cable industry CTOs and CIOs will highlight a deep technical program at The Cable Show 2010 in Los Angeles, May 11-13.

With a thematic focus on the future of television, The Cable Show 2010 will offer 12 technology-themed panel discussions, including plenary sessions featuring CTOs and CIOs from top cable operating companies. They'll discuss investment priorities and key initiatives for 2010 and beyond.

The Show also features the Spring Technical Forum, combining the best elements of NCTA's Technical Papers and SCTE's Conference on Emerging Technologies. Produced through a collaboration of NCTA, SCTE and CableLabs, the Technical Forum encompasses invited plenary panels plus detailed presentations from authors of peer-reviewed Technical Papers devoted to emerging technologies and themes. Among the subjects covered:

Bit Players: Data, Software and the Cable Evolution

From all-AVC networks to extensible QoS, authors present detailed examinations of software innovations that are capable of producing profound efficiencies and improvements in cable service delivery.

The Future of Television

An Education in EBIF: Advancing Cable's iTV Foundation

Presentations of real-world deployment lessons and new approaches – including cloud-based solutions and XML template definitions – for coaxing enhanced performance from the interactive software platform.

Cloudy, with a Chance of Breakthrough: New Models for IP Service Delivery

Metadata cell encoding and real-time interactive game are among subjects evaluated as authors describe innovative ways to employ cloud-based computing approaches for cable service applications.

Quest for Quality: Optimization Approaches for the Digital Era

Authors share fresh insights around potential improvements in signal delivery and network management, including emerging alternatives in optical networking and new HFC architectural considerations.

Depth Perceptions: Technical Approaches for 3D Video Integration

A promising new video display technology undergoes scrutiny from all sides as authors share findings about set-top support and related challenges for building 3D into the cable experience.

Capacity for Change: Capacity Expansion in Theory and in Practice

Experts in high-capacity networking share ideas and approaches for achieving large-scale

improvement in bi-directional data transfer rates within wired and wireless cable networks.

Generation Next: Inventing the Access Networks of Tomorrow

From online HD video streaming to gigabit coaxial access network deployment, authors detail an emerging movement toward network architectures.

Also new to the Show this year are field engineering panels geared toward local and regional staff. They'll cover best practices for network management, among other subjects. Additionally, the Show's CIO:IT program offers perspectives from top industry CIOs and selected vendor companies

who will discuss the state-of-the-art in information technology and its industry contributions.

Technology also plays a prominent role among the Show's General Sessions, which touch on issues related to the Show's "future of television" theme. Bringing together top executives from the cable, content, consumer electronics and technology sectors, the sessions will include discussions of the interplay between technology and content creation, and implications of the cable-powered movement toward anytime, anywhere media access.

Registration for The Cable Show is open now at www.thecableshow.com