



The SCTE™ – The Society for Broadband Professionals

has pleasure in announcing
the next in its series of
Lecture Meetings hosted by the SCTE Benelux Group

BENELUX LECTURE MEETING

“MANAGING THE NETWORK INFRASTRUCTURES OF THE FUTURE”

on

Monday 18 September 2017

at

The International Broadcasting Convention
Emerald Room, RAI Exhibition & Congress Centre
AMSTERDAM

Registration at 12.30 pm

This event has been sponsored by



WORLD WIDE SUPPLY B.V.
Technology Products, Services & Solutions

SCTE Benelux Secretary:

Rien Baan, SCTE Benelux Secretary
Mobile: +31 622 505 106
Email: rien@proditel.nl

“MANAGING THE NETWORK INFRASTRUCTURES OF THE FUTURE”

The SCTE™ will host its annual Benelux Lecture Meeting as part of the IBC2017 conference programme on Monday 18 September 2017 in the Emerald Room and Lounge. Following a complimentary light lunch buffet for all the Benelux Lecture attendees at 12.30 pm, the lecture presentations will commence. At the conclusion of the afternoon session, there will be a drinks reception at 5.00 pm. You don't have to be an SCTE member to participate in this free “Value Added” session at IBC – simply register with the SCTE Benelux Secretary, Rien Baan – see details below. Presented papers will be available for members to download from the SCTE website after the event. Please join us!

PROGRAMME

Session description: *In today's evolving network infrastructures, the traffic management of the variety of different content on the network becomes a major challenge. This session covers different aspects, such as content management, the impact on hardware (CMTS's) in the networks and in the home on coax as well as fibre. With this wide range of topics, we will be covering actual and future infrastructure issues.*

12.30-13.30 Registration and light lunch buffet for attendees of session

13.30-13.35 Welcome by the SCTE Benelux Chairman

13.35-13.45 Introduction by the Moderator – Ed Achterberg

13.45-14.15 “The benefits of migration to a software based cable access architecture”

David Whitehead, Global Key Account Director, Harmonic Inc

Chassis-based CCAP, CMTS and edgeQAM solutions are traditionally based on custom hardware to meet the performance and cost demands of cable operators. These mission-critical systems include a physical layer and RF components purpose-built for the complex challenges of data, video and voice networking. Dependence on ASICs and FPGAs is lessening, however; in particular, the emergence of the CableLabs® MHA v2 specification for Remote PHY architectures enables separation of the hardware-suitable physical layer and RF components from the software-suitable higher layers. The resulting ability to run cable-specific software applications on commercial off-the-shelf (COTS) servers offers cable operators a number of advantages, including greater scalability and agility, and lower total cost of ownership. The advancements in Intel®-based architectures — vis-à-vis crypto, data plane and video acceleration — are also critical to enabling this transformation. This paper examines this very approach utilising Intel-based COTS servers, including the benefits and long-term potential for cable operators as it applies to both distributed and centralised CCAP architectures.

14.15-14.45 “How FTTH enables the Smart Home”

Gerlas van den Hoven, CEO, Genexis BV

With more and more devices connected to each other to reach optimal connectivity in the home, FTTH has become a necessity in every household. Recognising that ease of use and attractive design of FTTH products is key in facilitating the Smart Home, influences the development of FTTH connectivity solutions majorly. We will discuss the changing demands on design, management and installation of FTTH equipment and provide implications for FTTH to accelerate the Smart Home.

14.45-15.15 “Measure, monitor, manage; ensuring fibre optic infrastructure integrity”

Stephan Peute, Manager Engineering, Design & Consultancy, Simac Electronics

Cloud Production is an efficient way of maintaining the quality of television productions with the current pressure on budgets. Sharing resources across multiple productions and locations requires a 100% available fibre optic infrastructure. There are a lot of threats to the integrity of the physical layer of the network. Monitoring this critical physical layer not only helps to detect problems but also can prevent them before disaster strikes. FiberFIT Monitoring was developed to do so in a unique innovative way: cloud based, modular and optimised for integration with other tools and, therefore, cost efficient. FiberFIT Monitoring enables proactive network management and helps to reduce support and maintenance related expenses.

15.15-15.45 Break for Refreshments

15.45-16.15 “Converging management of disparate network technologies”

Rob McCann, President, Clearcable Networks

The network of the future is not homogeneous. It leverages appropriate technologies to meet the specific business, technical and geographic constraints of a given application. Managing such a network requires technology abstractions, virtualised functions, and application program interfaces in a scale that demands a rigorous stable operating environment. This paper examines the necessary conditions for stability and describes at a high level a research-based attempt to leverage existing monitoring capabilities and technical expertise to develop hardware and software tools and analytics algorithms to:

- autonomously monitor a network and, when feasible, send control commands;
- predict and trigger maintenance efforts to ensure service quality and minimise service interruptions;
- predict capacity expansion needs ahead of time.

16.15-16.45 “Defining the scope of a new generation CMS”

John Welten, Sr Product Manager, SeaChange International

Anytime, anywhere video consumption is dramatically increasing the burden for ensuring that viewers can have what they want, when they want on any device. Ultimately, establishing a methodology for multiplatform-ready content management becomes the essential precursor for achieving scale and success in multiscreen television. This requires a new way of looking at what can be accomplished with a new generation content management system from the video service provider and content owner perspective - whether they are distributing content to channel distributors or directly to subscribers themselves. This session will aid attendees by helping to identify a workflow framework in the form of a content management system (CMS) that allows them to engage whatever points of functionality they have under their control, from the camera to the end user, in the process of achieving their multiplatform goals. Topics will span content management infrastructure, interoperability and workflow; content format considerations, personalisation and curation; and monetisation.

16.45-17.30 Closing remarks by the SCTE Benelux Chairman and drinks reception for attendees

Booking Details: On this occasion, there will be no charge for SCTE Members and non-Members to attend, however, for catering and registration purposes, would you please confirm your attendance with the Benelux Secretary (details overleaf) giving the names of any additional people attending.