



The SCTE – The Society for Broadband Professionals

has pleasure in announcing
the next in its series of
lecture meetings hosted by the Benelux SCTE

BENELUX LECTURE MEETING

“PRACTICAL LIMITS IN IP NETWORKS”

on

Tuesday 15 September 2009

at

The International Broadcasting Convention
Room “O”
RAI Exhibition & Congress Centre
AMSTERDAM

Registration at 9.30 am in the Forum Lounge

“PRACTICAL LIMITS IN IP NETWORKS”

This is the eighth SCTE Benelux lecture presentation organised by Mr Rien Baan, our Benelux Secretary, and on this occasion we are pleased to advise that the event will be held in conjunction with IBC at the RAI Exhibition & Congress Centre in Amsterdam on Tuesday 15 September 2009:-

09.30 - 10.00 Registration and Coffee (This will be held in the Forum Lounge)

10.00 - 10.10 Chairman's Welcome – Ing Henk de Goede

10.10 - 10.30 “IP Video over DOCSIS3.0”

Mr Mark Bugajski, VP Advanced Technology, ARRIS Group

The IBC presentation will summarize results of the studies of behaviour of a large number of HD VBR streams traversing in the real-time through the bonded downstreams of the DOCSIS3.0 CMTS. The findings of this study will be discussed together with recommendations for the forward-going work. A viable procedure for categorizing the VoD VBR assets to simplify the IP bandwidth engineering will be offered. A possible method of characterizing the Broadcast content will be described, and finally, a simple method for low cost bandwidth shaping (that does not affect video quality) at the edge of the HFC network will be proposed. The presentation in the conference hall will include real time demonstration of the effects of self-averaging of combined, multiple HD streams aggregated into a payload suitable for the quad and octal bonded groups of DOCSIS3.0 channels.

10.30 - 11.00 “Challenges in FTTH Networks”

Mr Ytsen Kooistra, Manager Operations, CIF Operator

The first fundamental choice to design a FTTH network is the choice between Point-to-Point (P2P) or Passive Optical Network (PON). Both options have their own strengths and weaknesses. During the presentation, Ytsen will clarify CIF Operator's topology choice. Next, the challenges of the design, implementation and maintenance of the network will be addressed, including the way that CIF Operator deals with them.

11.00 - 11.30 Coffee Break (This will be held in the Forum Lounge)

11.30 - 12.00 “Deploying Upstream 64-QAM and Getting Ready for Upstream Channel Bonding”

Mr Ron Hranac, Technical Leader, Cisco Systems

What does it take to successfully deploy upstream 64-QAM in the outside plant? And going beyond that, what about transporting multiple QAM channels in the upstream in a DOCSIS/Euro-DOCSIS 3.0 channel bonding environment? The presentation will highlight practical plant issues to consider, and will discuss an upstream 64-QAM success story. Also covered is characterization of Fabry Perot (FP) and Distributed Feedback (DFB) lasers with respect to supporting denser constellations and multiple QAM channels.

12.00 - 12.30 “The H.264/AVC Video Compression Algorithm and Future Challenges”

*Prof Dr-Ing Thomas Wiegand, Chair, Image Communication, TU Berlin,
Head Image Processing Department, Fraunhofer HHI*

This talk will review the coding efficiency of H.264/AVC. Shortcomings of the existing design will be identified. We explain future challenges of video coding which are in the area of high resolution, 3D video and mobile video.

12.30 Closing Remarks by the Chairman, Ing Henk de Goede

Booking Details:

On this occasion, there will be no charge for Members and non-Members to attend, however, for catering and registration purposes, would you please either complete the booking form below and return it to the Benelux Secretary (details below) by post or fax giving the names of the people attending. Alternatively, please just drop Rien Baan a note by email to advise him of your requirements.

Name:

Address:

Tel: Fax:

Email: Mobile:

Please reserve place(s) for the lecture meeting in the names of:

SCTE Benelux Secretary:

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