



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

“NETWORK UPGRADE UP TO 1.2 GHZ”

on

Wednesday 1 April 2015

at

**INTEGAN
Boombekelaan 14
2660 Hoboken (Antwerp)
BELGIUM**

Registration and coffee at 10.00 am

SCTE Benelux Secretary:

Rien Baan, SCTE Benelux Secretary
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"NETWORK UPGRADE UP TO 1.2 GHZ"

You don't have to be an SCTE member to participate in this SCTE Benelux Lecture Day – 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.

PROGRAMME

10.00-10.30 Registration and Coffee

10.30-10.35 Welcome by the SCTE Benelux Chairman

10.35-11.15 "Establish network specifications and design rules of the down-stream bandwidth extension to 1.2 GHz"
Jan Arts, Manager Lab & Network Operations, INTEGAN
Extending the bandwidth of coaxial networks from 600 MHz to 1.2 GHz, important choices have to be made. Technical specifications and design rules have to be renewed. A typical approach is to look at a "worst case" network situation, which is then extrapolated to the overall network. Integan has chosen to create new network specifications and design rules based upon a statistic analysis of the complete existing coaxial network. The presentation will lead you step by step through this analysis.

11.15-12.00 "A low-cost method for evaluating fibre zero of dispersion position"
Thierry Tasia, HFC Line Manager, SEE TELECOM
The goal of the project is to evaluate a simple method to find the optical fibre zero of dispersion position based on TIA/EIA FOTP-175 standard (= IEC-60793-1-42). The basic idea is to use off the shelf low cost optical components and the differential phase shift method to find the zero of dispersion position of common G652 SMF fibre.

12.00-13.00 Lunch Break

13.00-14.00 Visit to INTEGAN's premises.

14.00-14.45 "How big data, cloud and artificial intelligence technology will redefine network management in the HFC broadband industry"
Ben Vandenberghe, Sales & Marketing Director, SKYLINE COMMUNICATIONS
HFC broadband technology is evolving ever faster and, while becoming more complex, the competitive pressure is increasing continuously. Intelligent end-to-end network management of these infrastructures is one of the key strategic assets for HFC broadband operators. This presentation provides an overview of how network management has evolved over time and, more importantly, how emerging IT technologies such as cloud, big data and artificial intelligence will make an impact on how we manage those infrastructures more easily and efficiently than ever before.

14.45-15.30 "Extension of down-stream bandwidth to 1.2 GHz, from design to operational and care-taking"
Mark Kerstens, Manager Access Engineering, TELENET
The presentation will highlight the modification of the coaxial network, preparing this for DOCSIS 3.1 frequencies, covering the following topics. Firstly, the construction process whereby design is translated to micro-planning with the aim to modify the network as efficiently as possible and keep the customer impact as small as possible. Next, the technical follow up to control the installation and network quality and finally, the method to create the proper monitoring and after-care of the network transition with the available tools.

15.30 SCTE issues and closing remarks by the SCTE Benelux Chairman
Supporting/interesting websites:
<http://www.thescte.eu/>
<http://www.integan.be/>
<http://www.telenet.be/>
<http://www.see.be/>
<http://www.skyline.be/>

Booking Details: On this occasion, there will be no charge for SCTE Members and non-Members to attend. However, for catering and registration purposes, could you please complete the booking form below and return it to the Benelux Secretary by email rienbaan@zeelandnet.nl or by post or fax giving the names of the people attending. Alternatively, please complete the booking form below or just drop Rien Baan a note by email to advise him of your requirements (details overleaf) or email office@thescte.eu.

Name:

Address:

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Tel: Fax:

Email: Mobile:

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

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