



SCTE - The Society for Broadband Professionals -
has pleasure in announcing its

SPRING LECTURE MEETING

“WHICH TECHNOLOGY AND WHERE TO PLACE IT?”

to be held on

WEDNESDAY 28 MARCH 2018

at

**One Great George Street
(The Godfrey Mitchell Theatre)
Westminster
LONDON
SW1P 3AA**

Registration at 9.15 am

“WHICH TECHNOLOGY AND WHERE TO PLACE IT?”

9.15 am **COFFEE AND REGISTRATION**

9.45 am ***President's Welcome and Society Update***

9.50 am ***Chairman's Keynote Introduction and Overview***

Dave Hodges FSCTE, Chairman, SCTE Lecture Committee

10.00 am ***“Virtual Segmentation – A New Approach to Enable Operators to Keep Up with the Demand for Speed and Capacity Without Fibre”***

Gerrit Boskaljon, Technical Director

TECHNETIX

Fibre deep, node split or distributed architectures can be used to segment networks into smaller service groups. Fibre is often utilised but driving it deeper into the network means longer lead times due to gaining civic approvals and higher labour costs - Virtual Segmentation (VS) solves this.

Traditional networks are used to 870MHz or 1002MHz, leaving usable free spectrum above this range. VS technology exploits unused spectrum to realise high-speed data connections from 3Gbps to 10Gbps. The channel-based design allows us to use this spectrum of the network in the RF domain and feed distributed architectures, like Remote PHY/Remote CCAP. These devices are then fed via a single coaxial cable; when typically a dedicated optical fibre would connect them. Network segmentation can be executed similarly to optical fibre solutions, but without installing fibre.

10.45 am ***“How Machine Learning is Helping to Shape Video Workflows and Consumption”***

Nigel Harniman, Solution Architect, EMEA

BRIGHTCOVE

Machine learning is helping to create massive changes in many tasks, processes and workflows. Video processing is one immediate beneficiary of machine learning. Netflix applied a per title approach to video compression and encoding that laid the groundwork for continued innovation. Companies have evolved this idea to include the user and end device data to this approach, reducing the amount of compression and number of renditions required for most content, with 50% savings achieved. This new per title encoding approach helps to automate the transcoding process and provide for more flexible and efficient workflows.

Further applications of machine learning will yield more advances, to include automation of tasks where humans have traditionally been required for tasks such as editing. Machine Learning will provide for automated clipping of video by using data elements and changes in audio. This session will explore these approaches and detail future advances to come.

11.30 am ***“Fibre Deeper; Are We Home Yet?”***

John Caezza, Senior Vice President

ARRIS ACCESS TECHNOLOGIES

As applications expand across our networks, capacity strain continues at a near exponential rate. Fibre appears to be the solution to growing network strain but the number of fibre options available is also expanding. Although most will not argue with the fact that we will need to have fibre to the home, the debate continues on the timing needed to get there. One of the biggest elements that impacts timing is cost.

Some of the “Fibre Deeper” options we will explore include RFoG, Remote-PHY and Full Duplex. This presentation will review these options with an eye towards defining some of their strengths and weaknesses.

12.15 pm Questions and Round Up

12.25 pm BREAK FOR LUNCH

1.45 pm *PANEL DISCUSSION – “DOCSIS in Focus”*

Chairman: Julian Clover, Editor

BROADBAND TV NEWS

The panel includes experts on delivery mechanisms and Over the Top (OTT) specialists, with questions from the audience. It will focus on the impact of the enormous growth in data requirements, the latest DOCSIS specifications and solutions available to network operators.

3.15 pm BREAK FOR TEA

3.45 pm *“The Challenges of Testing and Certifying Parallel Optics/MPO”*

Paul Avison, Solution Consultant Fibre Optics

VIAVI

Multi-fibre connectivity helps companies accommodate the ever-increasing need for speed without drastically altering the data centre footprint. And, given the constant pressure to improve operational costs, MPO connectors can be a big win for many companies.

Multi-fibre connectivity is increasing exponentially in many areas of the network, from data centres to core and mobile networks. Whilst MPO connectors offer huge operational and space savings, they also present unique challenges that need to be addressed with a new generation of test equipment. Learn about new parallel optics standards and best practices for installation and troubleshooting.

4.30 pm *“FTTH: More Than 'Just' Technology”*

Ing. Maarten Egmond, CTO

GENEXIS

Our hunger for bandwidth seems endless as new services are introduced and existing services increase the quality which they deliver. Fibre-to-the-home is ideal to deliver ever-increasing bandwidth into the home, but a successful deployment needs more than ‘just’ technology. This presentation draws an analogy with city traffic (and what we can learn from it) and explores some of the crucial non-technology aspects that are needed to stay ahead of the game.

5.15 pm *Questions*

5.30 pm - SCTE COCKTAIL PARTY

7.30 pm The Council Room – One Great George Street

All attendees are very welcome to come along to the Cocktail Party which is an excellent networking opportunity.

BOOKING FORM

SCTE Members

As usual, there is no charge for Members to attend the Lecture Meeting - just turn up. There is, however, an optional luncheon (with wine) at One Great George Street at the heavily subsidised rate of £15.00 plus VAT per person (ie £18.00). If you wish to reserve your place for lunch, it is essential that this is booked beforehand and so please complete the form below and return it together with your cheque* made payable to the SCTE.

Alternatively, bookings can be made online via the SCTE website:-
http://www.thescte.eu/acatalog/lecture_meetings.html, by telephone to the SCTE office on +44 (0) 1923 815500 or by email to office@theSCTE.eu

If you wish to bring any non-Member guest(s), please see the non-Member charges below and return the form to the SCTE office together with a cheque* for the appropriate amount.

Non-SCTE Members

The charge for attendance at the day's Lecture Meeting is **£50.00 plus VAT (ie £60.00)**, plus an optional charge of **£15.00 plus VAT (ie £18.00)** for luncheon at One Great George Street. For those of you who may subsequently wish to join the Society, we are pleased to announce that £20.00 of this fee is redeemable against your first full year's membership subscription provided that you apply by the end of April 2018.

If you wish to reserve places for the Lecture Meeting and/or luncheon, then please complete the booking form below and return it together with your cheque* made payable to the SCTE. Payments can also be made online through the SCTE shop at http://www.thescte.eu/acatalog/lecture_meetings.html

*** Payments may also be made by credit card - please contact the SCTE office.**

Please complete and return to: SCTE
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Tel: +44 (0) 1923 815500 Fax: +44 (0) 1923 8030203
Email: office@theSCTE.eu Website: www.theSCTE.eu

Name
Address

Daytime Tel No Mobile Tel No
Email Address

SCTE Member YES*/NO* If NO, please send membership details YES*/NO*
* Please delete as applicable

1 Please reserve place(s) at the Society's Spring Lecture Meeting on Wednesday 28 March 2018 in the names of the following person(s):

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Note: Non-Member charge for each attendee is **£50.00 plus VAT (ie £60.00)**.

2 Please reserve place(s) for the optional luncheon. Please note there is a charge of **£15.00 plus VAT (ie £18.00)** for each place booked.

I enclose a cheque for £ made payable to SCTE. All bookings will be confirmed.

Signed Date