



SCTE - The Society for Broadband Professionals -

has pleasure in announcing its

SPRING LECTURE MEETING

“WI-FI TO THE END...”

to be held on

WEDNESDAY 27th MARCH 2019

at

**The National Conference Centre
(National Motorcycle Museum)
Coventry Road
Bickenhill
SOLIHULL
B92 0EJ**

Registration at 9.00 am

“WI-FI TO THE END ...”

09.00 am COFFEE AND REGISTRATION

09.30 am *President's Welcome and Society Update*

09.35 am *Chairman's Keynote Introduction and Overview*
Dave Hodges FSCTE, Chairman, SCTE Lecture Committee

09.45 am *“Converged Media World: Delivering the Ultimate Viewer Experience”*
Richard Lindsay-Davies, CEO
DTG (Digital TV Group)

We are more connected now than ever before. Consuming media on multiple devices is now determined to be less of a luxury and more of a human right. As technology evolves, it widens the net of business connections, leading to one industry relying on another and another to deliver a whole array of services to hungry consumers across the globe. What were once separate entities are now fused together with one clear goal; to deliver the ultimate user experience. A whole new world of partnerships is out there to explore.....

10.25 am *“Wireless Technologies within the Access Network”*
Jack Morrison, Principal Engineer and Technologist
LIBERTY GLOBAL

As the cable industry plans for the digitisation of optical transmission within the Access network, a new generation of Ethernet-based technologies can be implemented within traditional analogue network environments. One technological family of specific interest to fixed line operators are those within the wireless domain. Jack Morrison has been investigating wireless technologies for Liberty Global for the past couple of years and plans to share some insight around his latest trial, ‘High-Capacity Point-to-Point Systems’ as an alternative to trunk fibre connectivity.

11.05 am *“Full DUPLEX DOCSIS and Proactive Network Maintenance”*
Brady Volpe, Founder
THE VOLPE FIRM, INC. and NIMBLE THIS LLC

This presentation will cover how Full Duplex DOCSIS (FDX) and proactive network maintenance (PNM) will be used collaboratively to provide up to 10Gbps symmetrical data throughput over the HFC plant. We will review the technologies used in FDX, review some of the capabilities and limitations and examine how PNM will be essential to its success.

11.45 pm Questions and Round Up

12.00 pm BREAK FOR LUNCH

1.15 pm “What is the Wi-Fi Alliance Wi-Fi Certified EasyMesh™ Programme?”

Ian Wheelock, Engineering Fellow, CPE CTO Team

ARRIS

The Wi-Fi Alliance has just released the Wi-Fi certified EasyMesh™ programme. This programme is used to validate Wi-Fi Gateway and Extender devices that implement the associated Multi-AP Specification. It defines technologies to create an easy-to-install, self-adapting Wi-Fi home or small office network. This session will provide an overview of Wi-Fi EasyMesh, the Multi-AP Specification and the market that it intends to address. The presentation may offer information on open-source efforts.

**1.55 pm “Migrating a Network to a 100Mbps Symmetrical over Coax,
Followed by Full Fibre”**

Edo Kweldam, Managing Director

CAI HARDERWIJK (also Chairman, SCTE Benelux Group)

As a small cable operator, CAI Harderwijk (in The Netherlands) faced challenges to serve the needs of the rapidly changing market. In 2010, CAI Harderwijk introduced a 100Mbps symmetrical through the entire coax network a world first), followed by a full migration to a FttH point-to-point network in 2014. Edo Kweldam will give an overview of the operations and technical challenges encountered during this process. He will also explain why certain choices in the network were made, with the market and the future in mind.

2.35 pm BREAK FOR TEA

3.05 pm “Advanced Optical Fibre Cables for Spatially-Efficient Networks”

Roshene McCool MEng CEng, Market and Technology Development Manager

CORNING OPTICAL COMMUNICATIONS

In recent years, the optical communications industry has focused on building highly spectrally-efficient networks that deliver very high bandwidth over relatively few connections. The growth of high-bandwidth applications to users is driving connection point densification in access hubs and networks; two different applications experiencing space constraints in the face of connection proliferation. Each connection point needs a fibre, so the number of fibre strands required to deliver network connectivity is spiralling, while space and physical pathways to route these fibres is fixed or rapidly being consumed.

Connection point densification shifts network operator focus from spectral to spatial efficiency. This presentation will discuss optical fibre cable design innovations that yield up to 5x spatial efficiency gains to enable high-fibre-count capacity networks, now and in the future. Specifically:

- *In access hubs, (Head Ends, Mobile Switching Centres or Central Offices) ribbon cables containing thousands of individual fibre strands provide extreme-density feeder links.*
- *In access networks, miniaturised cables and duct pathways provide scalable, high-fibre count distribution links where space is most scarce.*

3.45 pm “Highlights of the National Motorcycle Museum”

Bob Badland, Tour Guide

NATIONAL MOTORCYCLE MUSEUM

An overview of the National Motorcycle Museum, its history and highlights of its displays will be presented by Bob Badland of the National Motorcycle Museum, for those who wish to visit.

4.00 pm Questions and Closing Remarks

All SCTE delegates can obtain free entry to the National Motorcycle Museum on presentation of their badges to the NMM Reception.

PROGRAMME CORRECT AS AT THE TIME OF GOING TO PRESS

BOOKING FORM

SCTE Members

As usual, there is no charge for Members to attend the Lecture Meeting, however, on this occasion we are offering a complimentary lunch for all participants as part of the day's programme. It is, therefore, essential that your booking is confirmed with the SCTE office in advance for catering purposes.

Alternatively, bookings can be made online via the SCTE website:-
http://www.thescte.eu/acatalog/lecture_meetings.html

If you wish to bring any non-Member guest(s), please see the non-Member charge 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)** to include the lunch.

If you wish to reserve places for the Lecture Meeting (to include the complimentary lunch), 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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WATFORD, Hertfordshire, WD18 0PN UK
Tel: +44 (0) 1923 815500 Fax: +44 (0) 1923 8030203
Email: office@theSCTE.eu Website: www.theSCTE.eu

Name

Address

.....

Daytime Tel No Daytime Fax 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 27th March 2019 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)**.

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

Signed Date