



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

SPRING LECTURE MEETING

“HOME AT LAST?”

to be held on

WEDNESDAY 30 MARCH 2016

at

The Royal College of Surgeons of England (RCS)
Eleanor Davies-Colley Lecture Theatre (LT2)
35-43 Lincoln's Inn Fields
LONDON
WC2A 3PE

Registration at 9.30 am

"HOME AT LAST?"

9.30 am COFFEE AND REGISTRATION

10.00 am *President's Welcome and Society Update*

10.05 am *Chairman's Keynote Introduction and Overview*
Paul Smith FSCTE, Principal Engineer, HFC Engineering
VIRGIN MEDIA

10.15 am *"Network and In-Home RF Cable Connectorisation - The Hidden Demons Exposed. How Could the Industry Have Got it So Wrong?"*
Keith Mothersdale, Technology Director, Passives and Indoor
TELESTE LTD

Broadband cable MSOs are constantly striving to improve service reliability and overall customer experience. Historically, investment in the head-end and transmission network has been given priority, and the drop connection has been seen as a commodity. However, when it comes to maintenance costs, the situation is reversed as the head-end and transmission is all high quality and requires less maintenance investment. The drop, however, is deployed in tens of millions of connections and each connection that becomes a truck roll suddenly requires massive investment and incurred costs. A small passive splitter, a low cost connector and some coaxial cable form the gateway to the two-way cable network and suddenly this low cost drop connection to the customer becomes very expensive and problematic. Multiply this by a few million issues per annum, and the costs are astronomical as well as resulting in lost customers and increased churn.

Teleste has spent the past two years researching the drop issues and, in particular, the most expensive truck roll issues relating to "no faults found". Teleste believes that it has found the hidden demons relating to one of the last major issues in the drop and will be presenting its findings.

11.00 am *"Can You Improve Your Network While Driving Down the Total Cost of Ownership (TCO)?"*
Jan Ariesen, Chief Technical Officer
TECHNETIX

With the launch of DOCSIS 3.1, there is the opportunity to drive 10Gb downstream and more than 1Gb upstream. To accomplish this, the network performance has to be able to drive 4kQAM signals downstream. In addition to the improved CINR, the frequency band is increased and, as such, loading is improved from two perspectives.

Putting more and/or better actives in your network will give you the headroom to meet the new DOCSIS 3.1 requirements but this will increase costs - not only capital expenditure but also operational expenses. Technetix has developed a process which will improve network performance, drive 4kQAM downstream and 1kQAM upstream while still driving down TCO. This presentation gives a synopsis of the research and provides cable operators with tools for the future.

11.45 am *"Using Cable Modems to Verify DOCSIS 3.1 Benefits in Existing Cable Plants"*
Leslie Rysdale, Manager of Sales Engineering EMEA for Access and Transport Products
ARRIS

In this presentation, ARRIS will describe a method to use data captured from existing cable plants (cable modems) and use the data to provide realistic estimates of expected improvements that DOCSIS 3.1 technology may bring to existing cable plants. It will also discuss how capacity planning for DOCSIS networks will be impacted by DOCSIS 3.1 deployments.

12.30 pm Questions and Round Up

12.40 pm BREAK FOR LUNCH

2.00 pm *PANEL DISCUSSION - “DOCSIS 3.1, Impact on Home Products and OTT (Over the Top) Impact”*

Chairman:

Julian Clover, Editor, **Broadband TV News**

Panellists:

- **Gary Mitchinson**, Head of Access Engineering, Access & Customer Engineering, Engineering Division, Network & Technology, **Virgin Media**
- **Jan Ariesen**, Chief Technical Officer, **Technetix**
- **Robin Mersh**, Chief Executive Officer, **Broadband Forum**
- **Leslie Rysdale**, Manager of Sales Engineering EMEA for Access and Transport Products, **ARRIS**
- **Costas Kyriacou**, Hardware Design Engineer, **Thales Group**
- **Douglas Clague**, Solutions Marketing CIVT, **Viavi Solutions**

The panel will include representatives from operators, manufacturers, independent experts and Over the Top (OTT) specialists, with questions from the audience. It will focus on the impact of DOCSIS 3.1 on OTT and home products. Its impact on RF management and the current state of RF equipment and readiness for 1.2GHz, and especially 204MHz, will also be discussed.

3.30 pm BREAK FOR TEA

4.00 pm “Broadband Services for the 21st Century”

Robin Mersh, Chief Executive Officer

BROADBAND FORUM

This presentation explores the future of Broadband as envisaged by the Broadband Forum. The session is not just visionary but shows the wide-ranging steps that are being taken on the journey, covering developments in the Forum’s TR-069 management protocol in use in more than 350 million installations, migration from device to service focus with SDN and NFV as enabling technology.

Also covered are developments in broadband assured services and new user service platforms for small businesses multi-dwelling buildings and residential locations and, of course, the emergence of the Internet of Things.

4.45 pm “Access Layer and the Power Pyramid”

Gary Mitchinson, Head of Access Engineering, Access & Customer Engineering, Engineering Division, Network & Technology

VIRGIN MEDIA

The Access layer is continuing to evolve, both in terms of services that are being delivered over it and the types of technology deployed to transport those services. As an industry, we have our part to play in seeking better ways to reduce energy consumption and seek more efficient ways of delivering our services.

So how much of a problem does the access layer present to MSOs in their quest for increased transport capabilities and what can we do as an industry to improve our use of energy in the coming years? This presentation will review some of the key challenges and possible solutions for deploying energy-efficient technology within the access layer.

5.30 pm Questions

5.40 pm - SCTE COCKTAIL PARTY

7.30 pm The Royal College of Surgeons – The Surgeons Library

All attendees are very welcome to come along to the Cocktail Party in the original 19th Century RCS library which is steeped in history.

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 the RCS 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 the RCS. 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 2016.

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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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 30 March 2016 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