



SCTE Autumn Lecture
Meeting and AGM

Coax and Fibre – Quo Vadis?

to be held on

Wednesday 9 October 2019

at

One Great George Street

(The Godfrey Mitchell Theatre), Westminster, LONDON, SW1P 3AA

Registration at 9.30 am



SCTE Autumn Lecture Meeting and AGM

Coax and Fibre – Quo Vadis?

Programme For The Day

The SCTE'S Lecture Meeting will be held in the Godfrey Mitchell Theatre.

09.30 am COFFEE AND REGISTRATION

10.00 am Chairman's Keynote Introduction and Overview

David Hodges

SCTE Papers' Committee Chairman

10.05 am "CoMeT Tube Testing of RF Transfer Impedance & Shielding Effectiveness"

*Zdenek Samek MSCTE, RF Technologist, **PPC Broadband Europe** and Steve Wells MSCTE, Principal Engineer, **Liberty Global**, Access Network Engineering – Technology & Innovation, supported by Chris Bailey, President, **SCTE***

This extended presentation will focus on testing RF Shielding Effectiveness and Transfer Impedance of RF components and assemblies, both active and passive. A CoMeT tube will be set-up along with the associated test equipment.

The first part of the lecture will feature live testing of RF components, with test measurements displayed on a large screen enabling lecture attendees to share the test results as they occur.

Video close-up views of the components on test will be shared as they are mounted in readiness for CoMeT tube tests. Ongoing commentary will accompany the testing on the test procedure, set-up and interpretation of the results.

The second part of the lecture will cover RF measurements in the field, EMC measurements in a TEM cell, EMC measurements in a shielded anechoic chamber and RF measurements in the RF laboratory using the absorption clamp method. It will also present and explain the maths and physics behind the design and use of the CoMeT Tube.

A ten-minute panel Q&A session, chaired by Chris Bailey, will then conclude this presentation.

11.35 am BREAK FOR TEA/COFFEE

11.55 am "F-connector Interface Adaptation"

*Søren Baldus Kunze, RF Test Lab Supervisor, **Corning***

This presentation will discuss the connectivity challenges in HFC networks, both internally and externally. It will explain how, by adapting the F-connector interface and the many variables within the TAP supply, these can be overcome, resulting in reduced noise as well as improved electrical interface and connections.

12.20 pm Questions and Closing Remarks

David Hodges

SCTE Papers' Committee Chairman

12.30 pm BREAK FOR LUNCH

1.40 pm "An Introduction to the Women's Engineering Society"

Dawn Childs, President, WES

Dawn Childs will introduce the Women's Engineering Society (WES), a charity and a professional network of women engineers, scientists and technologists offering inspiration, support and professional development. Working in partnership, it supports and inspires women to achieve as engineers, scientists and as leaders. It encourages the education of engineering and supports companies with gender diversity and inclusion.

The Women's Engineering Society and Royal Academy of Engineering have joined forces to conduct a census of engineers to enable us to understand the barriers to engineers reaching their career goals and succeeding in engineering.

2.05 pm "The State of Fibre and Key Market Trends"

*Erzsébet Fitori, Director General **FTTH Council Europe***

This presentation will discuss the state of fibre in Europe, offering an FTTH/B market panorama. It will also cover fibre for 5G, as well as copper switch-off and the migration to fibre. It will also include rankings of homes passed in Europe (FTTH/B) and country rankings.

2.45 pm BREAK FOR TEA

3.15 pm Panel on 5G

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

This panel on 5G developments will include representatives from Vodafone, FTTH Council, Ericsson and the University of Surrey. Questions from the audience are also invited.

4.30 pm SCTE 2019 ANNUAL GENERAL MEETING

5.30 pm SCTE COCKTAIL PARTY

- 7.30pm The Council Room – One Great George Street

All attendees are very welcome to come along to the Cocktail Party.



SCTE Autumn Lecture Meeting and AGM

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) on this occasion at One Great George Street at the heavily subsidised rate of £15.00 plus VAT per person (i.e. £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

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 (i.e. £18.00)** for luncheon at One Great George Street.

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 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 Autumn Lecture Meeting on Wednesday 9th October 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)**.

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

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

Signed Date