



SCTE - The Society for Broadband Professionals -

has pleasure in announcing its

SPRING LECTURE MEETING

“FORWARD EVERY WHICH-WAY”

to be held on

THURSDAY 3 APRIL 2014

at

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

(Don't forget about the change of venue! The lecture meetings are now being held at the RCS due to the IET being closed for the next 2+ years for major refurbishments).

Registration at 9.30 am

“FORWARD EVERY WHICH-WAY”

9.30 am COFFEE AND REGISTRATION

10.00 am *President’s Welcome and Society Update*

10.10 am *Chairman’s Keynote Introduction and Overview*

Dr Mark Burns, HFC Architect

LIBERTY GLOBAL / VIRGIN MEDIA

10.15 am *“The WLAN 802.11ac Standard: How Did We Get Here and What Does It Do For Us?”*

Colville Crooks, Application Engineer

AGILENT TECHNOLOGIES

This presentation is an exploration of the specifications and benefits of the 802.11ac standard. It discusses similarities and differences from the previous Wi-Fi implementations. It also examines what users can expect from the system as well as the challenges incurred in testing devices.

11.00 am *“Cable Networks – The Next 10 Years”*

Cornel Ciocirlan, CTO EMEA

ARRIS

This presentation will show the probable evolution of cable networks over the next 10 years – from both an HFC and a network perspective, including DOCSIS 3.1, migration to IPTV, and discuss the ability of HFC architectures to support the high bandwidth services through the next decade.

11.45 am *“Transitioning the HFC Network Towards a Higher Return Split: The Return Challenges and Optimum Technology Solution”*

Dr Fred Coppinger, Marketing Product Manager of Head-End Products

AURORA NETWORKS (a Pace company)

In this presentation, we will discuss the challenges associated with a move towards a higher split in the return. Mid-split (85MHz), high-split (216+MHz) as well as higher modulation formats (from QAM64 to QAM256 or QAM1024) are being considered to increase the return capacity in HFC architectures. These new conditions increase the burden on the return in general and, more specifically, on the optical return link. We will review some of those challenges for analogue and digital return technologies and present the optimum solution to overcome them. We will conclude by showing that digital return has the potential for better performance over a wider range of conditions.

12.30 pm Questions and Round Up

12.45 pm BREAK FOR LUNCH

2.15 pm “Software-Defined Video in the Era of Ultra HD”

John Swannell, Sales Manager EMEA

ELEMENTAL TECHNOLOGIES LTD

3.00 pm “Practicalities of EMC Testing and What This Means to the Engineer”

Simon Young, Owner

FREQUENSYS LTD

This presentation will discuss why EMC and CE marking is important and pinpoint the EMC tests that engineers are required to perform as well as the test equipment required to meet these tests.

3.45 pm QUESTIONS

4.00 pm BREAK FOR TEA

4.15 pm PANEL: “Fibre Versus Coax: Access Architectures”

Moderated by:

Julian Clover, Editorial Director

BROADBAND TV NEWS

Panel Participants:

- **Neil Geary**, Technical Strategy Consultant, CPE & Network, Technical Strategy & Roadmaps
VIRGIN MEDIA & LIBERTY GLOBAL CAO
- **David Woollard**, Consultant
SEGNET
- **Cornel Ciocirlan**, CTO, EMEA
ARRIS
- **Dr Fred Coppinger**, Marketing Product Manager, Head-End Products,
Aurora Networks (a Pace company)

This panel will discuss its views on fibre versus coax: access architectures. Questions will also be taken from the audience.

5.25 pm Closing Remarks

Dr Roger Blakeway, SCTE President

5.30 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.

PROGRAMME CORRECT AS AT TIME OF GOING TO PRESS

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 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

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 2014.

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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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 Thursday 3 April 2014 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