SCTE - The Society for Broadband Professionals -

has pleasure in announcing its

SPRING LECTURE MEETING

"KEEPING CONNECTED"

to be held on

TUESDAY 24th MARCH 2020

at

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

Registration at 9.30 am

"KEEPING CONNECTED …"

09.30 am   **COFFEE AND REGISTRATION**

10.00 am   ***President's Welcome, Introduction and Society Update***
Anthony Basham, President, SCTE

10.15 am   ***"How to Avoid the Pitfalls of Cloud Migration"***
Gabor Molnar, Ph.D., Evangelist, Video Services & Science
Divitel B.V.

The cloud is the most flexible and cost-effective way to connect and share data. But how should it be utilised in a way that helps operators to improve their service continuously? Divitel will present the three pitfalls of cloud adoption, along with how Divitel has avoided falling into them.

The first pitfall is that cloud migration is not simply a question of replacement. Service providers will need to migrate step by step, keeping risks to a minimum and maximizing legacy ROI. But where do they start? Which components do they replace, and which ones do they keep? Divitel will explain how to build a migration plan that considers legacy.

The second pitfall is that migrating towards the cloud is mostly about people. Service Providers will need new people with new skills sets or they will need to train their existing labour force. But how do they educate them, while the employee's day to day reality consists of continuously putting out fires?

The third pitfall is that migration is much more than merely copy-pasting old workflows into the new hybrid or cloud architecture. Providers could be replicating existing problems into the cloud … The solution is to implement new workflows that are in accordance with a silo smashing data strategy, describing all the new processes that you are going to use to execute it. We are more connected now than ever before. The goal; to deliver the ultimate user experience. A whole new world of partnerships is out there to explore……

11.00 am   ***"The State of Fibre and Key Market Trends"***
Erzsébet Fitori, Director General
FTTH COUNCIL

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. Rankings of homes passed in Europe (FTTH/B), as well as country rankings, will also be outlined.

11.45 am   ***"Wireless – What is Next?"***
John Anderton, Director, Product Line Management, Wireless Connectivity
Business Unit
QORVO

With all these wireless standards around, what should one choose for a smart home? Zigbee®, Thread, Bluetooth® Mesh, or Wi-Fi? Or what about 5G and NB-IoT? How do we separate the noise from what is real and important? And how will this impact the future?

Wi-Fi has found a way to properly operate in the unlicensed ISM-bands and satisfy the needs for wireless connectivity indoor, in-home or in-building, where 3G was not able to penetrate well. Wi-Fi has rapidly increased its data rate and expanded its capabilities by moving from the 2.4GHz band into the 5GHz band, and it is expected to further extend these by going into the 6GHz band.

Indeed, the smart home basic concept is centred around distributed Wi-Fi ("Wi-Fi Mesh"), using a one pod per room infrastructure. Wi-Fi Mesh is the ultimate solution for full home coverage, combining high data rate and high capacity for demanding applications and ultra-low power technology for sensor networks supporting multiple wireless communication standards. This infrastructure will naturally pave the way for .11ax, .11ad and .11ay.

We can see that a new battle is looming as Wi-Fi develops; the 3GPP is moving on from 4G/LTE and is investing heavily in 5G. So, what will be next? 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.

12.30 pm   **Questions and Round Up**

12.40 pm   **BREAK FOR LUNCH**

2.00 pm   ***"A Look at the Future of Energy for Cable TV"***
Jason Simpson, VP Global Energy and Utilities
LIBERTY GLOBAL

LIBERTY GLOBAL is exploring a number of energy-related ventures; Electric Vehicle charging using its access network infrastructure; Energy-as-a-Service to core network sites; investing in renewable energy generation assets and creating synergies between Cable TV and Energy retailing. What are the opportunities for CATV players in the Energy sector?

2.45 pm   ***"Unlocking the Potential of Smart Media Devices for the Home"***
Charles Cheevers, CTO, CPE
COMMSCOPE

With the advent of new device types in the home – from Wi-Fi to IoT and from Smart Assistant to Smart TV – new applications based on Machine Learning and AI systems will be developed and applied to data collected from these in room devices. These devices incorporate Bluetooth Radios, Wi-Fi Radios and other NFC solutions that can now be used to probe and sense the home in new and productive ways. Wi-Fi for example is now being targeted to provide not only connectivity but to be used for motion detection and future more granular Wi-Fi imaging of motion of limbs or gestures.

There is such a clear merging of three technologies – the TV screen, the Set-Top Box and the Smart Assistant– that it's been named the Smart Media Device (SMD). Such devices will control the large viewing screens in homes, offering its canvas to intelligent applications based around presence and voice integration. The SMD will blend the Home Control console with watching the latest movie with new visual skills based on expert AI systems that will manage the home environment and the people in the home's digital life. These skills will include Home Environment sensing and monitoring; Self-Healing engagement with Service Providers with video and voice interaction; Smart AI-driven personal assistants for all facets of digital life and whole family experiences in lean-back mode on the couch.

3.00 pm   **Questions and Round-Up**

3.10 pm   **BREAK FOR TEA**

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.

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
    Communications House, 41a Market Street
    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 Tuesday 24th March 2020 in the names of the following person(s):
    ....

    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 ....