

5G Live! Theatre
14th - 15th June 2017
5G World Summit 2017
London, UK

*Creating an end-to-end ecosystem to enable a fully connected society
through existing and emerging use cases*

Confirmed speakers:

- *Javan Erfanian, Distinguished Member of Technical Staff, Bell Canada*
- *Erol Hepsaydir, Head of RAN and Device Strategy Architecture, Three UK*
- *Marcus Brunner, Head of Standardisation, Swisscom*
- *Andy Sutton, Principal Network Architect, BT*
- *Michael South, Product Manager, Cloud Connectivity, Colt Technology*
- *Meik Kottkamp, Principal Technology Management Wireless, Rohde & Schwarz GmbH & Co KG*
- *Rémi Thomas, Director of the NGMN Project, Orange*
- *Maria Cuevas, Head of Mobile Core Networks Research, BT*
- *Tommy Bjorkberg, Director, CTO Group, ZTE*
- *Nirlay Kundu, Distinguished Engineer, Verizon Innovation Labs*
- *Graziano Bini, Head of Mobile Access Engineering and Devices, TIM*
- *Dave Happy, Special Advisor and Head of 5G, Ordnance Survey*
- *Abbey Alidoosti, CEO, AWTG Ltd.*

CONFERENCE DAY ONE 14th JUNE 2017

Chairman: *Javan Erfanian, Distinguished Member of Technical Staff, Bell Canada and 5G Initiative NGMN*

11.00– 13.00 - VISIONARY TECHNOLOGY PRESENTATIONS

11.00 5G Requirements, Gaps and Challenges

Javan Erfanian, Distinguished Member of Technical Staff, Bell Canada and 5G Initiative NGMN

11.20 4G to 5G Migration

- Where are we today with 4G?
- LTE-Adv/Pro network modernisation
- Planning a 5G ready network

Erol Hepsaydir, Head of RAN and Device Strategy Architecture, Three UK

11.40 The cloud-native 5G Platform

- Cloud-native implementation of 5G components for high availability and self-management
- Thinking in terms of platform instead of network due to the variety of requirements to be servicable on 5G

Marcus Brunner, Head of Standardisation, Swisscom

12.00 5G Backhaul and x-haul

- Review the state of the art in LTE backhaul
- Consider 5G backhaul/x-haul requirements based on 3GPP functional decomposition of the RAN
- Discuss 5G backhaul/x-haul topology and open questions

Andy Sutton, Principal Network Architect, BT

12.20 Superior connectivity through LTE Gateway

- Developing flexible products that meet customer expectations
- The future of mobile access solutions

Senior representative, ZyXEL

12.40 Understand the unknowns of cm and mmWave spectrum

- Radio propagation characteristics and applying enhanced antenna technologies in this new frequency range
- Technical challenges resulting from the use of the cm- and mmWave spectrum
- Solutions characterizing Massive MIMO / Beamforming antenna implementations and measuring network coverage at 28GHz according to pre-5G specifications

Meik Kottkamp, Principal Technology Management Wireless, Rohde & Schwarz GmbH & Co KG

13.00 – 14.00 NETWORKING LUNCH BREAK

14.00-16.00 - PROOF OF CONCEPTS

14.00 Metrology for 5G mmWave Communications

- The need for accurate measurements and models to characterize propagation in mmWave bands
- Work of the 5G mmWave Channel Model Alliance

Nada Golmie, Chief, Wireless Networks Division, National Institute of Standards and Technology

14.15 Deploying 5G quickly and efficiently through 3D mapping of the UK

- Supporting government initiatives to allocate spectrum for 5G networks

Dave Happy, Special Advisor and Head of 5G, Ordnance Survey

14.35 5G wireless spectrum efficiency

Fredrik Tufvesson, Professor of Engineering, Lund University

14.50 SDN Innovations

- Drivers for On Demand services
- Live demo

Michael South, Product Manager, Cloud Connectivity, Colt Technology

15.05 V2X and 5G enabling autonomous vehicles

Mark Henry, Head of 5G and Service Evolution, BT/EE

Mobile Core Network Testbed Platform

SDN trialling residential areas

Mobile Edge Computing in healthcare

16.00 – Close of 5G Live! Theatre - see you tomorrow!

CONFERENCE DAY TWO 15th JUNE 2017

Chairman: *Alberto Diez, Principal Consultant, Mobile Plots*

11.00-13.00 - VISIONARY TECHNOLOGY PRESENTATIONS

11.00 The Orange Group 5G Strategy – Spectrum Trials and Roadmap

Rémi Thomas, Director of the NGMN Project, Orange

11.20 Dynamic 5G Network slicing

- What are the main drivers for network slicing?
- What are the challenges?
- What new business models can it enable?

Maria Cuevas, Head of Mobile Core Networks Research, BT

11.40 RAN architecture innovations

- 5G use cases
- ZTE 5G solutions and progress

Tommy Bjorkberg, Director, CTO Group, ZTE

12.00 Challenges of migrating a Physical Network function (PNF) to a Virtual Network Function (VNF)

- Carrier grade requirements for VNF
- Best Practices for Cloud Native VNF
- Multivendor VNF compatibility
- Security challenges and performance issues

Nirlay Kundu, Distinguished Engineer, Verizon Innovation Labs

12.20 From RAN centralization to RAN cloudification: TIM 4.5G live network and its smooth transition towards 5G

Graziano Bini, Head of Mobile Access Engineering and Devices, TIM

12.40 Challenges of Deploying 5G

- Actualising 5G through the use of small cell densification
- Design and development of a 44 site complete end to end self-contained network

Abbey Alidoosti, CEO, AWTG Ltd.

13.00 – 14.00 NETWORKING LUNCH BREAK

14.00 – 16.00 - PROOF OF CONCEPTS

14.00 Developing Service Orchestration Technology as a future telco business platform

DK Lee, Core Network Lab, Network Technology R&D Center, SK Telecom

14.15 Building the 5G ecosystem

Attilio Somma, VP Business Innovation, TIM

14.30 RF consideration for vehicle communication

Seungpyo Hong, Project Manager, SK Telecom

World First 5G Smart Network Edge prototype

Small cell proof of concept

Close of 5G Live! Theatre – see you next year!