

SESSIONS

PRE-CONFERENCE FOCUS DAY - 11/06/2019

5G World Summit

Workshops & Conference: 11 - 13 June 2019

Exhibition: 12 - 13 June 2019

ExCeL, London

Chair's opening remarks

09:00 - 09:10

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

Participants

Peter Curnow-Ford - Steering Board Advisor & Founder, UK Spectrum Policy Forum & Viatec Associates

Welcome Speech

09:00 - 09:10

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Edward Chan - VP of Carrier Business Group, Huawei West European Region

Reviewing global best practice in 5G spectrum allocation

09:10 - 09:30

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

- Reviewing the outcomes of recent 5G spectrum auctions
- The regulatory landscape and how it relates to 5G for the B2C and B2B markets
- Next steps for international spectrum harmonisation

Participants

Philip Marnick - Group Director, Spectrum, Ofcom

Organisations sharing progress in standards

09:10 - 09:30

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Adrian Scrase - CTO, ETSI

Chair's Opening Remarks

09:20 - 09:30

5G Security by Design Workshop

Participants

Paul Bradley - Managing Director, DigitalTrans4m and Senior Product Marketing Manager, TMForum

Delivering capacity and enabling innovation in the mmWave bands through a forward-looking authorisation regime

09:30 - 09:50

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

- Challenges in breaking the wireless barriers to mobilize mmWave spectrum
- Key requirements of different stakeholders for spectrum in the 26GHz and expected services and deployments needs
- Current awards across Europe and in the world in the 26/28GHz band.
- Authorization mechanisms offering the best approach to support innovation and competition

Participants

Luigi Ardito - Senior Director, Government Affairs, Qualcomm

Reviewing the 5G Security Challenges

09:30 - 09:50

5G Security by Design Workshop

- The Origins of 5G Security requirements
- Greater exposure of the 5G Core
- Interconnection vulnerabilities
- Security of network slicing
- Security at the edge and multi-cloud security
- Embedding security in telco DNA.

Participants

Patrick Donegan - Founder & Principal Analyst, HardenStance

Market updates & challenges of 5G site deployment

09:30 - 09:50

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Dimitris Mavrakis - Research Director, ABI Research

A standards and spectrum update from 5G IA

09:50 - 10:10

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

Participants

Werner Mohr - Head of Research Alliances, Nokia Germany on behalf of 5G Infrastructure Association

Mitigating threats in 5G and the evolving architectures

09:50 - 10:10

5G Security by Design Workshop

- Design considerations and threat analysis
- What are the vulnerabilities in a fully virtualised network?
- Advanced threat intelligence solutions

Participants

Yasir Liaquatullah - VP Products, A10 Networks

New Value of 5G

09:50 - 10:10

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Sangchul Lee - Standing Advisor, LG Uplus & LG Group

Creating the spectrum and regulatory landscape that enables a wide 5G enterprise uptake

10:10 - 10:20

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

- Tailoring spectrum licensing and regulation to enable 5G use cases in manufacturing, healthcare and autonomous vehicles
- Collaboration between technology enablers, mobile operators and regulators to achieve internationally harmonised, smart spectrum policy
- What are the unique requirements and challenges in verticals which the regulators will need to adapt to?

Participants

Roberto Ercole - Director, Spectrum and Telecom Consulting

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Re-thinking data management and security for the 5G era

10:10 - 10:30

5G Security by Design Workshop

- Developing a data governance strategy to manage the exponential growth of data in a 5G world
- Scaling and automating data management securely
- Balancing the need for nimble, agile networks with high security requirements
- Applying AI and behavioural analytics to defend against emerging threats

Participants

Mario Meir-Huber - Head of Big Data, Analytics & AI, A1 Telekom Austria

3UK 5G Strategy, plans and challenges

10:10 - 10:30

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Erol Hepsaydir - Head of Radio and Device Strategy and Architecture, Three UK

Panel Deep dive session: The licensed vs unlicensed spectrum debate

10:20 - 10:50

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

- Will spectrum sharing and unlicensed bands play a key or complimentary role in the 5G spectrum landscape?
- Reviewing use cases for unlicensed spectrum in industrial IoT and mobile broadband for enterprises
- Developments from 3GPP to define 5G NR for unlicensed spectrum

Participants

Peter Curnow-Ford - Steering Board Advisor & Founder, UK Spectrum Policy Forum & Viatic Associates

Martin Wren Hilton - Director of Wireless Innovation, TalkTalk

David Crawford - Senior Knowledge Exchange Fellow and 5G Projects Director, Dynamic Spectrum Alliance & 5G RuralFirst

Roberto Ercole - Director, Spectrum and Telecom Consulting

Luigi Ardito - Senior Director, Government Affairs, Qualcomm

Creating an end-to-end chain of trust in 5G networks through advanced 5G security

10:30 - 10:50

5G Security by Design Workshop

- From 5G SIM's authentication to data network protection
- How to cope with new data protection challenges necessitating a fabric of trust across 5G virtualized networks
- How newly standardized 5G SIM will help protecting operators' assets and reputation

Participants

Jean-Francois Rubon - VP Strategy & Partnerships, Gemalto

Coffee break & booth visit

10:30 - 10:50

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Networking break

10:50 - 11:10

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

Networking break

10:50 - 11:20

5G Security by Design Workshop

Sunrise's 5G site deployment in 5G era

10:50 - 11:10

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Michael Martin - Director Radio, Transport & Service Management, Sunrise

The first industry-neutral SD-WAN service standards and certification

11:10 - 11:30

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

The SD-WAN market is growing quickly, and with it, the number of providers and vendors of SD-WAN services and the underlying technologies. The need to achieve standardized terminology and service attribute definitions to enable the market has become critically important. For that reason, MEF is proud to release the first industry-neutral SD-WAN service definition – MEF 70. This standard developed and approved by leading service providers and vendors is an industry initiative to define SD-WAN service and its various attributes. The SD-WAN service definition is a foundational step for accelerating sales, market adoption, and certification of MEF 3.0 SD-WAN services orchestrated across a global ecosystem of automated networks. In this session we will review the main attributes of the MEF SD-WAN service definitions and how MEF's LSO (Lifecycle Service Orchestration) framework handles SD-WAN service orchestration.

Participants

Rami Yaron - Board Member and Co-chair of the Global Marketing & Education Committee, MEF

New co-operation model between towercos, MNOs and vendors for 5G

11:10 - 11:30

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Kieron Osmotherly - Founder & CEO, TowerXchange

Preparing for the 5G era at Orange

11:20 - 11:40

5G Security by Design Workshop

Participants

Remy Harel - Network Security Manager, Orange Group

Standards and spectrum recommendations

11:30 - 11:50

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

- What are the paradigm shifts in connectivity and technology that will form future standards and spectrum licensing?
- Reviewing research projects supporting the evolution of 5G standards
- Developing technological solutions for 5G spectrum that travels short distances

Participants

Jean-Pierre Bienaimé - Chairman, IREST

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Panel Discussion: 5G Site Deployment & Industry Collaboration

11:30 - 11:50

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Dimitris Mavrakis - Research Director, ABI Research

Michael Martin - Director Radio, Transport & Service Management, Sunrise

Sangchul Lee - Standing Advisor, LG Uplus & LG Group

Mohamed Madkour - VP of Wireless & Cloud Core Network Marketing & Solution Sales Dept, Huawei

Kieron Osmotherly - Founder & CEO, TowerXchange

Lance Taylor - Senior Manager, Wireless Access Planning, Bell Mobility

Evolution of real-time machine learning (RTML) in core network security and anti-fraud into 5G and new services

11:40 - 12:00

5G Security by Design Workshop

Participants

Ilia Abramov - VP and General Manager, Security Business Unit, Mavenir

5G standards update: Where are we right now?

11:50 - 12:10

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

- Is 5G phase 1 already complete?
- Is 5G phase 2 on target for 2020?
- Is 5G ready for deployment?
- Is 5G a global standard?
- Is 5G secure

Participants

Adrian Scrase - CTO, ETSI

Huawei 5G Ultra-Lean Site Enables commercialization

11:50 - 12:10

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Geng Fei - VP of Wireless & Cloud Core Network Marketing & Solution Sales Department, Huawei

Panel: The next-wave of security needs: IoT, 5G, edge, NFV and A.I.

12:00 - 12:30

5G Security by Design Workshop

- Best in class technologies supporting improved identification and mitigation
- Applying behavioural analytics to identify and block attacks
- Using the networks end-points as detection spots
- Applying AI and automation to monitor the attack surface
- What are the network slicing security implications?

Participants

Moderator: Paul Bradley - Managing Director, DigitalTrans4m and Senior Product Marketing Manager, TMForum

Peter Clemons - Founder, Quixoticity

Mike Stacey - Chief Technology and Innovation Officer, Imagine Communications Group

Yasir Liaquatullah - VP Products, A10 Networks

Update on 5G deployment in Japan

12:10 - 12:30

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

- 5G deployment plan
- 5G spectrum allocation in Japan
- NTT DOCOMO activities for 5G service creation
- Views on 5G evolution

Participants

Takehiro Nakamura - VP of 5G R&D, NTT DOCOMO

Buffet Lunch & Networking & Booth Visit

12:10 - 14:00

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Networking and lunch break

12:30 - 13:30

Innovation in 5G Standards, Regulation & Spectrum Workshop (Room: Platinum 6)

Networking and lunch break

12:30 - 13:30

5G Security by Design Workshop

Containers to deploy carrier grade 5G Core

13:00 - 13:30

Fast Path to 5G Core Workshop - Hosted by Metaswitch (Room: Platinum 6)

Rapid adoption of Kubernetes by public clouds and enterprises will simplify deployment, provide flexibility and enable service delivery over 5G networks. You will learn how a carrier grade 5G Core will be deployed on containers.

Participants

Richard Hewitt - Director of Product Management, Metaswitch

Dealing with the IoT threats

13:30 - 13:50

5G Security by Design Workshop

- Dealing with the increasing volume and complexity of network-connected devices
- Achieving multiple layers of security: hardware, software, in-transit data, storage, network, application, etc
- Establishing industry wide standards for safe and secure M2M communications and IoT product development
- How is the terminal/device model changing when machines and sensors connect?

Participants

David Mudd - Global Digital & Connected Product Certification Director, British Standards Institution

Direct path to 5G Core for eMBB

13:30 - 14:00

Fast Path to 5G Core Workshop - Hosted by Metaswitch (Room: Platinum 6)

The 5G industry to date has largely been focused on New Radio (NR) characteristics, but to implement many of the 5G use cases, a Next Gen Core (NGC) with new capabilities is also required. In this session, we'll explore both the standard industry and hybrid options for moving quickly to a NGC.

Participants

Doug Benson - Dir 5G PLM, Metaswitch

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Signaling Security and Fraud Challenges with 5G

13:50 - 14:10

5G Security by Design Workshop

- Overview of 5G Security Enhancements
- Progress on Open Issues for 5G Security
- Real-Time Fraud and Signaling Security
- Risks with Coexistence 2G/3G/4G Networks

Participants

Pieter Veenstra - Senior Manager Product Development – Security and Routing, NetNumber

Networking and Refreshment Break

14:00 - 14:30

Fast Path to 5G Core Workshop - Hosted by Metaswitch (Room: Platinum 6)

5G Deployment Round Table

14:00 - 15:30

Global 5G Ultra-Lean Site Forum 2019 (Rooms Platinum 1 & 2)

Participants

Mohamed Madkour - VP of Wireless & Cloud Core Network Marketing & Solution Sales Dept, Huawei

Signaling in 5G and backwards compatibility to LTE

14:10 - 14:30

5G Security by Design Workshop

Participants

Ditri Trio - Mobile Solutions Director, Infradata

Networking and Refreshment Break

14:30 - 15:00

5G Security by Design Workshop

Demonstration of a live 5G Core

14:30 - 15:00

Fast Path to 5G Core Workshop - Hosted by Metaswitch (Room: Platinum 6)

Live showcase of 5G core running on containers with real-time instantiation, tracing and performance

Participants

Raj Parmanand - Director, Systems Engineering EMEA, Metaswitch

Panel: Privacy in 5G networks

15:00 - 15:30

5G Security by Design Workshop

- How does 5G enable confidentiality and user privacy?
- How is multi-context security bringing in additional levels of encryption?
- Balancing privacy concerns with the need to generate and monetise big data derived from 5G applications

Participants

Moderator: Paul Bradley - Managing Director, DigitalTrans4m and Senior Product Marketing Manager, TMForum

Maria Bada - Research Associate, Cambridge Cybercrime Centre, University of Cambridge

Dr. Ashutosh Dutta - Co-Chair, IEEE Future Networks Initiative

Service Delivery on Edge Clouds

15:00 - 15:30

Fast Path to 5G Core Workshop - Hosted by Metaswitch (Room: Platinum 6)

The edge cloud is a new frontier for network function virtualization. Much smaller in scale than centralized data centers, and with a far greater focus on user plane workloads, the edge cloud needs a new approach to virtualization in order to support the full range of 5G services cost-effectively. In this session, we explore how to optimize edge cloud architecture for 5G service delivery based on cloud native principles.

Participants

Martin Taylor - CTO, Metaswitch

The threat horizon for 5G and cloud

15:30 - 15:50

5G Security by Design Workshop

- Highlighting the common root causes for cyber security breaches
- Steps for embedding organisational resilience into organisational structures
- Measuring an organisation's state of maturity against cyber security capabilities

Participants

Steve Durbin - Managing Director, Information Security Forum

Q&A Panel

15:30 - 16:00

Fast Path to 5G Core Workshop - Hosted by Metaswitch (Room: Platinum 6)

Securing beyond the perimeter - Hardening 5G networks

15:50 - 16:10

5G Security by Design Workshop

Participants

Greig Paul - Lead Mobile Networks & Security Engineer, University of Strathclyde (Part of 5G RuralFirst)

Close of the Workshop

16:00 - 16:05

Fast Path to 5G Core Workshop - Hosted by Metaswitch (Room: Platinum 6)

Close of the 5G Security by Design Workshop

16:10 - 16:15

5G Security by Design Workshop

SCHEDULE

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TIME	5G SECURITY BY DESIGN WORKSHOP	FAST PATH TO 5G CORE WORKSHOP - HOSTED BY METASWITCH (ROOM: PLATINUM 6)	GLOBAL 5G ULTRA-LEAN SITE FORUM 2019 (ROOMS PLATINUM 1 & 2)	INNOVATION IN 5G STANDARDS, REGULATION & SPECTRUM WORKSHOP (ROOM: PLATINUM 6)
09:00	<p>09:20 - Chair's Opening Remarks</p> <p>09:30 - Reviewing the 5G Security Challenges</p> <p>09:50 - Mitigating threats in 5G and the evolving architectures</p>		<p>09:00 - Welcome Speech</p> <p>09:10 - Organisations sharing progress in standards</p> <p>09:30 - Market updates & challenges of 5G site deployment</p> <p>09:50 - New Value of 5G</p>	<p>09:00 - Chair's opening remarks</p> <p>09:10 - Reviewing global best practice in 5G spectrum allocation</p> <p>09:30 - Delivering capacity and enabling innovation in the mmWave bands through a forward-looking authorisation regime</p> <p>09:50 - A standards and spectrum update from 5G IA</p>
10:00	<p>10:10 - Re-thinking data management and security for the 5G era</p> <p>10:30 - Creating an end-to-end chain of trust in 5G networks through advanced 5G security</p> <p>10:50 - Networking break</p>		<p>10:10 - 3UK 5G Strategy, plans and challenges</p> <p>10:30 - Coffee break & booth visit</p> <p>10:50 - Sunrise's 5G site deployment in 5G era</p>	<p>10:10 - Creating the spectrum and regulatory landscape that enables a wide 5G enterprise uptake</p> <p>10:20 - Panel Deep dive session: The licensed vs unlicensed spectrum debate</p> <p>10:50 - Networking break</p>
11:00	<p>11:20 - Preparing for the 5G era at Orange</p> <p>11:40 - Evolution of real-time machine learning (RTML) in core network security and anti-fraud into 5G and new services</p>		<p>11:10 - New co-operation model between towercos, MNOs and vendors for 5G</p> <p>11:30 - Panel Discussion: 5G Site Deployment & Industry Collaboration</p> <p>11:50 - Huawei 5G Ultra-Lean Site Enables commercialization</p>	<p>11:10 - The first industry-neutral SD-WAN service standards and certification</p> <p>11:30 - Standards and spectrum recommendations</p> <p>11:50 - 5G standards update: Where are we right now?</p>
12:00	<p>12:00 - Panel: The next-wave of security needs: IoT, 5G, edge, NFV and A.I.</p> <p>12:30 - Networking and lunch break</p>		<p>12:10 - Buffet Lunch & Networking & Booth Visit</p>	<p>12:10 - Update on 5G deployment in Japan</p> <p>12:30 - Networking and lunch break</p>
13:00	<p>13:30 - Dealing with the IoT threats</p> <p>13:50 - Signaling Security and Fraud Challenges with 5G</p>	<p>13:00 - Containers to deploy carrier grade 5G Core</p> <p>13:30 - Direct path to 5G Core for eMBB</p>		

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TIME	5G SECURITY BY DESIGN WORKSHOP	FAST PATH TO 5G CORE WORKSHOP - HOSTED BY METASWITCH (ROOM: PLATINUM 6)	GLOBAL 5G ULTRA-LEAN SITE FORUM 2019 (ROOMS PLATINUM 1 & 2)	INNOVATION IN 5G STANDARDS, REGULATION & SPECTRUM WORKSHOP (ROOM: PLATINUM 6)
14:00	14:10 - Signaling in 5G and backwards compatibility to LTE 14:30 - Networking and Refreshment Break	14:00 - Networking and Refreshment Break 14:30 - Demonstration of a live 5G Core	14:00 - 5G Deployment Round Table	
15:00	15:00 - Panel: Privacy in 5G networks 15:30 - The threat horizon for 5G and cloud 15:50 - Securing beyond the perimeter - Hardening 5G networks	15:00 - Service Delivery on Edge Clouds 15:30 - Q&A Panel		
16:00	16:10 - Close of the 5G Security by Design Workshop	16:00 - Close of the Workshop		

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Chair's Opening Remarks

08:45 - 09:00

5G World Keynotes - Premium content

Participants

Ray Le Maistre - Editor in Chief, Light Reading

Analyst intro: Global state of play of 5G and expectations for the next 24 months

09:00 - 09:15

5G World Keynotes - Premium content

- Reviewing the global operator 5G test and trials scene
- Analysing trends in Telco 5G technology approaches
- The road ahead from WRC
- Standards and Release 16 expectations
- 5G enabled devices and smartphones; what are the roll out and uptake expectations?

Participants

Dario Talmesio - Principal Analyst & Practice Leader, Ovum

5G Commercialisation and beyond

09:15 - 09:35

5G World Keynotes - Premium content

- Open the 5G era: World's first 5G commercialisation
- SK Telecom's differentiated 5G infrastructure & services
- 5G trial activities

Participants

Takki Yu - Senior Director, Head of AN Development Team, SK

Ministerial Keynote Address

09:35 - 09:50

5G World Keynotes - Premium content

Participants

The Rt Hon Jeremy Wright MP - Secretary of State for Digital, Culture, Media and Sport, Department for Culture, Media and Sport

CxO Panel: The 5G realisation beyond first deployments

09:50 - 10:20

5G World Keynotes - Premium content

- Beyond home broadband
- 5G smartphones and expected consumer uptake
- Learnings from innovations in global regulatory frameworks
- What are the market tools that will unlock innovation?
- Anticipating the technologies that will change network services forever

Participants

Moderator: Karim Taga - Managing Partner, Arthur D. Little

Ronan Dunne - Executive VP and President of Verizon Wireless, Verizon

Arnaud Vamparys - SVP Radio Networks, Orange

David Lynn - Chief Executive Officer and President, Viacom International Media Networks

Operator-driven curated open source towards 5G

10:10 - 10:30

ONF Workshop: Realising the 5G cloud with open source, virtualization and SDN - Free content (Partner Stage)

Participants

Timon Sloane - VP Marketing & Ecosystem, ONF

Networking break & exhibition visit

10:20 - 11:10

5G World Keynotes - Premium content

Open mobile evolved core (OMEC) and its evolution towards 5G and cloud native

10:30 - 10:50

ONF Workshop: Realising the 5G cloud with open source, virtualization and SDN - Free content (Partner Stage)

Participants

Christian Maciocco - Principal Engineer, Director Telecom Systems Research, Intel

Open source EPC – Operators' journey towards the cloud native ONF-based telco core

10:50 - 11:10

ONF Workshop: Realising the 5G cloud with open source, virtualization and SDN - Free content (Partner Stage)

Participants

Michal Sewera - Head of EPC Shared Service Center, T-Mobile Poland

Chair's Opening Remarks

11:00 - 11:20

Here & Now - Free content (Demo Zone Theatre)

Participants

Guy Redmill - Managing Director, Redmill Communications, UK

Unleashing the potential of 5G

11:10 - 11:30

5G World Keynotes - Premium content

- 5G becomes a reality: Experience from first 5G markets
- Startups and prototyping: A co-creationist approach to bring 5G experiences to life
- The Edge is here: Building the edge ecosystem for the creation and delivery of truly immersive experiences
- Challenges and opportunities: Enabling new services towards verticals on 5G and Edge

Participants

Alexander Lautz - Senior Vice President 5G, Deutsche Telekom Group

Disaggregated RAN with open interfaces and slicing

11:10 - 11:30

ONF Workshop: Realising the 5G cloud with open source, virtualization and SDN - Free content (Partner Stage)

Participants

Arda Akman - Director of Wireless Access, Netsia & Turk Telekom

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Optimising the implementation and integration of channel coding

11:20 - 11:40

Here & Now - Free content (Demo Zone Theatre)

Moving from 5G reference designs to commercial implementation.

- It's not all just about throughput, latency matters
- Maintaining high BLER performance
- Managing the Memory interfaces

Participants

Robert Maunder - CTO, Accelercomm

5G adoption acceleration

11:30 - 11:50

5G World Keynotes - Premium content

- Rethinking your network architecture
- Bringing in an accelerated speed of change
- Virtualisation at the heart of your 5G preparation

Participants

George Tsirtsis - Senior Director of Technology, Qualcomm

Open platform for the 5G edge cloud supporting multiple access technologies and multi cloud connectivity

11:30 - 11:50

ONF Workshop: Realising the 5G cloud with open source, virtualization and SDN - Free content (Partner Stage)

Participants

Timon Sloane - VP Marketing & Ecosystem, ONF

Chairman's Opening remarks and market review: Is the automotive industry truly a driver for 5G?

11:40 - 12:00

5G Enabled Transportation - Free content (Expo Stage)

- Reviewing the state of play of 5G and autonomous vehicles
- What are the in-vehicle infotainment opportunities of 5G?
- Operators betting on smart cars
- Will consumers pay for smart vehicles?

Participants

Alan Hadden - Consultant and former President of the GSA, Hadden Telecoms

Intelligent Automation Trends for Telecommunications

11:40 - 12:00

Here & Now - Free content (Demo Zone Theatre)

- Navigating the technologies in automation to understand opportunities
- Applying Robotics Process Automation (RPA) and the Intelligent Digital Workforce to Telecom
- View of RPA and AI as technology levers to offload manual or repetitive work
- How to drive improve the customer experience and drive business results
- Real world examples and specific Telecom use cases

Participants

Heidi Hattendorf - Sr. Director & Global Industry Lead - Telecom & Media, Automation Anywhere

CTO Panel: Realising the new, distributed and dynamic value architecture

11:50 - 12:20

5G World Keynotes - Premium content

- Building a smart network fabric on top of devices, sensors and the cloud
- Should Operators share the 5G network costs?
- Re-examining the network architecture and reliability - Is it built for 5G?
- Digitising and automating processes to cut down deployment time and costs
- Securing access to critical 5G resources; fibre, towers and street furniture
- Working closely with regulatory authorities and developing a spectrum strategy
- Shutting down 2G & 3G and what are the timelines?
- What role will LTE play in the next 10 years?

Participants

Moderator: Gabriel Brown - Principal Analyst, Heavy Reading

Ibrahim Gedeon - CTO, TELUS

Brendan O'Reilly - CTO, O2

Yogesh Malik - Group CTO, VEON

Panel: Open Source and 5G: Where are we today? Where do we want to go? What are the opportunities, and challenges on the road towards deployment?

11:50 - 12:20

ONF Workshop: Realising the 5G cloud with open source, virtualization and SDN - Free content (Partner Stage)

Participants

Moderator: Timon Sloane - VP Marketing & Ecosystem, ONF

Simon Saunders - ONF COMAC Project RDT Member, Open Networking Foundation

Michal Sewera - Head of EPC Shared Service Center, T-Mobile Poland

Christian Maciocco - Principal Engineer, Director Telecom Systems Research, Intel

Arda Akman - Director of Wireless Access, Netsia & Turk Telekom

Panel: 5G for a connected traffic & management

12:00 - 12:30

5G Enabled Transportation - Free content (Expo Stage)

- What are the grounds of collaboration between road authorities, telcos, car manufactures and more?
- What are the data, edge, networking or other supporting technologies to achieve a safe transition to smart mobility?
- Reviewing the network and spectrum requirements

Participants

Moderator: Alan Hadden - Consultant and former President of the GSA, Hadden Telecoms

Rudi Strobbe - Innovation Manager (Lead), AXA Belgium

Akos Bona - Digital Champion of Hungary and Member of the Digital Skills and Jobs EU Coalition, European Commission and Member of Board of Directors, Digital Future Foundation

Design and planning for 5G with propagation modelling

12:00 - 12:20

Here & Now - Free content (Demo Zone Theatre)

- Studies based on 1000s of measurements in 3.5, 28, and 39 GHz
- Key learnings from RF propagation modeling studies
- Assuring applications in 5G network design

Participants

Burak Berksoy - Director, Mobile Access Services, Netscout

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Keynote: OpenRAN and 5G network economics

12:20 - 12:40

5G World Keynotes - Premium content

- Why/how OpenRAN
- Moving the network to the edge
- Essential ingredients of a successful 5G business case

Participants

John Baker - SVP, Business Development, Mavenir

Networking and refreshment break

12:20 - 13:20

Here & Now - Free content (Demo Zone Theatre)

The 5G AutoAir Testbed

12:30 - 12:50

5G Enabled Transportation - Free content (Expo Stage)

- Validating and developing connected and autonomous vehicles (CAVs) in the UK
- Real time monitoring and controlling of infotainment, cyber security and network location trials
- Evaluating the use of 5G small cells will operate in sub-6GHz as well as millimetre wave spectrum bands

Participants

Simon Fletcher - CTO, Real Wireless

Networking break & exhibition visit

12:40 - 13:45

5G World Keynotes - Premium content

Analyst lunch briefing: Be part of the game – the impact 5G will have on sport

12:45 - 13:45

Analyst Lunch Briefing - Invitation only (Track 4)

Julian Bright, Ovum's Chief Analyst, shares the latest research on 5G consumer and entertainment use cases and the opportunities enabled by the transition to 5G cellular networks. Julian's presentation reviews existing and future use cases across the consumer and entertainment ecosystem. He will share the findings from a recently completed project conducted for Amdocs on the opportunities arising from the application of 5G networking to sports and esports: based on in-depth interviews with CXO-level executives at the leading 5G network operators globally, the study reveals how operators are looking to broaden and deepen the ways in which they engage with large scale sports and esports events and the role 5G is playing in realizing both their technical and commercial objectives for the most significant technology transition of the coming decade.

Following Julian's presentation, Yosi Mor Yosef will walk through some 5G UC related to sports and esports through an interactive session of some of the practical aspect of enabling 5G in the network, operations and business support systems. This will include a demo that describes the different steps in a 5G service lifecycle covering service design, network slicing orchestration, automated operations and advanced monetization.

Lunch will be served

Participants

Julian Bright - Senior Analyst, Intelligent Networks, Ovum

Yosi Mor Yosef - Open Network Product and Solutions Marketing Director, Amdocs

Tzvika Naveh - Product and Solutions Marketing Director, Amdocs

Break

12:50 - 14:00

5G Enabled Transportation - Free content (Expo Stage)

The Business of 5G

13:00 - 13:40

Telecoms & Tech Academy Workshop - Free content (Partner Stage)

- 5G technology changing the 4G business environment
- Emerging trends and 5G as an enabler
- Considerations for IoT

Participants

Neil Wiffen - Principal Technical Consultant, Red Banana Wireless

Chairman's Remarks

14:00 - 14:05

Network Economics & Transformation - Premium content (Track 1)

Participants

Stéphane Teral - Executive Director – Research and Analysis, Mobile Infrastructure & Carrier Economics, IHS Markit

Chair's Remarks

14:00 - 14:05

Network as a Service- Premium content (Track 2)

Participants

Dario Talmesio - Principal Analyst & Practice Leader, Ovum

Chair's Remarks

14:00 - 14:05

Virtualisation & the 5G Cloud - Premium content (Track 3)

Participants

Julian Bright - Senior Analyst, Intelligent Networks, Ovum

Chair's Remarks

14:00 - 14:05

5G Transport, Slicing & MEC - Premium content (Track 4)

Participants

Thomas Magedanz - Director of NGNI, Business Unit NGNI, Fraunhofer FOKUS

Making vehicles smarter, safer while improving the driving experience with C-V2X

14:00 - 14:20

5G Enabled Transportation - Free content (Expo Stage)

- LTE, 5G and C-V2X
- Supporting short and long range transmissions between vehicles and roadside infrastructure
- Reviewing the C-V2X transmission modes; employing conventional networks and working independently of cellular networks

Participants

Maxime Flament - CTO, 5GAA

SESSIONS

DAY 1 - 12/06/2019

5G World Summit

Workshops & Conference: 11 - 13 June 2019

Exhibition: 12 - 13 June 2019

ExCeL, London

5G and AI

14:00 - 15:00

LeadersIn 5G Summits - Invite only (LeadersIn Boardroom)

Participants

Dimitris Mavrakis - Research Director, ABI Research

5G innovation in the United Arab Emirates

14:00 - 14:20

Here & Now - Free content (Demo Zone Theatre)

Participants

Ayman Elnashar - VP & Head of Technology Planning - ICT & Cloud, du

5G. The story so far. What have we learned from the launches in the US, Asia and Europe?

14:00 - 14:40

Telecoms & Tech Academy Workshop - Free content (Partner Stage)

- Pricing strategies. How real are the initial 5G price plans? Are they sustainable and will they drive take up?
- How do early 5G devices measure up?
- Fixed wireless access: is 5G the real deal?
- B2B: not quite ready yet

Participants

Carlos De Lima - Networking Specialist Trainer & Consulting Architect, Generation Next Services

Vodafone's network evolution strategy

14:05 - 14:25

Network Economics & Transformation - Premium content (Track 1)

Participants

Andrea Dona - Head of Networks, Vodafone UK

The 5G opportunity: driving innovation in manufacturing

14:05 - 14:35

Network as a Service- Premium content (Track 2)

- The 5G opportunity: driving innovation in manufacturing
- Building the blueprint for the 5G ecosystem
- 5G in action: The Worcester Bosch use case
- Building the infrastructure of the future

Participants

Carl Arntzen - CEO, Worcester Bosch

Mark Stansfeld - Chair, Worcestershire Local Enterprise Partnership and GiffGaff

Can 5G exist without virtualised networks?

14:05 - 14:25

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Creating the ability to adapt to the dynamic nature of mobile traffic
- What are the transformation timelines the industry should be looking at for virtualisation and cloudification?
- What are the next steps after virtualisation?
- Will public cloud rise soon?

Participants

Alain Guigui - 5G Architect, Communications and Media Solutions, Hewlett Packard Enterprise

Operator Highlight: Viva Kuwait's 5G large scale deployment story

14:05 - 14:35

5G Transport, Slicing & MEC - Premium content (Track 4)

- When should you start looking at transport network updates?
- Reviewing key technologies selections and operating model choices
- Key elements impacting the 5G business case

Participants

Zarrar Khan - Chief Technology Officer, Viva Kuwait

Panel: Infotainment for the mobility industry

14:20 - 14:50

5G Enabled Transportation - Free content (Expo Stage)

- What can the train, car and airport industries learn from each other?
- The passenger metamorphosis to the data consumer
- What infotainment opportunities will 5G bring?
- Network slicing for the mobility industry

Participants

Moderator: Alan Hadden - Consultant and former President of the GSA, Hadden Telecoms

Usman Javaid - Director of Digital Products and Solutions and Group Head, Vodafone Group

Brian Waterfield - Digital Manufacturing Manager, Jaguar LandRover

Andrew Faiola - Global Network and Services Policy, ESOA

3D geodata maps: New ways to overcome planning challenges

14:20 - 14:40

Here & Now - Free content (Demo Zone Theatre)

- How accurate 3D maps drive down costs
- Why large scale and extremely high resolution matter
- 5G, mmWave and Fixed Wireless Access opportunities
- The features you can't control unless you use 3D
- Takeaways from users' experiences

Participants

Assaad Al Skaff - Sales Director, Telecommunications & Wireless, Vricon

5G RAN Evolution

14:25 - 14:45

Network Economics & Transformation - Premium content (Track 1)

- How can c-RAN help achieve the 5G vision?
- Creating a flexible infrastructure that supports the increasingly heterogenous RANs

Participants

Paul Gowans - Wireless Strategy Director, VIAVI Solutions

Container based 5G networks virtualisation to maximise efficiency and agility

14:25 - 14:45

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Deploying 5G Core control and user plane on containers
- How does the ecosystem change after virtualization containerization?
- Orchestration to the edge and multi-tenancy
- Accelerating service delivery on edge clouds
- Have we reached the era of API first?

Participants

Martin Taylor - CTO, Metaswitch

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Operator highlight: Operators as the true enablers of smart cities

14:35 - 14:55

Network as a Service- Premium content (Track 2)

- Reviewing business models that place the Telco at the heart of a smart city
- Winning strategies and collaborations that will accelerate an Operator's role in the smart city ecosystem

Participants

Joao Ricardo Moreira - Head of Corporate, NOS

Embarking on the journey to 5G

14:35 - 14:55

5G Transport, Slicing & MEC - Premium content (Track 4)

- How operators can transform their networks today to support 5G services tomorrow
- The importance of a software-defined signaling core
- Recommendations for moving to virtualized infrastructure and use of data and analytics to secure the signaling core

Participants

Steve Legge - Chief Operating Officer, NetNumber

Break

14:40 - 15:50

Here & Now - Free content (Demo Zone Theatre)

5G: If you're gonna do it, do it right

14:45 - 15:05

Network Economics & Transformation - Premium content (Track 1)

- Key factors to consider, including:
1. 4G – physical/virtual – and fibre network infrastructure
 2. Analytics and automation
- Lessons from network operators
 - The approach to follow

Participants

Konstantinos Stavropoulos - Solution Marketing Lead, EXFO

Panel: The Journey to Cloud-Native

14:45 - 15:15

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Should cloud-native be the goal for 5G operators?
- Reviewing technologies, processes and models that need to change on the journey to cloud-native
- What are the challenges CSPs can expect along the way
- Expected benefits Operators can achieve at each Cloud-Native step

Participants

Moderator: Julian Bright - Senior Analyst, Intelligent Networks, Ovum

Timon Sloane - VP Marketing & Ecosystem, ONF

Lee Hines - Chief Strategist, Communications & Media Solutions, Hewlett Packard Enterprise

Roni Saban - VP Marketing, ASOCS

Andrea Calvi - Head of Network Innovation, Telecom Italia

Networking break & exhibition visit

14:50 - 15:20

5G Enabled Transportation - Free content (Expo Stage)

Fireside chat: The role of 5G in Orange's Digital Innovation

14:55 - 15:15

Network as a Service- Premium content (Track 2)

Participants

Interviewee: Patrice Slupowski - Vice-President Digital Innovation, Orange

Interviewer: Renato Andrade - Independent MVNO consultant, Acqua Telecom

5G Security

14:55 - 15:15

5G Transport, Slicing & MEC - Premium content (Track 4)

Participants

Yasir Liaquatullah - VP Products, A10 Networks

Understanding 5G Technologies

15:00 - 15:40

Telecoms & Tech Academy Workshop - Free content (Partner Stage)

- Architecture Essentials
- Service Provision
- Expanding the access network
- Shifting the core

Participants

Neil Wiffen - Principal Technical Consultant, Red Banana Wireless

Networking break & exhibition visit

15:05 - 16:10

Network Economics & Transformation - Premium content (Track 1)

Delivering the Digital Dividend - the EUR 200bn free-cash-flow opportunity for telcos

15:10 - 16:10

LeadersIn 5G Summits - Invite only (LeadersIn Boardroom)

Participants

Karim Taga - Managing Partner, Arthur D. Little

Networking break & exhibition visit

15:15 - 16:10

Network as a Service- Premium content (Track 2)

Networking break & exhibition visit

15:15 - 16:10

Virtualisation & the 5G Cloud - Premium content (Track 3)

Networking break & exhibition visit

15:15 - 16:10

5G Transport, Slicing & MEC - Premium content (Track 4)

KPN's Automotive Helmond Project

15:20 - 15:40

5G Enabled Transportation - Free content (Expo Stage)

Participants

Jos Beriere - Strategic Programme Manager, KPN

Getting connected - Building 5G networks for mobility

15:40 - 16:00

5G Enabled Transportation - Free content (Expo Stage)

- Exploring challenges of connectivity for transportation, and solutions.
- Covering mass transport systems
- Delivering coverage without inefficient use of spectrum
- Keeping this secure enough for transportation

Participants

Greig Paul - Lead Mobile Networks & Security Engineer, University of Strathclyde (Part of 5G RuralFirst)

Capturing the FWA opportunity

15:50 - 16:10

Here & Now - Free content (Demo Zone Theatre)

- Successes and learnings from 4G FWA roll out and 5G FWA trials
- Enabling fibre-equivalent connectivity with new spectrum bands and radio innovations
- Steps towards faster move reliable FWA with 5G

Participants

Leo Lundy - Group CTO, Imagine Communications Group

5G Business Models

16:00 - 16:40

Telecoms & Tech Academy Workshop - Free content (Partner Stage)

- Revolution or evolution?
- Where do telcos sit in the value chain? Can they move up it?
- Network-as-a-service. What does this have to do with 5G?
- Platform? Ecosystem? Is this a realistic aspiration?
- Closer to the edge: telcos' secret sauce?
- Exploring the potential for private 5G wholesale and enterprise networks

Participants

Carlos De Lima - Networking Specialist Trainer & Consulting Architect, Generation Next Services

Panel: NSA vs SA

16:10 - 16:40

Network Economics & Transformation - Premium content (Track 1)

- Who is standalone 5G NR really for?
- Reviewing trials using NSA and SA
- Expectations for the arrival of NSA compatible devices
- How O-RAN can support SA roll out

Participants

Moderator: Stéphane Teral - Executive Director – Research and Analysis, Mobile Infrastructure & Carrier Economics, IHS Markit

Rémi Thomas - Director of the Technical Strategy, Orange Group

Tommy Bjorkberg - Director, CTO Group, ZTE

Neeraj Pandey - VP Network Engineering & Delivery, Vodafone

Tanguy Popeler - Head of Technology Strategy, Proximus

FWA as an economic alternative to address network densification

16:10 - 16:30

Network as a Service- Premium content (Track 2)

- What is the broadband connectivity proposition for consumers and enterprises?
- FWA as cost effective network deployment solution
- FWA; complementing or competing with fibre?

Participants

Rosalind Singleton - Managing Director, UK Broadband

Empowering private and public 5G for venues

16:10 - 16:30

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Open the floodgates – what it takes to change the game for mobile capacity in venues
- Virtualization is key – how cloudification will radically change the economics
- The transparent path - enabling end users' powerful capacity transparently requires a thoughtful architecture
- mmWave Inbuilding? – most mobile usage is indoors; this is best place to go first!
- How the U.S. CBRS approach to spectrum licensing is opening new doors for private wireless networks
- Where is the Edge – distribution of the edge of the network is the new model, where is the edge and why does it create new opportunities for operators and venues.

Participants

Todd Landry - Corporate Vice President, Product and Market Strategy, JMA Wireless

Connectivity + Computing, 5G MEC builds a business enablement platform

16:10 - 16:30

5G Transport, Slicing & MEC - Premium content (Track 4)

- 5G services put forward new requirements for guarantee experience under ultra-low latency, high bandwidth and high speed mobility

- 2.5G MEC enables rich industry applications with its connectivity + computing while best-matching it with edge capabilities

• On-demand computing power based on heterogeneous hardware

• One-stop 5G MEC, plug and play

• Cloud, Network and Edge collaborative management capabilities

• Open MEC platform

- 5G MEC enables smart parks, smart ports, smart traffic and other scenarios

- The MEC ecosystem requires the joint promotion of standard organizations, industry alliances, vendors and industries.

Participants

Jason (Dongming) Yin - Chief Specialist of 5G Core Marketing, Huawei

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Delivering 5G - The system integrator perspective

16:10 - 16:30

Here & Now - Free content (Demo Zone Theatre)

AWTG's presentation will focus on our experience of the practical challenges of delivering 5G within a live manufacturing environment with key learnings from the phase 1 DCMS testbeds and trials programme.

Participants

Muqud Ali - Head of European Operations, AWTG

5G and the enterprise opportunity

16:20 - 17:20

LeadersIn 5G Summits - Invite only (LeadersIn Boardroom)

Participants

Alexander Harrowell - Senior Analyst, SoHo and SME, IT and Telecoms, Ovum

Panel: Reviewing the FWA value proposition in developed, rural and developing markets

16:30 - 17:10

Network as a Service- Premium content (Track 2)

- Competing profitably against wired incumbents
- Maximising spectral utilisation with FWA
- Monetising the rural connectivity opportunity
- 5G, FWA, satellites and mission critical communications
- Leveraging LTE and 5G NR networks for FWA

Participants

Dario Talmesio - Principal Analyst & Practice Leader, Ovum

Filip Banković - CTO, Telekom Srbija

Els Baert - Director of Marketing and Communications, NetComm

Thijs van Lieshout - Director Strategy & Corporate Development, Liberty Global

Klaus Moschner - Executive Programme Manager, NGMN Alliance

Rahul Garg - Head- Network Services Practice, Tata Communications Transformation Services (TCTS)

TIM's Cloud Native 5G Core and 5G RAN

16:30 - 16:50

Virtualisation & the 5G Cloud - Premium content (Track 3)

Participants

Andrea Calvi - Head of Network Innovation, Telecom Italia

A practical implementation view on 5G – uncovering the hidden operational costs on Power Consumption

16:30 - 16:50

5G Transport, Slicing & MEC - Premium content (Track 4)

- Common to all new technologies roll outs, new hardware integrated is expected to be more power efficient and reduce operational costs;
- However when equipment is in the field, Mobile Operators watch surprisingly their electricity bills increase, contrary to expectations;
- We'll dive in how power consumption has increased in the previous roll outs as well as network infrastructure modernizations and how 5G will impact power consumption in the future;
- CELFINET has developed extensive work on power consumption and guidelines will be presented to reverse the power consumption increase, across multiple technologies.

Participants

Henry McDonnell - Business Development Director, Celfinet

5G: Beyond the speed - With great speed comes great power

16:40 - 17:00

Network Economics & Transformation - Premium content (Track 1)

5G will pave the way for new ideas and uses in areas like remote robotic surgeries, autonomous mobility, virtual gaming, smart manufacturing, and consumer wearables to say the least – each presenting a unique challenge and new revenue opportunities in every industry.

In this session, we will discuss:

- How 5G will enable new experiences, but what does it take to pull it together? What will be the technical and application requirements?
- Key take-a-ways from our customers (Vintage Power and BMW ReachNow) as they embark on the IoT economy.
- More devices, more applications - what role will data science and data engineering play improving network efficiency and the user experience?

Participants

Jeffrey Thompson - Senior Director, Digital Enterprise, Luxoft

James Hopson - Product Line Manager,, Luxoft

David Wisely - Researcher in 5G, 5G Innovation Centre Surrey University and Chief Mobile Strategist, BT

Dr. Graham Hili - Automotive Lead, Luxoft

Increasing network flexibility with vEPC

16:50 - 17:10

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Reducing time to market for new services
- Providing a large number of applications and services with open APIs & data centre sharing

Participants

Jason Tu - Principal Scientist of NFV/SDN Products, ZTE

Building Britain's 5G Future: How SSE Enterprise Telecoms is an enabler to 5G

16:50 - 17:10

5G Transport, Slicing & MEC - Premium content (Track 4)

- What needs to happen to make 5G a reality?
- Challenges for a 5G future in the UK
- Making connectivity work in the UK
- A 5G partner for British MNOs

Participants

Sarah Mills - Sector Director for Network Operators, SSE Enterprise Telecoms

Top 10 Skills for Digital Leaders

16:50 - 17:30

Telecoms & Tech Academy Workshop - Free content (Partner Stage)

- What skills does a next generation Telecoms Executive need to succeed?
- Top skills in demand for tech leaders
- Resources for success

Participants

Carlos De Lima - Networking Specialist Trainer & Consulting Architect, Generation Next Services

Results and learnings from 5G NR field testing

17:00 - 17:20

Network Economics & Transformation - Premium content (Track 1)

- The 5G NR key technology components to be measured
- Propagation at sub6 and cm-/mm-wave spectrum
- Results from deployed 5G NR networks

Participants

Meik Kottkamp - Principal Technology Manager, Rohde & Schwarz

Turning the 5G network into an agile monetisation platform

17:10 - 17:30

Network as a Service- Premium content (Track 2)

5G promises a world of unprecedented speed and differentiated quality of service that has the potential to unleash a wide array of new services and business models. But, in order to maximize 5G monetization, service providers need to be fast to deploy, open to drive innovation, smart to efficiently orchestrate a dynamic network, and quick to capture every revenue opportunity. In this presentation we will explore the key system building blocks and the flow between them for agile and iterative 5G use-case monetization: where to start, how to design, how to enable, and most importantly what to change, in order to turn the promise of 5G into accelerated monetization.

Participants

Moshe Shimon - VP/Head of Product Management, NFV and OSS solutions, Amdocs

New Frontiers for Virtualization: Satellite and 5G

17:10 - 17:30

Virtualisation & the 5G Cloud - Premium content (Track 3)

- How satellite will play a key role in a fully virtualized 5G environment
- The satellite industry's virtualization journey
- SES Networks' path to virtualization

Participants

Karl Horne - VP, Telco/MNO Solutions, SES Networks

Enhancing user experience using 5G and Edge Computing

17:10 - 17:30

5G Transport, Slicing & MEC - Premium content (Track 4)

5G and Multi Access Edge Computing (MEC) have witnessed a lot of traction recently. The transformation of various industry verticals which 5G will enable will be discussed in the session. The enhancement and assured level of the user experience is fundamental to this transformation. With Ultra Reliable and Low Latency (URLLC) and assured high throughput (eMBB) becoming the norm, ensuring cost effective network implementation becomes a necessity for the Communication Service Providers to roll out the technology at scale. The transformation of Media and Entertainment industry with 5G Edge architecture will be discussed along with an example of Wipro's solution approach.

Participants

K R Sanjiv - Chief Technology Officer, Wipro

Panel: 5G RAN optimisation

17:20 - 17:50

Network Economics & Transformation - Premium content (Track 1)

- Improving operations, administration and maintenance with SON
- Extending the autonomous management vision to the end to end network
- Market drivers for SON adoption
- SON technology, use cases & implementation architectures
- Key trends in next gen LTE & 5G SON implementations

Participants

Moderator: Sue Rudd - Director Service Provider Analysis, Networks & Service Platforms (NSP), Strategy Analytics

Panellist: Chris Murphy - Director of Research, Location Intelligence, VIAVI Solutions

Panellist: Christian Kloch - Chief Network Architect, TDC

Panellist: Matti Passoja - Director Solution Marketing, Keysight Technologies

5G for the people

17:30 - 17:50

Network as a Service- Premium content (Track 2)

Sunrise is a 5G pioneer telcos and was the first to launch 5G in Europe.

- Rationale for 5G – for Sunrise, for its customers and for Switzerland
- Sunrise "First on 5G" launch (April 2019)
- Preliminary findings
- Beyond 5G launch, what's next?

Participants

Bruno Duarte - CCO, Sunrise Communications

Operator Highlight: How Swisscom brought 5G first to Europe

17:30 - 17:50

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Swisscom, Ericsson and Qualcomm Technologies achieved the first commercial launch of a 5G network in Europe
- The very first 5G smartphone, the OPPO Reno, is on sale since 1st of May 2019
- Swisscom will cover 90% of Switzerland already by the end of year
- In order to reach this milestone, several world first's where achieved beforehand

Participants

Patrick Weibel - Head of 5G Program, Swisscom

Panel: Multi-access Edge Computing in 5G

17:30 - 18:00

5G Transport, Slicing & MEC - Premium content (Track 4)

- The relevance of ETSI MEC in 5G
- Developing the edge computing ecosystem
- MEC as a slicing enabler
- Addressing the multi-vendor/network/access challenge

Participants

Thomas Magedanz - Director of NGNI, Business Unit NGNI, Fraunhofer FOKUS

Walter Featherstone - ISG MEC (Multi-access Edge Computing) WG DECODE Chairman, ETSI

Paul Bradley - Managing Director, DigitalTrans4m and Senior Product Marketing Manager, TMForum

Javan Erfanian - DMTS, Bell Canada & NGMN 5G Initiative

Keys to state-of-the-art 5G mmWave solutions

17:50 - 18:10

Network Economics & Transformation - Premium content (Track 1)

- Key considerations when selecting suitable RF technology
- Results from latest RF technology development
- Opportunities to address 5G mmWave untapped potential

Participants

Anders Storm - CEO, Sivars IMA

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Panel: The 5G Services that will make a difference

17:50 - 18:20

Network as a Service- Premium content (Track 2)

- What impact will services like FWA or eMBB have on the top and bottom lines of service provider financials?
- Where's the business case for 5G services?
- Which are the industries that will consume 5G first?

Participants

Sacha Dudler - General Manager - Corporate Performance and Strategy Execution, Saudi Telecom Group, (KSA)

Mila Milenkovic - Head of Digital Innovations and Applications, Telekom Srbija

Moderator: Dario Talmesio - Principal Analyst & Practice Leader, Ovum

Lindsay Notwell - Senior Vice President, 5G Strategy & Global Carrier Operations, Cradlepoint

SCHEDULE

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TIME	5G ENABLED TRANSPORTATION - FREE CONTENT (EXPO STAGE)	5G TRANSPORT, SLICING & MEC - PREMIUM CONTENT (TRACK 4)	5G WORLD KEYNOTES - PREMIUM CONTENT	ANALYST LUNCH BRIEFING - INVITATION ONLY (TRACK 4)	HERE & NOW - FREE CONTENT (DEMO ZONE THEATRE)	LEADERSIN 5G SUMMITS - INVITE ONLY (LEADERSIN BOARDROOM)	NETWORK ECONOMICS & TRANSFORMATION - PREMIUM CONTENT (TRACK 1)	NETWORK AS A SERVICE- PREMIUM CONTENT (TRACK 2)	ONF WORKSHOP: REALISING THE 5G CLOUD WITH OPEN SOURCE, VIRTUALIZATION AND SDN - FREE CONTENT (PARTNER STAGE)	TELECOMS & TECH ACADEMY WORKSHOP - FREE CONTENT (PARTNER STAGE)	VIRTUALISATION & THE 5G CLOUD - PREMIUM CONTENT (TRACK 3)
08:00			08:45 - Chair's Opening Remarks								
09:00			09:00 - Analyst intro: Global state of play of 5G and expectations for the next 24 months 09:15 - 5G Commercialisation and beyond 09:35 - Ministerial Keynote Address 09:50 - CxO Panel: The 5G realisation beyond first deployments								

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10:00			10:20 - Networking break & exhibition visit						<p>10:10 - Operator-driven curated open source towards 5G</p> <p>10:30 - Open mobile evolved core (OMEC) and its evolution towards 5G and cloud native</p> <p>10:50 - Open source EPC – Operators' journey towards the cloud native ONF-based telco core</p>		

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11:00	11:40 - Chairman's Opening remarks and market review: Is the automotive industry truly a driver for 5G?		11:10 - Unleashing the potential of 5G 11:30 - 5G adoption acceleration 11:50 - CTO Panel: Realising the new, distributed and dynamic value architecture		11:00 - Chair's Opening Remarks 11:20 - Optimising the implementation and integration of channel coding 11:40 - Intelligent Automation Trends for Telecommunications				11:10 - Disaggregated RAN with open interfaces and slicing 11:30 - Open platform for the 5G edge cloud supporting multiple access technologies and multi cloud connectivity 11:50 - Panel: Open Source and 5G: Where are we today? Where do we want to go? What are the opportunities, and challenges		

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Exhibition: 12 - 13 June 2019

ExCeL, London

TIME	5G ENABLED TRANSPORTATION - FREE CONTENT (EXPO STAGE)	5G TRANSPORT, SLICING & MEC - PREMIUM CONTENT (TRACK 4)	5G WORLD KEYNOTES - PREMIUM CONTENT	ANALYST LUNCH BRIEFING - INVITATION ONLY (TRACK 4)	HERE & NOW - FREE CONTENT (DEMO ZONE THEATRE)	LEADERSIN 5G SUMMITS - INVITE ONLY (LEADERSIN BOARDROOM)	NETWORK ECONOMICS & TRANSFORMATION - PREMIUM CONTENT (TRACK 1)	NETWORK AS A SERVICE- PREMIUM CONTENT (TRACK 2)	ONF WORKSHOP: REALISING THE 5G CLOUD WITH OPEN SOURCE, VIRTUALIZATION AND SDN - FREE CONTENT (PARTNER STAGE)	TELECOMS & TECH ACADEMY WORKSHOP - FREE CONTENT (PARTNER STAGE)	VIRTUALISATION & THE 5G CLOUD - PREMIUM CONTENT (TRACK 3)
									on the road towards deployment?		
12:00	<p>12:00 - Panel: 5G for a connected traffic & management</p> <p>12:30 - The 5G AutoAir Test-bed</p> <p>12:50 - Break</p>		<p>12:20 - Keynote: Open-RAN and 5G network economics</p> <p>12:40 - Networking break & exhibition visit</p>	<p>12:45 - Analyst lunch briefing: Be part of the game – the impact 5G will have on sport</p>	<p>12:00 - Design and planning for 5G with propagation modelling</p> <p>12:20 - Networking and refreshment break</p>						
13:00										13:00 - The Business of 5G	

SCHEDULE

DAY 1 - 12/06/2019

5G World Summit

Workshops & Conference: 11 - 13 June 2019

Exhibition: 12 - 13 June 2019

ExCeL, London

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14:00	<p>14:00 - Making vehicles smarter, safer while improving the driving experience with C-V2X</p> <p>14:20 - Panel: Infotainment for the mobility industry</p> <p>14:50 - Networking break & exhibition visit</p>	<p>14:00 - Chair's Remarks</p> <p>14:05 - Operator Highlight: Viva Kuwait's 5G large scale deployment story</p> <p>14:35 - Embarking on the journey to 5G</p> <p>14:55 - 5G Security</p>			<p>14:00 - 5G innovation in the United Arab Emirates</p> <p>14:20 - 3D geo-data maps: New ways to overcome planning challenges</p> <p>14:40 - Break</p>	<p>14:00 - 5G and AI</p>	<p>14:00 - Chairman's Remarks</p> <p>14:05 - Vodafone's network evolution strategy</p> <p>14:25 - 5G RAN Evolution</p> <p>14:45 - 5G: If you're gonna do it, do it right</p>	<p>14:00 - Chair's Remarks</p> <p>14:05 - The 5G opportunity: driving innovation in manufacturing</p> <p>14:35 - Operator highlight: Operators as the true enablers of smart cities</p> <p>14:55 - Fireside chat: The role of 5G in Orange's Digital Innovation</p>		<p>14:00 - 5G. The story so far. What have we learned from the launches in the US, Asia and Europe?</p>	<p>14:00 - Chair's Remarks</p> <p>14:05 - Can 5G exist without virtualised networks?</p> <p>14:25 - Container based 5G networks virtualisation to maximise efficiency and agility</p> <p>14:45 - Panel: The Journey to Cloud-Native</p>

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15:00	<p>15:20 - KPN's Automotive Helmond Project</p> <p>15:40 - Getting connected - Building 5G networks for mobility</p>	<p>15:15 - Networking break & exhibition visit</p>			<p>15:50 - Capturing the FWA opportunity</p>	<p>15:10 - Delivering the Digital Dividend - the EUR 200bn free-cash-flow opportunity for telcos</p>	<p>15:05 - Networking break & exhibition visit</p>	<p>15:15 - Networking break & exhibition visit</p>		<p>15:00 - Understanding 5G Technologies</p>	<p>15:15 - Networking break & exhibition visit</p>

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16:00		<p>16:10 - Connectivity + Computing, 5G MEC builds a business enablement platform</p> <p>16:30 - A practical implementation view on 5G – uncovering the hidden operational costs on Power Consumption</p> <p>16:50 - Building Britain's 5G Future: How SSE Enterprise Telecoms is an enabler to 5G</p>			<p>16:10 - Delivering 5G - The system integrator perspective</p>	<p>16:20 - 5G and the enterprise opportunity</p>	<p>16:10 - Panel: NSA vs SA</p> <p>16:40 - 5G: Beyond the speed - With great speed comes great power</p>	<p>16:10 - FWA as an economic alternative to address network densification</p> <p>16:30 - Panel: Reviewing the FWA value proposition in developed, rural and developing markets</p>	<p>16:00 - 5G Business Models</p> <p>16:50 - Top 10 Skills for Digital Leaders</p>	<p>16:10 - Empowering private and public 5G for venues</p> <p>16:30 - TIM's Cloud Native 5G Core and 5G RAN</p> <p>16:50 - Increasing network flexibility with vEPC</p>	

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17:00		<p>17:10 - Enhancing user experience using 5G and Edge Computing</p> <p>17:30 - Panel: Multi-access Edge Computing in 5G</p>					<p>17:00 - Results and learnings from 5G NR field testing</p> <p>17:20 - Panel: 5G RAN optimisation</p> <p>17:50 - Keys to state-of-the-art 5G mmWave solutions</p>	<p>17:10 - Turning the 5G network into an agile monetisation platform</p> <p>17:30 - 5G for the people</p> <p>17:50 - Panel: The 5G Services that will make a difference</p>			<p>17:10 - New Frontiers for Virtualization: Satellite and 5G</p> <p>17:30 - Operator Highlight: How Swisscom brought 5G first to Europe</p>

Chair's Opening Remarks

08:55 - 09:00

5G World Keynotes - Premium content

Participants

Mike Roberts - Research Director, Ovum

South Korea's journey to full 5G roll-out

09:00 - 09:20

5G World Keynotes - Premium content

Participants

Youngsoo Seo - SVP, Head of Regional Network O&M Headquarter, KT

Panel Session 1: Unlocking Opportunities via Satellite: Beyond the Backhaul Opportunity & Paradigm Shifting Integration with "the Network"

09:15 - 11:00

Cellular Backhaul 2019, Organised by the GVF - EMP Partnership - Free content (Partner Stage)

- LTE, 3G and 2G networks over satellite – What is the state of play today?
- Satellite backhaul: Pre-5G networks - An appraisal of 4G/LTE
- Satellite networks optimisation & IP cellular traffic
- Satellite in the core: Various system architectures & 5G
- Where will satellite sit in the delivery 5G functionality?
- Satellite bandwidths, throughput & constellation architectures
- The latency debate: The can, the can't, the trade-offs of integration over satellite
- Achieving scalable, flexible, backhaul
- Macro-cells to femto- and pico-cells: Challenges for the satellite backhaul vendors
- Enhanced Mobile Broadband (eMBB): meeting demand for increasingly digital lifestyles
- Ultra-reliable and Low-latency Communications (uRLLC): meeting expectations from digital industry
- Massive Machine Type Communications (mMTC): meeting demand for a further developed digital society
- Regulatory and spectrum harmonisation

Participants

Moderator: Martin Jarrold - Chief International Programme Development, GVF

Moderator: Betty Bonnardel - CEO, AB5 Consulting

Moderator: Anver Anderson - Managing Director, Anver Limited

Moderator: Lluc Palerm-Serra - Senior Analyst, NSR

Michael DiPaolo - Vice President Cellular Backhaul Business Development, Comtech EF Data

Marco Mirante - Regional Sales Director – Europe, Hughes Network Systems

Semir Hassanaly - Market Director Mobile Backhaul & Trunking, Newtec

John Finney - Founder & CEO, Isotropic Systems Ltd

Philippe Llau - Head of Data Business Unit MENA & APAC, Eutelsat

Simon Gatty Saunt - VP Sales EMEA Fixed-Data, SES Networks

Accelerating the 5G Edge

09:20 - 09:40

5G World Keynotes - Premium content

- Winning 5G strategy, use cases and business models
- Deciding on the most flexible network deployment approach
- Delivering Architectural and platform innovations

Participants

Brian Aherne - Senior Director Network Platforms & Systems (NPS), Intel

Panel: Operators enabling the gigabit society

09:40 - 10:10

5G World Keynotes - Premium content

- Establishing 5G business models
- 5G strengthening the Telco IoT portfolio
- Gearing up for the real fourth industrial revolution
- Setting up the 5G enterprise business in your organisation
- Who pays for 5G? Should enterprises absorb costs?

Participants

Moderator: Mike Roberts - Research Director, Ovum

Paul Doany - CEO, Turk Telekom

Antje Williams - Senior Vice President 5G Campus Networks, Deutsche Telekom

Gilad Garon - CEO, ASOCS

Todd Landry - Corporate Vice President, Product and Market Strategy, JMA Wireless

Building a fully connected world, with Huawei 5G Core

10:10 - 10:30

5G World Keynotes - Premium content

- Enabling diversified and personalised 5G services with 5G Core
- Evolving to 5G Core: full-stack cloud native, fully-connected edge computing, all-access convergence, and autonomous driving core network
- Moving towards a "Connection + Computing + Cloud" network

Participants

Leo Ma - Vice President of Cloud Core Network Marketing, Huawei

Networking and refreshment break

10:30 - 11:20

5G World Keynotes - Premium content

SESSIONS

DAY 2 - 13/06/2019

5G World Summit

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ExCeL, London

Chair's Opening Remarks

10:40 - 10:50

Realising URLLC - Free content (Expo Stage)

Participants

Oliver Bosshard - Chief Operations Officer, Real Wireless

Chair's Opening Remarks

10:40 - 10:50

6G and Future Technologies - Free Content (Demo Zone)

Participants

Elias Aravantinos - Senior Research Analyst, IHS Markit

How MNOs can capture the market potential of URLLC

10:50 - 11:10

Realising URLLC - Free content (Expo Stage)

- Understanding the URLLC requirements of industry verticals to develop go-to-market strategies
- Exploring how operators can position themselves as B2B service providers
- Designing and delivering high performing network solutions for industry verticals
- Examples of how operators and industry can work together to utilise URLLC

Participants

Eman Martin-Vignerte - Head External Affairs, Governmental and Political Relations - Region Great Britain, Bosch

An overview of collaborative 5G R&D projects in the UK

10:50 - 11:10

6G and Future Technologies - Free Content (Demo Zone)

- The journey so far for UK government funded R&D projects
- Insights and findings from 5G research projects
- Future funding competition opportunities

Participants

Jean-François Fava-Verde - Innovation Lead (Digital), Innovation Lead (Digital)

Summit 4: The Economic Impact of 5G

11:00 - 12:00

LeadersIn 5G Summits - Invite only (LeadersIn Boardroom)

Participants

Malik Saadi - Vice President, Strategic Technologies, ABI Research

How MNOs and enterprises can bridge the new digital divide – Indoor coverage for 5G URLLC

11:10 - 11:30

Realising URLLC - Free content (Expo Stage)

- The vast majority of URLLC use cases will be indoor, in-building, manufacturing plants, on campus where currently coverage is poorest
- Addressing this requires a new-way of deploying and architecting 5G networks as legacy approaches cannot scale
- How combining the public cloud with privately-deployable operator-linked networks can bridge the new digital divide

Participants

Nanda Menon - Director, Corporate Development, Athonet

Challenges for 6G

11:10 - 11:30

6G and Future Technologies - Free Content (Demo Zone)

Participants

Matti Latva-aho - 6G Flagship Director, Oulu University

Regulator's Keynote: The regulator's role in next gen innovation

11:20 - 11:40

5G World Keynotes - Premium content

- Creating a growth oriented regulatory environment
- Reviewing global best practice and innovation in spectrum allocation and management
- Government, industry, regulators and Operators working hand in hand
- Beyond WRC

Participants

Mansoor Hanif - CTO, Ofcom

How we are building the infrastructure needed for URLLC in smart cities

11:30 - 11:50

Realising URLLC - Free content (Expo Stage)

- Importance of URLLC in smart city infrastructure to benefit end users
- Reviewing existing infrastructure and considering how to build connected cities
- Piecing together the smart city ecosystem: the role of telcos, service providers, industry, assets owners and government

Participants

Ravi Mondair - CEO, iWireless Solutions

The Ws of 5G Tactile Internet

11:30 - 11:50

6G and Future Technologies - Free Content (Demo Zone)

- Which Tactile Internet use cases are targeted by 5G
- Where we are along the journey with respect to delivered and missing promises
- When the Tactile Internet is provisioned to become reality
- What are the open research problems

Participants

Toktam Mahmoodi - Centre for Telecommunication Research, Director, King's College London

The Mobile Ecosystem... Satellite Use Cases in 5G Deployed Infrastructures

11:30 - 13:15

Cellular Backhaul 2019, Organised by the GVF - EMP Partnership - Free content (Partner Stage)

- SatCom 2019: Ready to serve the mobile traffic boom ahead?
- Satellite: From niche adjunct to wireless to embedded core network component
- Addressable market growth through HTS at GEO, MEO, LEO
- Cyber security imperatives in satellite & mobile wireless: Integrated functionality for the pan-networking
- Satellite Use Cases in a 5G world
- 5G networking with cellular and satellite solutions
- Merging broadcast and broadband infrastructures
- Wireless access technology heterogeneity: A native feature of 5G
- Examining the current/future state-of-play of satellite in:
 - Multimedia Delivery: Mobile Broadcast; Content Caching; Broadcast to Home
 - Broadband: Mobile Broadband to Users & Vehicles; Fixed Broadband to Homes & Enterprises; Remote Area Services; Backhaul Connectivity; Broadband to Moving Platforms
 - Machine Type Communication: Fleet Tracking; Asset Management; Wide Area Sensor Management
 - Critical Communication: Disaster Management; Air Traffic Management; Reliable Communications
 - Vehicular Communication: Traffic Updates & Software Upgrades; eCalls & Emergency Notifications

Participants

Moderator: Martin Jarrold - Chief International Programme Development, GVF

Moderator: Betty Bonnardel - CEO, AB5 Consulting

Moderator: Anver Anderson - Managing Director, Anver Limited

Moderator: Lluc Palerm-Serra - Senior Analyst, NSR

Tim Peyla - Senior Director Business Development, XipLink

Savyon Wasser - Director Vertical Market Solutions, VT iDirect

Yair Maor - General Manager Europe, Middle-East and Africa, Gilat Satellite Network

Deepukrishnan Pillai - Senior Analyst - Strategy & Market Intelligence, SES

Delivering innovation: The future of connectivity with Telecom Infra Project

11:40 - 12:00

5G World Keynotes - Premium content

As an unprecedented number of networked devices and connections are anticipated by 2020, global data consumption and demand for a faster internet experience continues to grow. At the same time, half of the world's population still does not have basic internet. Telecom Infra Project (TIP) believes in accelerating innovation to address the range of global connectivity challenges spanning from ultra-rural to dense urban environments. In his keynote, TIP Executive Director Attilio Zani will discuss the progress the TIP community has made since its launch in 2016, including field deployments and the development of cutting-edge telecom technologies. He will also highlight collaboration among TIP's diverse membership, including the launch of a new group focused on disaggregated OpenRAN 5G NR solutions.

Participants

Attilio Zani - Executive Director, Telecom Infra Project

A private enterprise network

11:50 - 12:10

Realising URLLC - Free content (Expo Stage)

- Designing and deploying a network with the low latency requirements industry needs
- Enabling IoT applications with new network architecture
- Outcomes and learnings from the recent private enterprise network projects

Participants

Dimitrios Spiliopoulos - IoT Enablement Manager, Telefonica UK

A.I.; the missing piece for 5G realisation?

11:50 - 12:10

6G and Future Technologies - Free Content (Demo Zone)

- Applying A.I. to network and service operations
- Is A.I. adding or removing complexity to the network, and how to deal with this
- Software driven infrastructure dependence on A.I.
- Uncovering the A.I. enabled applications and services

Participants

Prof. Maziar Nekovee - Director, Centre for Advanced Communications, Mobile Technology and IoT, University of Sussex

Panel: What are the required 5G technologies and implementation timelines?

12:00 - 12:30

5G World Keynotes - Premium content

- How are global Operators attempting to minimise the 5G investment risk?
- Breaking down 5G misconceptions
- What is the near-term business case for 5G?
- Techniques to bring down the CAPEX
- Wait-and-see or act-and-win?

Participants

Adrian Scrase - CTO, ETSI

Kirsi Valtari - VP of Telco Efficiency, Elisa

Paul Berriman - Group CTO, PCCW

Ingeborg Øfsthus - CTO, Telenor Norway

Channa Seneviratne - Executive Director Network & Infrastructure Engineering, Telstra

Haithem M Alfaraj - SVP Technology and Operation, STC

Leveraging carrier and enterprise edge solution for URLLC

12:10 - 12:30

Realising URLLC - Free content (Expo Stage)

- Edge use cases that need or benefit from URLLC
- Common solution characteristics for carrier and enterprise edge solutions
- Architecture considerations for Edge
- Enterprise slicing

Participants

Ron Parker - VP Software and Systems Architecture, Affirmed Networks

Satellite-5G Integration – perspectives from the ESA & 5Groningen partnership

12:10 - 12:30

6G and Future Technologies - Free Content (Demo Zone)

- What are the industry and standardization developments in Satellite-5G integration?
- What are the key technology enablers?
- What opportunities will Satellite-5G integration bring?
- Building the Satellite-5G ecosystem: European Space Agency & 5Groningen partnership

Participants

Adrian Pais - Technical Manager, TNO & 5Groningen

SESSIONS

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Network Transformation for 5G Services

12:30 - 12:50

5G World Keynotes - Premium content

- Cloud native network
- End to end network slicing
- Flexible business models
- Network automation framework
- Preparing IMS for end-to-end transformation

Participants

Bejoy Pankajakshan - EVP, Chief Strategy Officer, Mavenir

The 5G enterprise use cases

12:30 - 12:50

Realising URLLC - Free content (Expo Stage)

Participants

Hisham El Shaer - Senior 5G Strategy Manager, Vodafone Group Business

Edge Cloud Virtualisation

12:30 - 12:50

6G and Future Technologies - Free Content (Demo Zone)

Participants

Tasos Dagiuklas - Head of Computer Science and Informatics, Lead of SULTE Research Group, London South Bank University

Networking break & exhibition visit

12:50 - 13:40

5G World Keynotes - Premium content

5G in the facility management industry: needs, opportunities and challenges

12:50 - 13:10

Realising URLLC - Free content (Expo Stage)

The Facility Management sector plays a sizable role in the UK economy and the industry is acutely aware of the need to accelerate the adoption of digital technologies to transform a business and delivery model, that is no longer sustainable. The Internet of Things and advanced analytics tools, such as Machine Learning, are expected to play a major role in this transformation, but fast, reliable, and cost effective connectivity is a precondition. In this talk, I will discuss how 5G technology can support the digitalisation of the Facility Management industry, and the associated opportunities and challenges.

Participants

Alejandro Navarro - Director Products & Analytics, Mitie Connected Workspace

Networking break & exhibition visit

12:50 - 13:55

6G and Future Technologies - Free Content (Demo Zone)

Networking break & exhibition visit

13:10 - 14:00

Realising URLLC - Free content (Expo Stage)

Networking break & exhibition visit

13:15 - 14:00

Cellular Backhaul 2019, Organised by the GVF - EMP Partnership - Free content (Partner Stage)

Bringing URLLC to life in the manufacturing industry

14:00 - 14:20

Realising URLLC - Free content (Expo Stage)

- Exploring key findings from recent 5G trials in manufacturing
- How operators can bridge the gap between manufacturing requirements and current URLLC capabilities
- Strategies and business models for operators developing URLLC for the manufacturing industry

Participants

Dritan Kaleshi - Head of Technology - 5G, Digital Catapult

Summit 5: 5G and the consumer opportunity

14:00 - 15:00

LeadersIn 5G Summits - Invite only (LeadersIn Boardroom)

Participants

Dario Talmesio - Principal Analyst & Practice Leader, Ovum

Data-driven proactive network optimization in 5G/6G radio access networks

14:00 - 14:20

6G and Future Technologies - Free Content (Demo Zone)

- Data analytics for online social networks
- Traffic hotspots identification for 5G small cell deployment
- Load balancing

Participants

Xiaoli Chu - Reader, The University of Sheffield

Chair's Remarks

14:10 - 14:15

Network Densification - Premium content (Track 1)

Participants

Dimitris Mavrakis - Research Director, ABI Research

Chair's Remarks

14:10 - 14:15

Network as a Service- Premium content (Track 2)

Participants

Graeme Oxby - Senior Advisor, Arthur D Little

Chair's Remarks

14:10 - 14:15

Virtualisation & the 5G Cloud - Premium content (Track 3)

Participants

Alexander Harrowell - Senior Analyst, SoHo and SME, IT and Telecoms, Ovum

Chair's Remarks

14:10 - 14:15

5G Automation & Intelligence - Premium content (Track 4)

Participants

Stéphane Terat - Executive Director - Research and Analysis, Mobile Infrastructure & Carrier Economics, IHS Markit

Operator Highlight: Telstra's 5G road from promise to launch

14:15 - 14:35

Network Densification - Premium content (Track 1)

- Overview of Telstra's 5G work leading up to connecting a customer with a commercial 5G technology
- Scaling up the IoT capabilities with 5G in the agriculture industry
- Making Australia's first 5G to 5G video call
- Telstra's commitments to bring the latest technology to cities and rural areas

Participants

Channa Seneviratne - Executive Director Network & Infrastructure Engineering, Telstra

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Vodafone 5G in Milan: Shaping the future

14:15 - 14:35

Network as a Service- Premium content (Track 2)

- Building the European capital of 5G
- Bringing 5G to life – working with an ecosystem to make the use cases real
- Learnings so far - service creation in the era of new technology
- Keeping up the momentum

Participants

Sabrina Baggioni - 5G Director, Vodafone Italy

Operator Highlight: The rocky road to 5G SA

14:15 - 14:35

Virtualisation & the 5G Cloud - Premium content (Track 3)

Participants

Ingeborg Øfsthus - CTO, Telenor Norway

Winning 5G network automation strategies

14:15 - 14:35

5G Automation & Intelligence - Premium content (Track 4)

- Automation as a critical component of any network management strategy
- Real time monitoring of network and data centres
- The truth about AI and security

Participants

Mario Meir-Huber - Head of Big Data, Analytics & AI, A1 Telekom Austria

Panel Session 3: Evolution of Ground Equipment: Infrastructure & Device-to-Device Systems

14:15 - 15:30

Cellular Backhaul 2019, Organised by the GVF - EMP Partnership - Free content (Partner Stage)

- Facilitating wireless services outside ground network footprints
- Optimising solutions for media content
- Network architecture design considerations in split/parallel routing of voice and signalling, and packet services
- Satellite as more than a transport layer
- Small satellite (NGSO) constellations in the M2M/IoT ecosphere
- High Throughput Satellites and 5G/IoT infrastructures
- GSO & NGSO satellite solutions & 5G deliverables
- Networks densification & the role of satellite
- Satellite seamlessness & footprint ubiquity to service the IoT
- Satellite & the device environment of smart city infrastructure
- Satellite & IoT application markets
- Utilities: smart power, smart metering
- Transportation: connected cars, connected trucks
- Oil, Gas & Mining: exploration & production
- Civil engineering: construction & maintenance
- Agriculture: livestock monitoring
- Health services: rural & remote eHealth

Participants

Martin Jarrold - Chief International Programme Development, GVF

Betty Bonnardel - CEO, AB5 Consulting

Anver Anderson - Managing Director, Anver Limited

Lluc Palerm-Serra - Senior Analyst, NSR

Sebastien Couvet - EMEA Sales Manager, Integrasys

Mark Lambert - Vice President Business Development, Kratos

Ali Younis - Head of Business Development and Product Marketing, Astranis Space Technologies Corp

Interview: Deutsche Telekom's campus networks

14:20 - 14:40

Realising URLLC - Free content (Expo Stage)

Participants

Interviewer: Gabriel Brown - Principal Analyst, Heavy Reading

Interviewee: Antje Williams - Senior Vice President 5G Campus Networks, Deutsche Telekom

Software defined cloud networks and cloud unification; Evolving architectures in the 5G era

14:20 - 14:40

6G and Future Technologies - Free Content (Demo Zone)

- Cloud Software Defined Network architecture
- Network functions virtualization (NFV)
- Virtualising Software Defined networks
- Cognitive aware network virtualization hypervisors and their role in distributed cloud networks

Participants

Andrews O. Nyanteh - PhD. Researcher, Brunel University London

Turkcell's 5G Ready Network

14:35 - 14:55

Network Densification - Premium content (Track 1)

- Differentiators in our existing network
- 5G readiness project
- Experience sharing from 5G trials
- Hot study items on our agenda

Participants

Kamil Solmaz - Radio Network Technology Senior Expert, Turkcell

SESSIONS

DAY 2 - 13/06/2019

5G World Summit

Workshops & Conference: 11 - 13 June 2019

Exhibition: 12 - 13 June 2019

ExCeL, London

Panel: The services potential of network slicing

14:35 - 15:05

Network as a Service- Premium content (Track 2)

- How can slicing be enabled in LTE & 5G networks
- Economically enabling networks from a transport network perspective
- New technology options such as segment routing and FlexEthernet
- Enabling URLLC and other service types with slices
 - Charging for slices

Participants

moderator: Jonathan Rowan - TIME (TMT) Partner, Arthur D. Little

David Stokes - Senior Portfolio Marketing Manager, ECI

Michele Zarri - Technical Director, GSMA

Ron Parker - VP Software and Systems Architecture, Affirmed Networks

Eyal Yaron - Director Security Innovation, Radware

Creation of new products and services on 5G; a platforms approach to leveraging 5G capabilities

14:35 - 14:55

Virtualisation & the 5G Cloud - Premium content (Track 3)

- 5G Ecosystem – technology platform designed for capacity, speed and low latency
- Fundamental shift in core architecture into a services based approach & what does that enable
- Applying platforms model to leveraging 5G test bed, how do we create a platform for services that have not been invented yet
- (Leveraging ONAP for) automation, orchestration & service management of 5G technology

Participants

Rahim Tafazolli - Head of the 5GIC and ICS,, University of Surrey

Atul Purohit - Principal Cloud & Automation Strategy Architect, Vodafone Group

Panel: Simplifying, accelerating and assuring 5G networks

14:35 - 15:05

5G Automation & Intelligence - Premium content (Track 4)

- Reducing complexity and economics of testing, verifying and delivering 5G
- New approaches to assurance and testing to accelerate 5G innovation
- Reviewing standardisation in NSA, and progress on SA, to develop accurate 5G test models

Participants

Moderator: Philipp Deibert - Associate Partner, Communications, Media and Technology, Oliver Wyman

Gerhard Auer - Vice President, Sales & Services, EMEA, Spirent

Jean-Marius Antonica - Product Manager, Anritsu

Ralf Kreher - Senior Solution Architect, RAN, Netscout

Connectivity requirements in public safety and stadia

14:40 - 15:00

Realising URLLC - Free content (Expo Stage)

- How operators ensure real-time low latency is reliable for mission critical communications
- The latest potential for powering facial recognition in stadium security
- Overcoming the challenges of seamless in-door and out-door connectivity

Participants

Cyril De Greve - Managing Director, European Stadium & Safety Management Association

Beyond 5G and 6G

14:40 - 15:00

6G and Future Technologies - Free Content (Demo Zone)

The mandatory multidimensional economic, societal and technological (r)evolution

Participants

Xavier Priem - Senior Research Fellow, University of Bristol/Smart Internet Lab

Panel: Evolution of wireless networks infrastructure towards 5G

14:55 - 15:35

Network Densification - Premium content (Track 1)

- Making the most of existing infrastructure
- Bringing 5G in homes and buildings
- Massive MIMO for 5G NR

Participants

Moderator: Dimitris Mavrakis - Research Director, ABI Research

Panellist: Caroline Gabriel - Content Director, Small Cell Forum

Panellist: Andre Doll - CTO, Radio Frequency Systems

Panellist: Ashish Sharma - Chief Marketing Officer and EVP of IoT & Mobile Solutions, Inseego

Cameron Galbraith - Senior Product Marketing Manager, Sitetracker

marie: Marie Ma - Director of Product Marketing, Comba Telecom

Erol Hepsaydir - Head of Radio and Device Strategy and Architecture, Three UK

Panel: Strategies to simplify your mobile network transformation

14:55 - 15:25

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Updating your network to keep in pace with competitors, IoT and MEC
- Recognising and managing synergies between IT, data centre and telecoms resources
- Achieving end-to-end visibility throughout the network and ability to analyse dependencies across layers

Participants

Moderator: Alexander Harrowell - Senior Analyst, SoHo and SME, IT and Telecoms, Ovum

Kal Krishnan - Technical Fellow, Comtech Telecommunications

Antonio Jose Elizondo Armengol - Head of Network Virtualization Strategy and Technology, Telefónica

Todd Spraggins - Strategy Director - Office of the CTO, Oracle Communications

Safae Hamdani - Chief Digital Officer, Inwi

Moshe Shimon - VP/Head of Product Management, NFV and OSS solutions, Amdocs

A manufacturer's perspective on enabling Industry 4.0 with 5G

15:00 - 15:20

Realising URLLC - Free content (Expo Stage)

- The use case for URLLC in highly specialised manufacturing
- What a leading manufacturing company wants from an operator partner
- Examples of how URLLC can directly reduce costs and increase quality

Participants

Alan Norbury CEng FIKE MIET - Chief Technologist, Siemens

Next wave of 5G: how to address opportunities beyond broadband

15:00 - 16:00

LeadersIn 5G Summits - Invite only (LeadersIn Boardroom)

Participants

Philipp Deibert - Associate Partner, Communications, Media and Technology, Oliver Wyman

AI-driven cognitive self-organizing networks for 5G and beyond

15:00 - 15:20

6G and Future Technologies - Free Content (Demo Zone)

- Self-organizing networks (SON) for 4G
- AI-driven SON for 5G and Beyond
- Recent advancements and Challenges for 6G

Participants

Muhammad Zeeshan Asghar - Postdoctoral Researcher, University of Jyväskylä

How 5G can help operators increase their value by focusing on their core strengths

15:05 - 15:25

Network as a Service- Premium content (Track 2)

- Smart ecosystems enabled by communications services are key to digital services
- Communications providers must provide and use cloud based services with an ecosystems approach to achieve high value e2e services for their customers
- 5G and pre-5G core technologies are necessary technical enablers for ecosystems participation
- CSPs in ecosystems can expand their reach and focus on their core value at the same time

Participants

Eric McMurry - Director, Office of the CTO, Oracle Communications

Winning 5G network automation strategies

15:05 - 15:25

5G Automation & Intelligence - Premium content (Track 4)

- What is the biggest 5G business case?
- What does it mean to automate for 5G?
- How to prepare for the 5G automation?

Participants

Kirsi Valtari - VP of Telco Efficiency, Elisa

Untethering the VR 5G opportunity

15:20 - 15:40

Realising URLLC - Free content (Expo Stage)

- Overview of the current practices
- Remote processing limitations and promises
- Combining the hardware and software innovations on the road for better VR

Participants

Alexander Bereznyak - Technical Art Director, General Electric

RF Hardware design for mmWave massive MIMO systems

15:20 - 15:40

6G and Future Technologies - Free Content (Demo Zone)

- Development challenges in mmWave 5G
- Low-complexity beamforming
- Highlights from the MWC19

Participants

Dr Muhammad Ali Babar Abbasi - Lecturer, Centre for Wireless Innovation (CWI), Queen's University Belfast

Networking break and exhibition visit

15:25 - 15:55

Network as a Service- Premium content (Track 2)

A Cloud Native foundation for 5G

15:25 - 15:45

Virtualisation & the 5G Cloud - Premium content (Track 3)

- Where we are with NFV and what's required for 5G
- Delivering Multi-Service capable Infrastructure including closed Loop Automation & Quality of Experience

Participants

Brian Aherne - Senior Director Network Platforms & Systems (NPS), Intel

Preparing for tomorrow's zero-touch network

15:25 - 15:45

5G Automation & Intelligence - Premium content (Track 4)

- Using Cloud Native principles to address zero-touch management and operations
- Reviewing the requirements of new network architectures
- Cost benefit analysis of automation before retiring technologies

Participants

Klaus Martiny - Chair of the ISG ZSM (Zero Touch Automation), ETSI

Panel Session 4: Architectures and Technologies: Meshing Mobile Wireless & Broadband Satellite

15:30 - 16:45

Cellular Backhaul 2019, Organised by the GVF - EMP Partnership - Free content (Partner Stage)

- Satellite dilemmas: Pricing and bandwidth – Wireless carrier perspectives on the satellite offering
- Satellite & mobile network macro-cell & small-cell architectures
- Satellite & cellular in hybrid solutions
- Latency & evolving satellite system networks
- Network encryption, client security & cyber security imperatives: Satellite & mobile wireless pan-network integration
- Emerging regional markets – Asia: Contrasts in 4G deployments with continuing 2G roll-out
- Mobile wireless demand characteristics
- Emerging markets: Satellite operator and service providers capacity deployments for backhaul
- M2M growth and IoT expansion: Regional differences impacting mobile wireless backhaul over satellite demand
- IoEE and satellite ubiquity

Participants

Moderator: Martin Jarrold - Chief International Programme Development, GVF

Moderator: Betty Bonnardel - CEO, AB5 Consulting

Moderator: Anver Anderson - Managing Director, Anver Limited

Moderator: Lluc Palerm-Serra - Senior Analyst, NSR

Jaime Reed - Director Consulting Services, CGI

Javier Santos - International Business Development Executive, Instar

Gerry Collins - Director Product Mangement, Intelsat

Esat Sibay - Co-Founder & Chief Financial Officer, ALCAN Systems

Networking and refreshment break

15:35 - 16:05

Network Densification - Premium content (Track 1)

5G & local authorities: Approaches and requirements

15:40 - 16:00

Realising URLLC - Free content (Expo Stage)

Participants

Norm Steel - Digital Programme Manager (Kingston & Sutton), London Borough of Sutton

Moderator: Simon Davies - Consultant, Aqua Telecom

Davina Fell - Digital Infrastructure Programme Manager, IT & Digital Services, Housing and Modernisation, Southwark Council

Orchestrating 5G network and services

15:45 - 16:05

Virtualisation & the 5G Cloud - Premium content (Track 3)

5G is in every mobile operator's future but it is much more than just a new mobile technology. 5G provides enhanced broadband, ultra-reliable machine type communication, and massive machine type communication for applications such as IoT. The 5G broadband capacity should provide a superior customer experience by creating seamless services using a combination of fixed and mobile broadband technologies.

Orchestration of 5G-based services using LSO is an essential tool for effective multi-domain service fulfillment and assurance. In this session, we explore the MEF work around 5G transport, network slicing, orchestration, fixed wireless access, and the MEF 3.0 5G-ready implementation project that MEF recently demonstrated with NCSR Demokritos in Greece for a real case involving the health of Mediterranean migrants.

Participants

Rami Yaron - Board Member and Co-chair of the Global Marketing & Education Committee, MEF

The Future Telco: Accelerating the journey to 5G

15:55 - 16:15

Network as a Service- Premium content (Track 2)

Move to Smart CAPEX with next generation network planning and design (4G/LTE/ LTE-A/5G)

- RF planning & design
- X-haul planning and design
- Network Virtualisation
- Migration to All IP/FTTX
- B/OSS Tools Transformation and Automation

Participants

Rahul Garg - Head- Network Services Practice, Tata Communications Transformation Services (TCTS)

5G for in-building coverage

16:05 - 16:25

Network Densification - Premium content (Track 1)

- What is the 5G in-building cellular coverage opportunity and how to monetise it
- DAS; competition or partner?
- Private campus networks and enterprise spectrum ownership

Participants

Cliff Velosa - Senior Sales & Business Development (UK, Portugal, France & Israel), Comba Telecom

Best practice showcase: Smart city initiatives

16:15 - 16:45

Network as a Service- Premium content (Track 2)

- How are local authorities supporting 5G innovation?
- Reviewing existing 5G smart city initiatives
- Best practice for telco, government and infrastructure collaboration

Participants

Eduard Martin - CIO & 5G Programme Director, Mobile World Capital Barcelona

Dimitra Simeonidou - Director, Smart Internet Lab

Saverio Romeo - Lead Expert, EU Digital Cities Challenge Project

Gareth Elliott - Head of Policy and Communications, Mobile UK

Moderator: Jonathan Rowan - TIME (TMT) Partner, Arthur D. Little

Bringing 5G in homes and buildings - critical considerations

16:25 - 16:45

Network Densification - Premium content (Track 1)

- How 5G is revolutionizing the in-building wireless game.
- How the denser network architecture will impact in-building network lifecycle management.
- How AR/VR can greatly enhance a new network design experience.

Participants

Stephane Bendayan - Solution Director, Carrier Market, iBwave

SESSIONS

DAY 2 - 13/06/2019

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ExCeL, London

5G for media

16:45 - 17:05

Network as a Service- Premium content (Track 2)

Participants

Alex Buchan - Head of Wireless Technologies, Digital TV Group (DTG)

Networking break

16:45 - 17:45

Cellular Backhaul 2019, Organised by the GVF - EMP Partnership - Free content (Partner Stage)

SCHEDULE

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TIME	5G AUTOMATION & INTELLIGENCE - PREMIUM CONTENT (TRACK 4)	5G WORLD KEYNOTES - PREMIUM CONTENT	6G AND FUTURE TECHNOLOGIES - FREE CONTENT (DEMO ZONE)	CELLULAR BACKHAUL 2019, ORGANISED BY THE GVF - EMP PARTNERSHIP - FREE CONTENT (PARTNER STAGE)	LEADERSIN 5G SUMMITS - INVITE ONLY (LEADERSIN BOARDROOM)	NETWORK DENSIFICATION - PREMIUM CONTENT (TRACK 1)	NETWORK AS A SERVICE- PREMIUM CONTENT (TRACK 2)	REALISING URLLC - FREE CONTENT (EXPO STAGE)	VIRTUALISATION & THE 5G CLOUD - PREMIUM CONTENT (TRACK 3)
08:00		08:55 - Chair's Opening Remarks							
09:00		09:00 - South Korea's journey to full 5G roll-out 09:20 - Accelerating the 5G Edge 09:40 - Panel: Operators enabling the gigabit society		09:15 - Panel Session 1: Unlocking Opportunities via Satellite: Beyond the Backhaul Opportunity & Paradigm Shifting Integration with "the Network"					
10:00		10:10 - Building a fully connected world, with Huawei 5G Core 10:30 - Networking and refreshment break	10:40 - Chair's Opening Remarks 10:50 - An overview of collaborative 5G R&D projects in the UK					10:40 - Chair's Opening Remarks 10:50 - How MNOs can capture the market potential of URLLC	

SCHEDULE

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11:00		<p>11:20 - Regulator's Keynote: The regulator's role in next gen innovation</p> <p>11:40 - Delivering innovation: The future of connectivity with Telecom Infra Project</p>	<p>11:10 - Challenges for 6G</p> <p>11:30 - The Ws of 5G Tactile Internet</p> <p>11:50 - A.I.; the missing piece for 5G realisation?</p>	<p>11:30 - The Mobile Ecosystem.... Satellite Use Cases in 5G Deployed Infra-structures</p>	<p>11:00 - Summit 4: The Economic Impact of 5G</p>			<p>11:10 - How MNOs and enterprises can bridge the new digital divide – Indoor coverage for 5G URLLC</p> <p>11:30 - How we are building the infrastructure needed for URLLC in smart cities</p> <p>11:50 - A private enterprise network</p>	
12:00		<p>12:00 - Panel: What are the required 5G technologies and implementation timelines?</p> <p>12:30 - Network Transformation for 5G Services</p> <p>12:50 - Networking break & exhibition visit</p>	<p>12:10 - Satellite-5G Integration – perspectives from the ESA & 5Groningen partnership</p> <p>12:30 - Edge Cloud Virtualisation</p> <p>12:50 - Networking break & exhibition visit</p>					<p>12:10 - Leveraging carrier and enterprise edge solution for URLLC</p> <p>12:30 - The 5G enterprise use cases</p> <p>12:50 - 5G in the facility management industry: needs, opportunities and challenges</p>	

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13:00				13:15 - Networking break & exhibition visit				13:10 - Networking break & exhibition visit	
14:00	<p>14:10 - Chair's Remarks</p> <p>14:15 - Winning 5G network automation strategies</p> <p>14:35 - Panel: Simplifying, accelerating and assuring 5G networks</p>		<p>14:00 - Data-driven proactive network optimization in 5G/6G radio access networks</p> <p>14:20 - Software defined cloud networks and cloud unification; Evolving architectures in the 5G era</p> <p>14:40 - Beyond 5G and 6G</p>	14:15 - Panel Session 3: Evolution of Ground Equipment: Infrastructure & Device-to-Device Systems	14:00 - Summit 5: 5G and the consumer opportunity	<p>14:10 - Chair's Remarks</p> <p>14:15 - Operator Highlight: Telstra's 5G road from promise to launch</p> <p>14:35 - Turkcell's 5G Ready Network</p> <p>14:55 - Panel: Evolution of wireless networks infrastructure towards 5G</p>	<p>14:10 - Chair's Remarks</p> <p>14:15 - Vodafone 5G in Milan: Shaping the future</p> <p>14:35 - Panel: The services potential of network slicing</p>	<p>14:00 - Bringing URLLC to life in the manufacturing industry</p> <p>14:20 - Interview: Deutsche Telekom's campus networks</p> <p>14:40 - Connectivity requirements in public safety and stadia</p>	<p>14:10 - Chair's Remarks</p> <p>14:15 - Operator Highlight: The rocky road to 5G SA</p> <p>14:35 - Creation of new products and services on 5G; a platforms approach to leveraging 5G capabilities</p> <p>14:55 - Panel: Strategies to simplify your mobile network transformation</p>

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15:00	<p>15:05 - Winning 5G network automation strategies</p> <p>15:25 - Preparing for tomorrow's zero-touch network</p>		<p>15:00 - AI-driven cognitive self-organizing networks for 5G and beyond</p> <p>15:20 - RF Hardware design for mmWave massive MIMO systems</p>	<p>15:30 - Panel Session 4: Architectures and Technologies: Meshing Mobile Wireless & Broadband Satellite</p>	<p>15:00 - Next wave of 5G: how to address opportunities beyond broadband</p>	<p>15:35 - Networking and refreshment break</p>	<p>15:05 - How 5G can help operators increase their value by focusing on their core strengths</p> <p>15:25 - Networking break and exhibition visit</p> <p>15:55 - The Future Telco: Accelerating the journey to 5G</p>	<p>15:00 - A manufacturer's perspective on enabling Industry 4.0 with 5G</p> <p>15:20 - Untethering the VR 5G opportunity</p> <p>15:40 - 5G & local authorities: Approaches and requirements</p>	<p>15:25 - A Cloud Native foundation for 5G</p> <p>15:45 - Orchestrating 5G network and services</p>
16:00				<p>16:45 - Networking break</p>		<p>16:05 - 5G for in-building coverage</p> <p>16:25 - Bringing 5G in homes and buildings - critical considerations</p>	<p>16:15 - Best practice showcase: Smart city initiatives</p> <p>16:45 - 5G for media</p>		