

Registration & Coffee

08:00 - 08:45

Network Virtualization & SDN Summit

Chair's Opening Remarks

08:45 - 09:00

Network Virtualization & SDN Summit

Chair's opening remarks

09:00 - 09:10

5G Spectrum Management Workshop

Participants

Monica Paolini - Founder and President, Senza Fili Consulting

Chairman's Opening Remarks

09:00 - 09:10

5G Security by Design Workshop

Virtualization 2.0 | The impact of network and technology evolution to deliver continuous high-performing service delivery

09:00 - 09:30

Network Virtualization & SDN Summit

In this opening panel, we discuss the paradigm shifts within the virtualization field and the impact that next generation technologies and strategies are having on networks.

- E2E service chain – who are the key players that have a say?
- Moving from proof of concept to proof of successful deployments
- Establishing benchmarks of success – what metrics are used to measure ROI?
- What are the new migration paths for networks to move from legacy architecture to evolved service applications?
- What does the new VNF look like?

When will spectrum assets catch up with the 5G needs?

09:10 - 09:30

5G Spectrum Management Workshop

- Reviewing global spectrum auctions and the frequencies allocated
- Which assets will be used for which use cases?
- What can be achieved on the currently allocated frequencies?

Understanding Security in the 5G Era

09:10 - 09:30

5G Security by Design Workshop

- How is 5G introducing additional vulnerabilities in the networks?
- What should the vendor development process be?
- Deploying networks with security and resilience in mind
- Securing the operational procedures
- Monitoring the performance of security functions

WRC-19 and the Road Ahead

09:30 - 09:50

5G Spectrum Management Workshop

- Key communication parameters agreed at WRC-19
- Progress in ensuring global harmonisation of 5G networks
- Identified new high-frequency spectrum for 5G new services
- What is the industry looking forward to for WRC-23?

Service Provider: How are Telcos Preparing for 5G?

09:30 - 09:50

5G Security by Design Workshop

- How are telcos assuring their 5G supply chain
- Involving the security teams in network roll out
- What is a telcos biggest cybersecurity fear?

Networks In Action | Operator's view of some of the key lessons learnt from virtualization challenges in order to move towards the next generation of service delivery

09:30 - 09:50

Network Virtualization & SDN Summit

Dealing with the Electromagnetic Impact on Population Concerns

09:50 - 10:10

5G Spectrum Management Workshop

- Reviewing current public health concerns for 5G
- 5G health concerns: myth or reality?
- What are the misconceptions?
- How are different service providers dealing with the concerns?
- Educating consumers and authorities

Panel: Building a Secure 5G Architecture

09:50 - 10:20

5G Security by Design Workshop

- Which parts of the 5G network are more vulnerable?
- Reviewing advanced technologies to ensure high levels of network security
- Will network slicing allow for high levels of security?
- Are software-based network technologies less secure?
- AI as a critical factor in next generation network protection
- What security assurances will enterprises require?

Participants

Panelist: Remy Harel - Head of Security & Interception for Networks, Orange France

Partner Presentation

09:50 - 10:10

Network Virtualization & SDN Summit

Dynamic Spectrum Sharing to Ease the Transition to 5G

10:10 - 10:30

5G Spectrum Management Workshop

- Removing the need to deploy new hardware with DSS
- Reviewing applications of DSS by global service providers
- What impact will DSS have on customer experience?

The New Cloud-Native Normal | Are we moving from virtualization towards containerised network environments?

10:10 - 10:40

Network Virtualization & SDN Summit

Cloud-native applications are changing the virtualization game; we are moving towards containerised networks, able to be flexible and adaptable to new customer demands. In this discussion, we look at the next stage of the cloud evolution – what does the cloud model look like and what are the success stories and lessons learnt moving forward?

- Have cloud-native applications helped operators drive VNF's to truly become more operationally nimble?
- Achieving a 5G core utilising cloud-native solutions
- Will cloud-native truly achieve multi-vendor interoperability?
- Cloud networks via third-party developed microservices

Networking and refreshment break

10:20 - 11:00

5G Security by Design Workshop

Networking and refreshment break

10:30 - 11:00

5G Spectrum Management Workshop

Morning Coffee and Networking

10:40 - 11:20

Network Virtualization & SDN Summit

Panel: Allocating Spectrum Resources to Enterprises; Will it Work?

11:00 - 11:30

5G Spectrum Management Workshop

- Current global enterprise spectrum allocation activities
- How are verticals currently using privately owned spectrum?
- Comparing spectrum allocation models for enterprises
- The role of neutral hosts in 5G
- Systems integrators: Threat or opportunity for telcos in 5G?

Participants

Moderator: Monica Paolini - Founder and President, Senza Fili Consulting

Panellist: Javier Dominguez - Head of Spectrum Policy and Regulatory Intelligence, Telefonica

Panellist: Josch Luxa - Engineer, Bundesnetzagentur

5G & IoT: More Data – More Risk?

11:00 - 11:20

5G Security by Design Workshop

- How is the unprecedented number of connected devices heightening security challenges?
- What are the privacy and information security concerns arising from 5G?
- Educating the consumer and enterprise market to apply high levels of security in their devices
- How are hackers using AI to compromise networks?

5G Signalling Security

11:20 - 11:40

5G Security by Design Workshop

- Handling overload, failover and signalling peaks
- Moving towards a modern service based architecture
- Analysing legacy signalling technology and 5G updates
- What is the trust model input?
- What are the requirements from an architecture and protocol design angle?

The Virtualization Underlay I Re-examining the factors and challenges to infrastructure to support network architecture evolution

11:20 - 11:50

Network Virtualization & SDN Summit

- Impact of increasing workloads – higher pressures with higher expectations on virtual network functions?
- How flexible can infrastructure be to change?
- What are the key lessons learnt from successful and unsuccessful deployments? What does this mean for the migration of these network functions?
- What does the new network topology look like?

Panel: Capacity Planning for the Future

11:30 - 12:00

5G Spectrum Management Workshop

- Dealing with the increasing data traffic rates
- Rethinking the conventional usage of infrastructure and spectrum usage
- Making more spectrum capacity available
- Network densification for fast access to increased capacity
- Achieving the global spectrum harmonisation needs
- When will telcos switch off 2G and 3G?

Participants

Panellist: Ute Zimmermann - Lead Spectrum Program and Project Management, Deutsche Telekom

3GPP Updates on 5G Security Standardisation

11:40 - 12:00

5G Security by Design Workshop

- SA3's work and plans for 5G security standardisation
- From NSA Security to Phase 2: IoT, m MCT, URLLC
- What security functions are provided by the 3GPP standard?

Participants

Noamen Ben Henda - Chairman SA3, 3GPP

Networks In Action I An operator's use of open to streamline the network function

11:50 - 12:10

Network Virtualization & SDN Summit

Harmonisation and Interoperability

12:00 - 12:20

5G Spectrum Management Workshop

- How will tech be harmonised if we are using different frequencies at different locations
- What are the interoperability concerns?
- How can the European Union support a more harmonised approach to spectrum allocation?
- What is the future of satellite industry's usage of the c-bands?

Panel: 5G SA and Cloud – is software easier to hack?

12:00 - 12:30

5G Security by Design Workshop

- What vulnerabilities is softwarisation of networks introducing?
- Shifting from central architectures to software-defined ones
- Are telcos ready for 5G security?
- Ensuring employees are equipped with the necessary skillsets
- Working with global providers to diversify the threat and secure supply chains

Harmonizing The Network I Service chaining to create an interoperable service

12:10 - 12:40

Network Virtualization & SDN Summit

There has never been a higher demand for a joined up, interoperable service that facilitates multiple stakeholders to deliver high performance for their end customers. What role is open playing and is it being prioritised?

- Are we evangelizing the rhetoric that open can solve virtualization challenges?
- What role does standardization play whilst juggling the onset of new technologies?
- Strategies to best manage open networks
- What is the impact of open source efforts on VNF performance?

What's Next for Unlicensed Spectrum?

12:20 - 12:40

5G Spectrum Management Workshop

- How can unlicensed spectrum complement the service providers' 5G efforts?
- Does 5G unlicensed compete with WiFi?
- What does R-16 hold for 5G unlicensed?

Networking and lunch break

12:30 - 13:30

5G Security by Design Workshop

Partnership In Action I A project view of the role of open source in network virtualization

12:40 - 13:00

Network Virtualization & SDN Summit

Networking Lunch

13:00 - 14:15

Network Virtualization & SDN Summit

Cyber Security Risks and Challenges for 5G

13:30 - 13:50

5G Security by Design Workshop

Participants

Mahmoud Al-Ghreify - Security Enterprise Architect, O2 Telefonica

Security Skills for the 5G Workforce

13:50 - 14:10

5G Security by Design Workshop

- How are telcos ensuring the right 5G security skillset exists in their teams?
- Reviewing successful reskilling programmes

Panel: The Geopolitics of 5G Security

14:10 - 14:40

5G Security by Design Workshop

- How could 5G technology impact Internet governance?
- What are the national cyber security issues related to 5G?
- What are the geographical approaches to technologies and 5G development?

A Holistic Network I Enhancing network performance through service assurance, data, automation & analytics

14:15 - 14:45

Network Virtualization & SDN Summit

The demands of having a unified and total end-to-end virtualized service platform has never been higher to match customer demand. What are the new strategies and actions for operators to ensure this for their customers?

- Enhancing the visibility over the service quality of network performance for the customer
- Are we analysing what we really need to know?
- The move towards monetization of data analytics – is it really driving change in network performance? Does it provide the insights that operators demand?
- What are the VNF benchmarks being developed from enhanced network management?

NCSC Address: 'Focus on Fixes, not Fear'

14:40 - 15:00

5G Security by Design Workshop

Partner Presentation I Tangible insights into the use of data & analytics for enhanced and improve service delivery

14:45 - 15:05

Network Virtualization & SDN Summit

Networking and refreshment break

15:00 - 15:20

5G Security by Design Workshop

Road Call I Exploring Virtualization Applications

15:05 - 15:35

Network Virtualization & SDN Summit

In this session, we invite some of the forward thinkers on stage in a quickfire showcase format where they present virtualization services to support new applications, which will be followed by a short Q&A with the presenters.

- Smart living
- Gaming
- AR&VR

Protecting Critical Infrastructure

15:20 - 15:40

5G Security by Design Workshop

- Reducing cybersecurity costs
- Using automation to minimise network vulnerabilities
- Achieving no-more patching

Afternoon Coffee & Networking

15:35 - 16:15

Network Virtualization & SDN Summit

5G Ethical Hacking Showcase

15:40 - 16:00

5G Security by Design Workshop

How Security-Centric Is Your Network?

16:15 - 16:35

Network Virtualization & SDN Summit

In this interview, we bring an operator to answer some key questions around their security approach within the context of virtualization. What are the credible threats, and how are networks responding?

Ahead Of The Curve I Are you building a network that stands out from the rest?

16:35 - 17:15

Network Virtualization & SDN Summit

In this discussion, we discuss the top-line strategies that will deliver a truly unified and virtualized network service for your customers.

- What are the business drivers that can differentiate your network service?
- Determining the new virtualization business model – how does SD-WAN come into play?
- How are you creating a network service with multiple layers of added competencies and value? How can you ensure that you are flexible, agile, and adjustable to change?

Chair's Closing Remarks & Close of Summit

17:15 - 17:30

Network Virtualization & SDN Summit

SCHEDULE

WORKSHOP DAY - 01/09/2020

5G World Summit

Workshops & Conference: 1 - 3 September 2020

Exhibition: 2 - 3 September 2020

ExCeL, London

TIME	5G SECURITY BY DESIGN WORKSHOP	5G SPECTRUM MANAGEMENT WORKSHOP	NETWORK VIRTUALIZATION & SDN SUMMIT
08:00			08:00 - Registration & Coffee 08:45 - Chair's Opening Remarks
09:00	09:00 - Chairman's Opening Remarks 09:10 - Understanding Security in the 5G Era 09:30 - Service Provider: How are Telcos Preparing for 5G? 09:50 - Panel: Building a Secure 5G Architecture	09:00 - Chair's opening remarks 09:10 - When will spectrum assets catch up with the 5G needs? 09:30 - WRC-19 and the Road Ahead 09:50 - Dealing with the Electromagnetic Impact on Population Concerns	09:00 - Virtualization 2.0 The impact of network and technology evolution to deliver continuous high-performing service delivery 09:30 - Networks In Action Operator's view of some of the key lessons learnt from virtualization challenges in order to move towards the next generation of service delivery 09:50 - Partner Presentation
10:00	10:20 - Networking and refreshment break	10:10 - Dynamic Spectrum Sharing to Ease the Transition to 5G 10:30 - Networking and refreshment break	10:10 - The New Cloud-Native Normal Are we moving from virtualization towards containerised network environments? 10:40 - Morning Coffee and Networking
11:00	11:00 - 5G & IoT: More Data – More Risk? 11:20 - 5G Signalling Security 11:40 - 3GPP Updates on 5G Security Standardisation	11:00 - Panel: Allocating Spectrum Resources to Enterprises; Will it Work? 11:30 - Panel: Capacity Planning for the Future	11:20 - The Virtualization Underlay Re-examining the factors and challenges to infrastructure to support network architecture evolution 11:50 - Networks In Action An operator's use of open to streamline the network function
12:00	12:00 - Panel: 5G SA and Cloud – is software easier to hack? 12:30 - Networking and lunch break	12:00 - Harmonisation and Interoperability 12:20 - What's Next for Unlicensed Spectrum?	12:10 - Harmonizing The Network Service chaining to create an interoperable service 12:40 - Partnership In Action A project view of the role of open source in network virtualization
13:00	13:30 - Cyber Security Risks and Challenges for 5G 13:50 - Security Skills for the 5G Workforce		13:00 - Networking Lunch
14:00	14:10 - Panel: The Geopolitics of 5G Security 14:40 - NCSC Address: 'Focus on Fixes, not Fear'		14:15 - A Holistic Network Enhancing network performance through service assurance, data, automation & analytics 14:45 - Partner Presentation Tangible insights into the use of data & analytics for enhanced and improve service delivery
15:00	15:00 - Networking and refreshment break 15:20 - Protecting Critical Infrastructure 15:40 - 5G Ethical Hacking Showcase		15:05 - Road Call Exploring Virtualization Applications 15:35 - Afternoon Coffee & Networking

SCHEDULE

WORKSHOP DAY - 01/09/2020

5G World Summit

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TIME	5G SECURITY BY DESIGN WORKSHOP	5G SPECTRUM MANAGEMENT WORKSHOP	NETWORK VIRTUALIZATION & SDN SUMMIT
16:00			16:15 - How Security-Centric Is Your Network? 16:35 - Ahead Of The Curve Are you building a network that stands out from the rest?
17:00			17:15 - Chair's Closing Remarks & Close of Summit

Chair's Opening Remarks

08:50 - 09:00

5G World Keynotes - Premium content

Participants

Ray Le Maistre - Editor in Chief, Omdia

5G State of Play - Analyst's Remarks

09:00 - 09:10

5G World Keynotes - Premium content

- Reviewing the global state of play for 5G
- Lessons learned from commercial launches
- 5G market expectations for 2021
- Comparing 5G monetisation models
- The 5G vertical services; expectations, challenges and reality

Participants

Dario Talmesio - Principal Analyst & Practice Leader, Omdia

Service Provider Keynote: The Profound Effect of 5G & AI for Economic Growth and Productivity

09:10 - 09:30

5G World Keynotes - Premium content

- 5G's contribution to the national economy and socio-economic benefits
- The catalyst role of national governments and regulators
- Improving national infrastructures; from healthcare to education and entertainment
- Converging networks to create connectivity powerhouses

Participants

Howard Watson - CTIO, British Telecom

Diamond Sponsor Keynote: Unleashing the true power of 5G

09:30 - 09:50

5G World Keynotes - Premium content

- What are the business models that will bring the 5G ROI?
- Evolving networks to bring new, agile and secure telecom services to market
- Grasping the opportunities from the roll out of advanced technologies; 5G NR, Core, Slicing, AI, Edge

CEO Panel: Monetising the revolution in communications infrastructure

09:50 - 10:20

5G World Keynotes - Premium content

- The consumer play; how much are consumers willing to pay for 5G?
- The 5G broadband opportunity
- Innovations in 5G consumer offering; what comes after smartphones?
- Which vertical markets will be monetised first?
- Do telcos understand the needs of the vertical markets?
- Structuring your business internally to sell to verticals

Participants

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

David Lynn - CEO, Viacom International Media Networks

Dave Dyson - CEO, Three UK

André Krause - CEO and COO, Sunrise

Martin Witt - CEO, 1 & 1 Drillisch

TURNING ON 5G ENERGY & UTILITIES TRACK

09:55 - 10:00

Enterprise 5G - Free content (Expo Stage)

Chair's opening remarks

10:00 - 10:10

Enterprise 5G - Free content (Expo Stage)

Participants

David Green - Research Manager – Smart Utilities Infrastructure, Omdia

Chair's Opening Remarks

10:00 - 10:10

Next-Gen Tech - Free content (Expo Stage)

Innovation in Utilities and the Transformative Power of 5G

10:10 - 10:30

Enterprise 5G - Free content (Expo Stage)

- Driving innovation: creative ways to build new solutions for customer and networks
- Creating capabilities: 5G private networks and 5G test-beds
- 5G roll out: deep-dive into Northumbria Water's cutting edge 5G projects
- From trial to scalability: problem-solving and solution roll out

Participants

Martin Jackson - Head of IT Strategy & Architecture and Head of IT Service & Operations, Northumbrian Water

5G New Radio

10:10 - 10:30

Next-Gen Tech - Free content (Expo Stage)

- Deployment in the Time Division Duplex (TDD) and frequency Division Duplex (FDD)
- Channel coding to boost 5G connectivity
- Release 16 and the next steps for 5G NR

Networking and refreshment break + Intelligent Matchmaking session *Invitation only

10:20 - 11:10

5G World Keynotes - Premium content

Cross-Sector Panel: Lessons Learnt in 5G

10:30 - 11:10

Enterprise 5G - Free content (Expo Stage)

- Understanding the impact of 5G across energy and utilities sector
- From water to electricity to oil: investigating the parallels and identifying new opportunities
- Building the smart grid: how can 5G support better connected networks
- Cross-sector coordination: shared interest and innovation efforts

Preparing for Standalone 5G

10:30 - 10:50

Next-Gen Tech - Free content (Expo Stage)

- 5G cells for signalling and information transfer
- Introducing 5G packet core: enhanced mobile broadband, massive machine-type communications ultra-reliability low-latency communication, and fixed wireless access
- SA timelines: when can we expect 'true' 5G

Speed Networking (Invite Only)

10:40 - 11:30

5G Ventures Stage - Free content (Expo Stage)

Taking a Slice of the 5G Pie

10:50 - 11:10

Next-Gen Tech - Free content (Expo Stage)

- Re-architecting the network to give customers control of their assets
- Commercial 5G and network slicing: what are the opportunities
- Control vs security: is there a paradox and how can we create both?

Service Provider Keynote: 5G in China

11:10 - 11:30

5G World Keynotes - Premium content

- Lesson's learned from the 5G launches in China
- Reviewing the shared infrastructure agreement and impact on the network roll-out
- Is China still on track to be the largest 5G market?
- China's 6G plans

Entering a Data World: Transformation and Opportunity

11:10 - 11:30

Enterprise 5G - Free content (Expo Stage)

- How will 5G unleash a new data revolution?
- Improving system management: identifying the opportunities of increased data collection
- Securing data servers: creating a secure 5G data system
- Risk management: identifying and preventing data risks

Don't Fall Over the Edge: Multi-Access Edge Computing for a 5G Future

11:10 - 11:40

Next-Gen Tech - Free content (Expo Stage)

- Creating use cases: how will MEC support the 'killer' 5G application?
- Installing and scaling mobile applications for a granular and dynamic service
- Who owns the edge? Ownership and infrastructure models

Platinum Sponsor Keynote: Transforming Hypergrowth into Competitive Advantage

11:30 - 11:50

5G World Keynotes - Premium content

- Monetising a cloud-native, service-based 5G core platform
- Open source software revolutionising telecoms
- Using DevOps for speedy software enhancements and releases
- Artificial intelligence for network automation

Participants

Virtyt Koshi - SVP and GM, EMEA, Mavenir

Connecting the 5G Smart Meter

11:30 - 11:50

Enterprise 5G - Free content (Expo Stage)

- Understanding the smart meter: connectivity and opportunity
- Data 101: how can 5G support greater data gathering on energy usage
- Improving the customer experience: understand the potential for 5G to transform and improve customer relationships

Participants

Philip Steele - Future Technologies Evangelist, Octopus Energy

Networking and Refreshment Break

11:40 - 12:10

Next-Gen Tech - Free content (Expo Stage)

Panel: En-route to full 5G

11:50 - 12:20

5G World Keynotes - Premium content

- Expectations for the 5G SA standards
- Deployment models and new services from commercial standalone and new core
- When will 5G SA become a mainstream technology?
- Learnings from mmWave deployments; technology limitations and commercial opportunities
- Dynamic spectrum sharing to achieve faster coverage
- The role and collaboration with hyperscalers for 5G
- Is open source the key to network and service differentiation?
- Relieving network congestion and realising low latency edge computing

Participants

Ibrahim Gedeon - CTO, TELUS

Michele Gamberini - Chief Technology and Innovation Officer, TIM

Christoph Aeschlimann - CTO, Swisscom

Making the Customer an Active Participant in the Energy System

11:50 - 12:30

Enterprise 5G - Free content (Expo Stage)

- Building customer engagement: the opportunities of 5G
- Understanding the customer: what do they want from their next-generation energy systems?
- Next generation applications: how will 5G drive new application to improve the customer experience
- Enabling new service bundles and increasing flexibility for customers
- From solar panels to electric vehicles: how will 5G support a more connected system

Participants

Panellist: Eric Brown - Chief Technology Officer, Energy Systems Catapult

OPTIMISING MANUFACTURING WITH 5G TRACK

11:55 - 12:00

5G Ventures Stage - Free content (Expo Stage)

Chair's opening remarks

12:00 - 12:10

5G Ventures Stage - Free content (Expo Stage)

Participants

Pablo Tomasi - Senior Analyst - IoT, Omdia

Testing times for 5G

12:10 - 12:30

Next-Gen Tech - Free content (Expo Stage)

- The RAN is the new Core
- What's the point of T&M anymore?
- Automate, locate, monetise

Participants

Paul Gowans - Global Director of Solutions Marketing, Viavi Solutions

From Trials to Commercial Use: Entering the 5G Age of Manufacturing

12:10 - 12:30

5G Ventures Stage - Free content (Expo Stage)

- From Trials to Commercial Use: Entering the 5G Age of Manufacturing
- 5G trials in manufacturing: identifying the most successful use cases
- Why is 5G the most opportune technology for the industry?
- Learning lessons across manufacturing: cross sector opportunities

Participants

Marko Yli-Pietilä - Head of Smart Operations, Stora Enso

Platinum Sponsor Keynote: Game Changers: Artificial Intelligence + 5G

12:20 - 12:40

5G World Keynotes - Premium content

- How will AI minimise complexities and enable the switch to 5G?
- Reviewing current applications of AI in 5G networks and benefits
- Defining the core areas with the highest potential for returns on AI investments; from network planning to revenue management
- What will AI's role be in customer engagement and experience?
- What are the data challenges AI adoption is creating?

Remote Network Management in a 5G Connected System

12:30 - 12:50

Enterprise 5G - Free content (Expo Stage)

- Improving equipment monitoring and managing readiness: how will 5G support better data collection
- Providing control and remote equipment reconfiguration: transforming interaction with network infrastructure
- Pre-empting problems: from understanding seismic activity to monitoring tolerance: 5G fleet management for great efficiency and less costs

vRAN – a 5G Gamechanger?

12:30 - 12:50

Next-Gen Tech - Free content (Expo Stage)

- vRAN and NFV: understanding technologies and implementation opportunity
- Making a flexible and dynamic system: smart control of the network
- Integrating vRAN into the common core network: how does this support 5G macro and 5G small cells deployment?

Factories of the Future

12:30 - 12:50

5G Ventures Stage - Free content (Expo Stage)

- 5G and IIoT: deep-dive into Industry 4.0
- Developing real-time 5G for complex ecosystems
- Most promising use cases: what 5G examples should we expect?
- Scaling up: from proof of concept to widescale adoption

Service Provider Keynote: KT Leading the 5G Industry

12:40 - 13:00

5G World Keynotes - Premium content

- 'Your Superpower, KT 5G' campaign
- How does bringing 5G to highways, airports and railways look like?
- Enabling 5G in large indoor spaces and the use cases enabled

Participants

Youngsoo Seo - SVP, Head of Network Technology Unit, KT

From Offshore to Onshore: Transforming Communications with 5G

12:50 - 13:10

Enterprise 5G - Free content (Expo Stage)

- Understanding the new applications supported by 5G
- Video communications, sensors and industrial IoT: unearthing the newest opportunities to transform connectivity
- Maintaining connectivity: how will 5G reduce downtime?

Open Source Virtual Systems

12:50 - 13:30

Next-Gen Tech - Free content (Expo Stage)

- 5G: the leading opportunity for open-source technologies
- From automation and orchestration to NFV and RAN – where can open source drive changes and technological advancements?
- Open-source: a telco dream or an industry future?
- Do we need standards in an age of open source?

5G Beyond the Factory

12:50 - 13:10

5G Ventures Stage - Free content (Expo Stage)

- From inside the factory to outside of it: what is the potential for 5G?
- Developing networks in a 5G-enabled world
- Identifying strengths: how 5G outside the factory can support manufacturing operations

Networking and lunch break

13:00 - 13:30

5G World Keynotes - Premium content

Entering the 5G Smart Grid

13:10 - 13:25

Enterprise 5G - Free content (Expo Stage)

- Distribution automation: creating an intelligent distribution grid
- Boosting flexibility: combining renewables and non-renewable energy in a connected system
- Monitoring and forecasting: how is 5G unlocking new opportunities to improve efficiency and better manage energy demands
- Sensors and smart system management: reducing the need for human intervention in networks

Sensing the Opportunities of 5G

13:10 - 13:30

5G Ventures Stage - Free content (Expo Stage)

- Transforming predictive maintenance through next-generation sensor control
- 5G digital procedures: revolutionising remote operations
- Is 5G case-ready? Questions that need answering in industry

Participants

Jens Schmidt - Global Manufacturing 4.0 Platform Lead for Sensors, Process Control and Process Automation, Dow Chemical Company

Chair's closing remarks

13:25 - 13:30

Enterprise 5G - Free content (Expo Stage)

Participants

David Green - Research Manager – Smart Utilities Infrastructure, Omdia

CONNECTED CITIES OF THE FUTURE TRACK

13:30 - 13:40

Enterprise 5G - Free content (Expo Stage)

Transforming the Edge with SDN

13:30 - 13:50

Next-Gen Tech - Free content (Expo Stage)

SESSIONS

MAIN CONFERENCE DAY 1 - 02/09/2020

5G World Summit

Workshops & Conference: 1 - 3 September 2020

Exhibition: 2 - 3 September 2020

ExCeL, London

Panel: The tech-trifecta: 5G, AI and IoT

13:30 - 14:10

5G Ventures Stage - Free content (Expo Stage)

- How will 5G, AI and IoT technologies drive the next industrial revolution?
- Driving productivity: investing in automation for even bigger savings
- Introducing predictive maintenance: 5G-powered AI to identify and prevent issues in production

Chair's Opening Remarks

13:40 - 13:50

Enterprise 5G - Free content (Expo Stage)

From Sci-Fi to Reality: Imagining Tomorrow's City

13:50 - 14:10

Enterprise 5G - Free content (Expo Stage)

- Reimagining the city: what can we expect from a 5G smart city?
- Tackling key challenges: identifying area primed for a smart revolution
- Empowering communities through 5G services
- Building hyper-connectivity: integrating 5G into city-planning

Introducing NFV 2.0

13:50 - 14:10

Next-Gen Tech - Free content (Expo Stage)

- Disrupting the NFV and SD-WAN market
- Identifying and overcoming challenges in deploying cloud-native applications
- From technology to business outcomes: developing new insights on virtualisation

Chair's Opening Remarks

14:00 - 14:05

Network Evolution - Premium content (Track 1)

Participants

Gabriel Brown - Principal Analyst, Omdia

Chair's Opening Remarks

14:00 - 14:05

5G New Products & Services - Premium content (Track 2)

Participants

Dario Talmesio - Principal Analyst & Practice Leader, Omdia

Chair's Opening Remarks

14:00 - 14:05

5G Cloud and Service Based Architecture - Premium content (Track 3)

Participants

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

Chair's Opening Remarks

14:00 - 14:05

Intelligent Networks and Automation - Premium content (Track 4)

Participants

James Crawshaw - Senior Analyst – Intelligent Networks & Automation, Heavy Reading

Service Provider Use Case: Supporting the World's Data Traffic Growth with 5G RAN

14:05 - 14:25

Network Evolution - Premium content (Track 1)

- Managing the cost of 5G RAN upgrades and densification
- Optimising network costs with virtualised RAN
- Fiberising to create a more robust network

Participants

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

Service Provider Use Case: Providing next-level in-stadium experiences: What are 5G early-starters and how to keep the innovation flowing?

14:05 - 14:25

5G New Products & Services - Premium content (Track 2)

- The challenge of making 5G matter for the consumer - what are early use cases and what can we expect in the near future?
- Vodafone's launch of providing next-level in-stadium experiences in the German Bundesliga - what can we learn from it and what's the role of 5G?
- How to succeed in the 5G consumer environment? What will characterise successful MNOs?

Participants

Nicolai Schattgen - Founder & CEO, Match-Maker Ventures

Michael Jakob Reinartz - Director Innovation & Consumer Services, Vodafone Germany

Service Provider Use Case: Telefonica's 5G SBA

14:05 - 14:25

5G Cloud and Service Based Architecture - Premium content (Track 3)

- Key elements to start SBA deployment
- Introduction of signaling layer and capabilities
- SBA integration for supporting 5G use cases
- Maturity and reality check
- Telefonica approach to SBA

Participants

Alexandre Harmand - Head of Core and Service Platforms, Telefonica Spain

Service Provider Use Case: An Automated Approach to 5G

14:05 - 14:25

Intelligent Networks and Automation - Premium content (Track 4)

- Successful implementations of AI in networks
- Using AI to reduce Capex
- Optimising network performance
- Building new revenue streams with AI
- What new data challenges is AI creating for telcos?

Participants

Richard Benjamins - Chief AI and Data Strategist, Telefónica

Evolving A People's Smart City

14:10 - 14:30

Enterprise 5G - Free content (Expo Stage)

- Promoting human-centred digital design: 5G and Fibre networks in communities and neighbourhoods
- Building city resilience with digital connectivity and data sharing
- Placing digital infrastructure into the city planning process
- Widening participation with smart creativity, a connected economy and digital skills
- Shaping city governance in the era of digital democracy

Participants

Matt Clifton - Smart City Programme Manager, Leicester City Council

Networking and Refreshment Break

14:10 - 14:40

Next-Gen Tech - Free content (Expo Stage)

Networking and Refreshment Break

14:10 - 14:40

5G Ventures Stage - Free content (Expo Stage)

SESSIONS

MAIN CONFERENCE DAY 1 - 02/09/2020

5G World Summit

Workshops & Conference: 1 - 3 September 2020

Exhibition: 2 - 3 September 2020

ExCeL, London

Sponsor's Address: Increasing Network Flexibility with Disaggregated and Virtualised 5G RAN

14:25 - 14:45

Network Evolution - Premium content (Track 1)

- Restructuring RAN with Cloud
- Achieving flexible orchestration for C-RAN based on service requirements
- The importance of open interfaces
- Disaggregating monolithic RAN systems
- Performing service-based slicing
- Using automation and orchestration for slicing

Participants

Marko Babovic - Vice President and Head of Product Management, Radio Access Business Unit, Mavenir

Enterprise Use Case: 5G-Powered Gaming Services

14:25 - 14:45

5G New Products & Services - Premium content (Track 2)

- What are the new FWA products coming to market in the next 24 months?
- WiFi 6 and 5G convergence
- What is FWA's role in bridging the rural connectivity gap?
- Advancing FWA service with beamforming and use of mmWave
- What role will neutral hosts play in FWA wider roll out?

Sponsor's Address: Getting to the Next Generation 5G Core Network

14:25 - 14:45

5G Cloud and Service Based Architecture - Premium content (Track 3)

- Reviewing the various migration paths to 5G
- Interworking of 4G and 5G to ensure 5G agility and rapid service delivery
- Ensuring a seamless handover between EPC and 5G core networks

Sponsor's Address: Boosting 5G RAN with AI

14:25 - 14:45

Intelligent Networks and Automation - Premium content (Track 4)

- Achieving intelligent initial access and handover
- Adding AI to the baseband to accelerate feedback loops
- Analysing traffic data and network load in real time

Participants

Chris Murphy - Regional CTO - EMEA, VIAVI Solutions

Towards 5G in the City of Tampere

14:30 - 14:50

Enterprise 5G - Free content (Expo Stage)

- Presenting the project Towards 5G in the City of Tampere - a private cloud-based LTE network
- How will the City of Tampere implement various experiments and pilots, such as smart mobility solutions in the network?
- In addition to traffic solutions, showing examples of how will the network enable product and service development related to any area of residents' lives, including authority services, waste management, education, housing, health and safety

Participants

Teppo Rantanen - Executive Director, City of Tampere

Designing Antennas to Reach 5G Speeds

14:40 - 15:00

Next-Gen Tech - Free content (Expo Stage)

- Passive and active antennas: supporting network management across antennas
- Advanced antenna systems: radio signals and signal processing
- SU-MIMO and MU-MIMO: managing sending and receiving layers through a good signal-to-interference-and-noise ratio

Imagining 5G Manufacturing Business Models

14:40 - 15:00

5G Ventures Stage - Free content (Expo Stage)

- Selling time on machines through a dedicated network
- Introducing the subscription model: the future for machines?
- Improving flexibility for specialised machine production in small batches

Panel: 5G Network Planning Best Practice

14:45 - 15:15

Network Evolution - Premium content (Track 1)

- How and when to do dynamic spectrum sharing
- Working across technology generations
- Infrastructure sharing
- Debating disaggregated RAN
- Exploiting 4G alongside 5G to improve coverage and capacity – who is this for?
- Who will deliver mMIMO?

Participants

Moderator: Gabriel Brown - Principal Analyst, Omdia

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

Panel: Reviewing the first FWA launches

14:45 - 15:15

5G New Products & Services - Premium content (Track 2)

- What are the new FWA products coming to market in the next 24 months?
- WiFi 6 and 5G convergence
- What is FWA's role in bridging the rural connectivity gap?
- Advancing FWA service with beamforming and use of mmWave
- What role will neutral hosts play in FWA wider roll out?

Participants

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

Lindsay Notwell - SVP, 5G Strategy & Global Carrier Operations, Cradlepoint

Andrea Lasagna - CTO, Fastweb

Panel: SBA Enabling the 5G Digital Transformation Promise

14:45 - 15:15

5G Cloud and Service Based Architecture - Premium content (Track 3)

- What are the SBA deployment timelines?
- Do service providers really need SBA in the near term?
- What are the key SBA functions to be among the first most likely deployed?
- Have we gone too far? Is SBA too complex to come to fruition?
- What are the key challenges that can slow the SBA rollout?
- Cloud Native architecture enabling ultimate agility and facilitating business innovation
- "Connectivity + computing" to guarantee whole network deterministic experience

Participants

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

Zoran Spasojevic - Network and Technology Managing Architect, O2

Muslim Elkotob - Principal Solutions Architect, Vodafone

Richard Band - Head of 5G Core, Hewlett Packard Enterprise

Panel: Applying AI Automation Across the Entire Lifecycle of Network Operations

14:45 - 15:15

Intelligent Networks and Automation - Premium content (Track 4)

This panel debates and analyses the applications of advanced intelligence in a series of critical telco operations

- Planning
- Delivery
- Onboarding
- Monitoring
- Updating
- Decommissioning

Participants

Panellist: Chris Murphy - Regional CTO - EMEA, VIAVI Solutions

Panellist: Shahryar Khan - Head of Automation & Systems, Transport Networks, GSO, Telia

Panellist: Jukka-Pekka Salmenkaita - Director, AI & Machine Learning, Elisa International Digital Services

Moderator: James Crawshaw - Senior Analyst - Intelligent Networks & Automation, Heavy Reading

Learning from the Smartest (City)

14:50 - 15:10

Enterprise 5G - Free content (Expo Stage)

This session will welcome one of the world's smartest cities to explore the reasons behind their smart projects and to deep dive into the smart developments that are transforming the city, and the lives of residents

Participants

Bartosz Bartoszewicz - Deputy Mayor, City of Gdynia

Ensuring Fronthaul has the Capacity for 5G

15:00 - 15:20

Next-Gen Tech - Free content (Expo Stage)

- Connecting centralised baseband controllers and standalone radio heads
- Coping with increased demand: can the Common Public Radio Interface (CPRI) ensure capacity, reach and latency requirements
- Centralised RAN (CRAN) or Distributed RAN (DRAN): building fronthaul services to meet the demands of 5G

Understanding the Business Potential of Industrial 5G

15:00 - 15:40

5G Ventures Stage - Free content (Expo Stage)

- Industry grade wireless networks for industrial use cases: what are the costs?
- Redesigning ecosystems: identifying the benefits of 5G over other technologies
- What is the 5G ROI?

Participants

Panellist: Ulrich Dropmann - Member of the Board, 5G-ACIA

Redesigning Urban Mobility for 5G

15:10 - 15:30

Enterprise 5G - Free content (Expo Stage)

- Smart roads, smart traffic management and smart cars: transforming roadways
- Beating the traffic jams: how can 5G reduce congestion and emissions?
- Preparing for the smart vehicle: how will mass adoption of electric and smart vehicles transform the roads?

Participants

Ruth Anderson - Data & Digital Lead, Oxfordshire County Council

Service Provider Use Case: The Evolution of RAN Architectures

15:15 - 15:35

Network Evolution - Premium content (Track 1)

- Building more intelligence in the RAN
- Integration of vendor open APIs
- Frameworks to manage and optimise open systems
- Achieving zero touch configuration networks
- Ultra-lean design for improved energy performance

Sponsor's Address: Home broadband: Can 5G challenge fibre?

15:15 - 15:35

5G New Products & Services - Premium content (Track 2)

- How will 5G enhance the current broadband telco offering?
- What are consumers willing to pay for 5G broadband?
- Raising 5G awareness and creating need in the broadband consumer market

Participants

Anders Storm - CEO, Sivers IMA

Sponsor's Address: 4G to 5G transition planning: Evolution through co-existence

15:15 - 15:35

5G Cloud and Service Based Architecture - Premium content (Track 3)

- How to deliver a continuous service experience across multiple networks and technologies?
- How can multiple networks, by a variety of vendors, work smoothly together?
- Practices of gradual subscribers migrations
- What is the function of the Core network in this?
- 5G Core network - openness and co-existence design imperatives

Participants

Richard Band - Head of 5G Core, Hewlett Packard Enterprise

Service Provider Use Case: Winning Customer Experience Game with AI and Analytics

15:15 - 15:35

Intelligent Networks and Automation - Premium content (Track 4)

- Applications of AI to improve customer loyalty
- Reducing costly human-staffed call centres
- Presenting the right messages to the right audience at the right time

Participants

Matti Manninen - Head of Department, Analytics (Network Services), Elisa

Signalling a 5G Future

15:20 - 15:40

Next-Gen Tech - Free content (Expo Stage)

- Routing and controlling 5G signalling messages
- Building security and efficiency: network traffic management and resilient traffic paths
- Interoperability between and within networks: what is the role of signalling in 5G?

Panel: Logistics in a Consumer World

15:30 - 16:10

Enterprise 5G - Free content (Expo Stage)

- From the warehouse to the roads: identifying the 5G opportunity
- 5G smart deliveries: imagining services from underground tunnels to lockers
- Transforming the last mile: 5G and smart city technology to support the last mile revolution

Networking and refreshment break

15:35 - 16:10

Network Evolution - Premium content (Track 1)

Networking and refreshment break

15:35 - 16:10

5G New Products & Services - Premium content (Track 2)

Networking and refreshment break

15:35 - 16:10

5G Cloud and Service Based Architecture - Premium content (Track 3)

Networking and refreshment break

15:35 - 16:10

Intelligent Networks and Automation - Premium content (Track 4)

Networking and Refreshment Break

15:40 - 16:00

Next-Gen Tech - Free content (Expo Stage)

Secure 5G Connections: Cyber Security in Industry

15:40 - 16:00

5G Ventures Stage - Free content (Expo Stage)

- Ensuring security: preventing cyber attacks
- Challenges and opportunities in secure 5G network connections
- 5G: the most secure solution?

From 5G Deployment to 5G Commercialisation

16:00 - 16:40

Next-Gen Tech - Free content (Expo Stage)

- Understanding the ecosystem: what is the role of systems integrators and how is it evolving with 5G?
- Network management and optimisation: how can systems integrators help prepare operators to dive into new B2B verticals
- Competition or cooperation: what can we expect from systems integrators in the advent of 5G

Building Industry-Ready Private 5G Networks

16:00 - 16:20

5G Ventures Stage - Free content (Expo Stage)

- Matching private networks to business ambitions
- Will private networks accelerate Industry 4.0?
- Tech deep-dive: preparing for 5G private networks

Participants

Khalid Aziz - SVP Head of Global Ventures, Signify

Service Provider Use Case: The Network Evolution of A1 Towards a Consumable 5G Network

16:10 - 16:30

Network Evolution - Premium content (Track 1)

- Steps taken in by A1 towards a 5G Architecture in Core, Transport and RAN
- First experience from launching 5G in Austria
- A1's aim and strategy to make the network consumable for our customers and first findings

Participants

Kurt Schlager - Head of Network Evolution, A1 Telekom Austria Group

Globe Telecom Use Case: Launching Southeast Asia's first 5G Broadband Service

16:10 - 16:30

5G New Products & Services - Premium content (Track 2)

Participants

Martha Sazon - SVP Broadband Business, Globe Telecom

Sponsor's Address: Preparing for the Impending Data Complexity of 5G

16:10 - 16:30

5G Cloud and Service Based Architecture - Premium content (Track 3)

- Reaping the Benefits of Unified Data Management in 5G
- Creating a common data layer for flexibility and agility
- Achieving data consistency and simplified network architecture
- Why UDM is critical to reach the full 5G potential

Sponsor's Address: Closed loop automation for agile operations

16:10 - 16:30

Intelligent Networks and Automation - Premium content (Track 4)

- Paving the way for self-driving networks
- Integrating service assurance with network optimisation to minimise downtime
- Assuring network slicing

Panel: Smart and Sustainable – building the city-planner dream

16:10 - 16:50

Enterprise 5G - Free content (Expo Stage)

- Does smart mean sustainable?
- Reducing consumption: how 5G smart cities can reduce energy usage and improve energy management
- Becoming Net Zero: challenges and opportunities for the smart city

Private 5G and Manufacturing: What Should We Expect?

16:20 - 17:00

5G Ventures Stage - Free content (Expo Stage)

- Private vs public networks: identifying where the best solutions lie
- Cost vs benefits: what are the options for building a private network?
- Combining public and private for the dual-slice advantage
- Private networks and spectrum: challenges and opportunities for governments and industry

Participants

Jesper Toubøl - Vice President, Elements and Moulds – Engineering, LEGO Group

Sponsor's Address: Dynamic Spectrum Sharing to Accelerate 5G Deployments

16:30 - 16:50

Network Evolution - Premium content (Track 1)

- Using network software to operate 5G and LTE in the same band
- Reviewing telco strategies monetising DSS
- What are the test and measurement related challenges DSS challenges?

Sponsor's Address: Use Case: Bringing a New Tactile Dimension to Entertainment

16:30 - 16:50

5G New Products & Services - Premium content (Track 2)

- How will media production studios adopt 5G?
- Reviewing broadcast and cable TV 5G-based opportunities and new services
- New business models and immersive interactive experiences that will revolutionise the industry
- What do consumers want from 5G entertainment?

Panel: Achieving Deployment Flexibility and Efficiency in Resource Utilisation with End-to-End Network Slicing

16:30 - 17:00

5G Cloud and Service Based Architecture - Premium content (Track 3)

- How can slicing reduce network construction costs?
- Protecting slices against each other
- Which cloud environment will work better for slicing?
- Meeting the isolation criteria the industry requires
- Multi-dimensional dynamic slicing to meet differentiated requirements and guarantee deterministic SLA

Participants

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

David Stokes - Senior Portfolio Marketing Manager, ECI

Data and AI in Telco Operations

16:30 - 16:50

Intelligent Networks and Automation - Premium content (Track 4)

- What new data challenges is Data & AI creating for telcos?
- What is necessary as a telco to become data driven?
- What does data driven mean?
- Successful implementations of AI in networks Using AI to reduce CAPEX
- Optimising network performance

Participants

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

Network Verification in Readiness for 5G

16:40 - 17:00

Next-Gen Tech - Free content (Expo Stage)

- What is the role of systems operators in the verification process?
- Testing services to optimise 5G delivery
- Meeting the 5G promises: ensuring the network delivers on bandwidth and latency promises
- Preparing for technology migration: ensuring the network is prepared for the next-generation advancements

Service Provider Use Case: 5G RAN Slicing and Optimisation

16:50 - 17:10

Network Evolution - Premium content (Track 1)

- What challenges emerge when 5G networks are designed based on slicing?
- Architectural aspects when dedicated and shared sliced co-exist
- Reviewing the revenue potential of network slicing

Participants

Satoshi Konishi - Head of Next Generation (5G) Network Development Department, KDDI

Panel: What are the business models for consumer 5G?

16:50 - 17:10

5G New Products & Services - Premium content (Track 2)

- Reviewing the success factors for consumer 5G
- What are the short- and long-term opportunities in 5G?
- Which are the use cases for consumer 5G?
- What price are consumers prepared to pay for 5G?
- Comparing 5G pricing models
- Device readiness – beyond smartphones
- How will 5G change customer experience for telco services?

Participants

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

Daniela Petrovic - Transformation Delivery Director, O2

Dan Heywood - Technical Director, Virgin Mobile UAE

Sponsor's Address: Optimising your Mobile Network with SON

16:50 - 17:10

Intelligent Networks and Automation - Premium content (Track 4)

- The functional areas of SON: from self-configuration to self-learning
- Cutting edge SON technologies
- Reviewing SON use cases
- Anticipating future implementations of SON; Advanced analytics, NFV, Cloud, AI, Slicing, and more

Privacy and Security in a World of Emerging Technologies

16:50 - 17:10

Enterprise 5G - Free content (Expo Stage)

- Navigating data protection within the city
- Imagining next-generation technologies for the smart city
- Privacy and security in a world of AI and facial recognition: do new technologies build a safer city or put us more at risk?
- Ensuring secure connections: is 5G security paramount to the future of the smart city?

Sponsor's Address: How to Effectively Manage 5G Data in the Cloud

17:00 - 17:20

5G Cloud and Service Based Architecture - Premium content (Track 3)

- Leveraging the flexibility of Unified Data Management (UDM)
- Managing all types of data in a Unified Data Repository (UDR/UDSF)
- Assuring data consistency with an optimised network architecture
- Scaling the capacity of the data management system and monetising the data

Participants

Oliver Korfmacher - VP, ENEA

Chair's Closing Remarks

17:00 - 17:10

Next-Gen Tech - Free content (Expo Stage)

Chair's closing remarks

17:00 - 17:10

5G Ventures Stage - Free content (Expo Stage)

Participants

Pablo Tomasi - Senior Analyst - IoT, Omdia

Panel: Redefining the Access Network

17:10 - 17:40

Network Evolution - Premium content (Track 1)

- 5G RAN architecture design best practice
- Deploying 5G radio network base stations
- What are the 5G cell site access and backhaul requirements

Participants

Moderator: Gabriel Brown - Principal Analyst, Omdia

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

Fireside chat: Managing the Partner Ecosystem

17:10 - 17:30

5G New Products & Services - Premium content (Track 2)

- Getting ready to work with a host of different players and partners
- The role of OSS/BSS vendors in supporting telcos in managing the partner ecosystem
- Managing the co-creation of services process
- The role of APIs in ecosystem management

Applying Intelligence at the Fronthaul Network Architecture

17:10 - 17:30

Intelligent Networks and Automation - Premium content (Track 4)

- Using AI for traffic pattern estimation and prediction
- Performing flexible functional split

Chair's Closing Remarks

17:10 - 17:20

Enterprise 5G - Free content (Expo Stage)

Sponsor's Address: Policy and Charging Control Frameworks for 5G

17:20 - 17:40

5G Cloud and Service Based Architecture - Premium content (Track 3)

- How are PCRF functions developing to support 5G?
- Rethinking how information is used for improved customer experience
- Considerations for your migration
- Dynamically adjusting policies to achieve the flexibility required for 5G
- Innovative database technologies to support your PCRF management

DevOps Processes Fuelling Innovation

17:30 - 17:50

Intelligent Networks and Automation - Premium content (Track 4)

- Creating the automation and ecosystem of DevOps tools
- Improving processes and aligning organisational structures
- The benefits of continuous testing and feedback loops
- Defining and validating new services with DevOps practices

Sponsor's Address: First results from benchmarking of commercial 5G mobile networks

17:40 - 18:10

Network Evolution - Premium content (Track 1)

- Initial benchmarking results of selected 5G networks
- Does the benchmarking process remain the same for 5G?
- Introducing a new test methodology for testing 5G QoE

Participants

Michael Lorenz - Senior Application Engineer, Rohde & Schwarz

Sponsor's Address: How long can service providers hang on to their current EPC systems?

17:40 - 18:00

5G Cloud and Service Based Architecture - Premium content (Track 3)

- How old is your EPC?
- Is your EPC still fully running on hardware?
- Is your EPC running out of capacity?
- Have you virtualized parts or your whole EPC (e.g., MME and gateways)
- How many mobile operators are running a vEPC?
- Is VoLTE running over a vEPC? What's the migration path to VoNR, if any?

SCHEDULE

MAIN CONFERENCE DAY 1 - 02/09/2020

5G World Summit

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Exhibition: 2 - 3 September 2020

ExCeL, London

TIME	5G CLOUD AND SERVICE BASED ARCHITECTURE - PREMIUM CONTENT (TRACK 3)	5G NEW PRODUCTS & SERVICES - PREMIUM CONTENT (TRACK 2)	5G VENTURES STAGE - FREE CONTENT (EXPO STAGE)	5G WORLD KEYNOTES - PREMIUM CONTENT	ENTERPRISE 5G - FREE CONTENT (EXPO STAGE)	INTELLIGENT NETWORKS AND AUTOMATION - PREMIUM CONTENT (TRACK 4)	NETWORK EVOLUTION - PREMIUM CONTENT (TRACK 1)	NEXT-GEN TECH - FREE CONTENT (EXPO STAGE)
08:00				08:50 - Chair's Opening Remarks				
09:00				09:00 - 5G State of Play - Analyst's Remarks 09:10 - Service Provider Keynote: The Profound Effect of 5G & AI for Economic Growth and Productivity 09:30 - Diamond Sponsor Keynote: Unleashing the true power of 5G 09:50 - CEO Panel: Monetising the revolution in communications infrastructure	09:55 - TURNING ON 5G ENERGY & UTILITIES TRACK			
10:00			10:40 - Speed Networking (Invite Only)	10:20 - Networking and refreshment break + Intelligent Matchmaking session *Invitation only	10:00 - Chair's opening remarks 10:10 - Innovation in Utilities and the Transformative Power of 5G 10:30 - Cross-Sector Panel: Lessons Learnt in 5G			10:00 - Chair's Opening Remarks 10:10 - 5G New Radio 10:30 - Preparing for Standalone 5G 10:50 - Taking a Slice of the 5G Pie

SCHEDULE

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TIME	5G CLOUD AND SERVICE BASED ARCHITECTURE - PREMIUM CONTENT (TRACK 3)	5G NEW PRODUCTS & SERVICES - PREMIUM CONTENT (TRACK 2)	5G VENTURES STAGE - FREE CONTENT (EXPO STAGE)	5G WORLD KEYNOTES - PREMIUM CONTENT	ENTERPRISE 5G - FREE CONTENT (EXPO STAGE)	INTELLIGENT NETWORKS AND AUTOMATION - PREMIUM CONTENT (TRACK 4)	NETWORK EVOLUTION - PREMIUM CONTENT (TRACK 1)	NEXT-GEN TECH - FREE CONTENT (EXPO STAGE)
11:00			11:55 - OPTIMISING MANUFACTURING WITH 5G TRACK	11:10 - Service Provider Keynote: 5G in China 11:30 - Platinum Sponsor Keynote: Transforming Hyper-growth into Competitive Advantage 11:50 - Panel: En-route to full 5G	11:10 - Entering a Data World: Transformation and Opportunity 11:30 - Connecting the 5G Smart Meter 11:50 - Making the Customer an Active Participant in the Energy System			11:10 - Don't Fall Over the Edge: Multi-Access Edge Computing for a 5G Future 11:40 - Networking and Refreshment Break
12:00			12:00 - Chair's opening remarks 12:10 - From Trials to Commercial Use: Entering the 5G Age of Manufacturing 12:30 - Factories of the Future 12:50 - 5G Beyond the Factory	12:20 - Platinum Sponsor Keynote: Game Changers: Artificial Intelligence + 5G 12:40 - Service Provider Keynote: KT Leading the 5G Industry	12:30 - Remote Network Management in a 5G Connected System 12:50 - From Offshore to Onshore: Transforming Communications with 5G			12:10 - Testing times for 5G 12:30 - vRAN – a 5G Gamechanger? 12:50 - Open Source Virtual Systems

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TIME	5G CLOUD AND SERVICE BASED ARCHITECTURE - PREMIUM CONTENT (TRACK 3)	5G NEW PRODUCTS & SERVICES - PREMIUM CONTENT (TRACK 2)	5G VENTURES STAGE - FREE CONTENT (EXPO STAGE)	5G WORLD KEYNOTES - PREMIUM CONTENT	ENTERPRISE 5G - FREE CONTENT (EXPO STAGE)	INTELLIGENT NETWORKS AND AUTOMATION - PREMIUM CONTENT (TRACK 4)	NETWORK EVOLUTION - PREMIUM CONTENT (TRACK 1)	NEXT-GEN TECH - FREE CONTENT (EXPO STAGE)
13:00			<p>13:10 - Sensing the Opportunities of 5G</p> <p>13:30 - Panel: The tech-trifecta: 5G, AI and IoT</p>	<p>13:00 - Networking and lunch break</p>	<p>13:10 - Entering the 5G Smart Grid</p> <p>13:25 - Chair's closing remarks</p> <p>13:30 - CONNECTED CITIES OF THE FUTURE TRACK</p> <p>13:40 - Chair's Opening Remarks</p> <p>13:50 - From Sci-Fi to Reality: Imagining Tomorrow's City</p>			<p>13:30 - Transforming the Edge with SDN</p> <p>13:50 - Introducing NFV 2.0</p>
14:00	<p>14:00 - Chair's Opening Remarks</p> <p>14:05 - Service Provider Use Case: Telefonica's 5G SBA</p> <p>14:25 - Sponsor's Address: Getting to the Next Generation 5G Core Network</p> <p>14:45 - Panel: SBA Enabling the 5G Digital Transformation Promise</p>	<p>14:00 - Chair's Opening Remarks</p> <p>14:05 - Service Provider Use Case: Providing next-level in-stadium experiences: What are 5G early-starters and how to keep the innovation flowing?</p> <p>14:25 - Enterprise Use Case: 5G-Powered Gaming Services</p> <p>14:45 - Panel: Reviewing the first FWA launches</p>	<p>14:10 - Networking and Refreshment Break</p> <p>14:40 - Imagining 5G Manufacturing Business Models</p>		<p>14:10 - Evolving A People's Smart City</p> <p>14:30 - Towards 5G in the City of Tampere</p> <p>14:50 - Learning from the Smartest (City)</p>	<p>14:00 - Chair's Opening Remarks</p> <p>14:05 - Service Provider Use Case: An Automated Approach to 5G</p> <p>14:25 - Sponsor's Address: Boosting 5G RAN with AI</p> <p>14:45 - Panel: Applying AI Automation Across the Entire Lifecycle of Network Operations</p>	<p>14:00 - Chair's Opening Remarks</p> <p>14:05 - Service Provider Use Case: Supporting the World's Data Traffic Growth with 5G RAN</p> <p>14:25 - Sponsor's Address: Increasing Network Flexibility with Disaggregated and Virtualised 5G RAN</p> <p>14:45 - Panel: 5G Network Planning Best Practice</p>	<p>14:10 - Networking and Refreshment Break</p> <p>14:40 - Designing Antennas to Reach 5G Speeds</p>

SCHEDULE

MAIN CONFERENCE DAY 1 - 02/09/2020

5G World Summit

Workshops & Conference: 1 - 3 September 2020

Exhibition: 2 - 3 September 2020

ExCeL, London

TIME	5G CLOUD AND SERVICE BASED ARCHITECTURE - PREMIUM CONTENT (TRACK 3)	5G NEW PRODUCTS & SERVICES - PREMIUM CONTENT (TRACK 2)	5G VENTURES STAGE - FREE CONTENT (EXPO STAGE)	5G WORLD KEYNOTES - PREMIUM CONTENT	ENTERPRISE 5G - FREE CONTENT (EXPO STAGE)	INTELLIGENT NETWORKS AND AUTOMATION - PREMIUM CONTENT (TRACK 4)	NETWORK EVOLUTION - PREMIUM CONTENT (TRACK 1)	NEXT-GEN TECH - FREE CONTENT (EXPO STAGE)
15:00	<p>15:15 - Sponsor's Address: 4G to 5G transition planning: Evolution through co-existence</p> <p>15:35 - Networking and refreshment break</p>	<p>15:15 - Sponsor's Address: Home broadband: Can 5G challenge fibre?</p> <p>15:35 - Networking and refreshment break</p>	<p>15:00 - Understanding the Business Potential of Industrial 5G</p> <p>15:40 - Secure 5G Connections: Cyber Security in Industry</p>		<p>15:10 - Redesigning Urban Mobility for 5G</p> <p>15:30 - Panel: Logistics in a Consumer World</p>	<p>15:15 - Service Provider Use Case: Winning Customer Experience Game with AI and Analytics</p> <p>15:35 - Networking and refreshment break</p>	<p>15:15 - Service Provider Use Case: The Evolution of RAN Architectures</p> <p>15:35 - Networking and refreshment break</p>	<p>15:00 - Ensuring Fronthaul has the Capacity for 5G</p> <p>15:20 - Signalling a 5G Future</p> <p>15:40 - Networking and Refreshment Break</p>
16:00	<p>16:10 - Sponsor's Address: Preparing for the Impending Data Complexity of 5G</p> <p>16:30 - Panel: Achieving Deployment Flexibility and Efficiency in Resource Utilisation with End-to-End Network Slicing</p>	<p>16:10 - Globe Telecom Use Case: Launching Southeast Asia's first 5G Broadband Service</p> <p>16:30 - Sponsor's Address: Use Case: Bringing a New Tactile Dimension to Entertainment</p> <p>16:50 - Panel: What are the business models for consumer 5G?</p>	<p>16:00 - Building Industry-Ready Private 5G Networks</p> <p>16:20 - Private 5G and Manufacturing: What Should We Expect?</p>		<p>16:10 - Panel: Smart and Sustainable – building the city-planner dream</p> <p>16:50 - Privacy and Security in a World of Emerging Technologies</p>	<p>16:10 - Sponsor's Address: Closed loop automation for agile operations</p> <p>16:30 - Data and AI in Telco Operations</p> <p>16:50 - Sponsor's Address: Optimising your Mobile Network with SON</p>	<p>16:10 - Service Provider Use Case: The Network Evolution of A1 Towards a Consumable 5G Network</p> <p>16:30 - Sponsor's Address: Dynamic Spectrum Sharing to Accelerate 5G Deployments</p> <p>16:50 - Service Provider Use Case: 5G RAN Slicing and Optimisation</p>	<p>16:00 - From 5G Deployment to 5G Commercialisation</p> <p>16:40 - Network Verification in Readiness for 5G</p>

SCHEDULE

MAIN CONFERENCE DAY 1 - 02/09/2020

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17:00	<p>17:00 - Sponsor's Address: How to Effectively Manage 5G Data in the Cloud</p> <p>17:20 - Sponsor's Address: Policy and Charging Control Frameworks for 5G</p> <p>17:40 - Sponsor's Address: How long can service providers hang on to their current EPC systems?</p>	<p>17:10 - Fireside chat: Managing the Partner Ecosystem</p>	<p>17:00 - Chair's closing remarks</p>		<p>17:10 - Chair's Closing Remarks</p>	<p>17:10 - Applying Intelligence at the Fronthaul Network Architecture</p> <p>17:30 - DevOps Processes Fuelling Innovation</p>	<p>17:10 - Panel: Redefining the Access Network</p> <p>17:40 - Sponsor's Address: First results from benchmarking of commercial 5G mobile networks</p>	<p>17:00 - Chair's Closing Remarks</p>

SESSIONS

MAIN CONFERENCE DAY 2 - 03/09/2020

5G World Summit

Workshops & Conference: 1 - 3 September 2020

Exhibition: 2 - 3 September 2020

ExCeL, London

Chair's Opening Remarks

09:00 - 09:05

5G World Keynotes - Premium content

Participants

Mike Roberts - Research Director, Omdia

Service Provider Keynote: SK Telecom's 5G vision

09:05 - 09:25

5G World Keynotes - Premium content

- How SK Telecom reached 2.5M 5G connections
- Launching 5G Roaming
- Using 5G Core to deliver new services to the vertical markets
- What are the vertical use cases enabled by 5G for SK Telecom?
- SK's 5G standalone commercialisation

Participants

Jongkwan Park - SVP and Head of 5GX Labs, SK Telecom

Platinum Sponsor Keynote: Revolutionising how Telecoms Network Infrastructure is Built

09:25 - 09:45

5G World Keynotes - Premium content

- How does a full Cloud-Native network look like?
- Hyperscale and Hyperconverge
- Data centres: balancing the edge

Participants

Gilad Garon - CEO, ASOCS

Panel: How will 5G Redefine Telcos?

09:45 - 10:15

5G World Keynotes - Premium content

- Will 5G solve the telcos' greatest challenges?
- Will 5G recast customer value propositions?
- How are internal business structures being reshaped to respond to the 5G needs?
- Accelerating industrial transformation
- Network slicing enabling highly differentiated services
- What are the new paradigms of network operation and service creation
- What are the reskilling requirements to migrate to 5G

Participants

Terje Jensen - SVP Network Architecture, Telenor Group

Scott Petty - CTO, Vodafone UK

Gilad Garon - CEO, ASOCS

5G HEALTHCARE TRACK

09:55 - 10:00

Enterprise 5G - Free content (Expo Stage)

DRIVING TRANSPORT TOWARDS 5G TRACK

09:55 - 10:00

5G Ventures Stage - Free content (Expo Stage)

Chair's Opening Remarks

10:00 - 10:10

Enterprise 5G - Free content (Expo Stage)

Enterprise Power Hour

10:00 - 11:00

Next-Gen Tech - Free content (Expo Stage)

This innovative networking format allows you to meet with multiple peers to discuss current projects and future challenges.

Join specially selected telecoms leaders, conference speakers, analysts and solution providers over refreshments during this dedicated networking session.

Chair's Opening Remarks

10:00 - 10:10

5G Ventures Stage - Free content (Expo Stage)

Participants

David Wong - Senior Technology and Innovation Manager, Society of Motor Manufacturers and Traders (SMMT)

Reimagining the Health Service with Next Generation Technologies

10:10 - 10:30

Enterprise 5G - Free content (Expo Stage)

- What is the 5G potential in healthcare?
- Envisaging new services: understanding timelines for roll out
- Can healthcare regulation keep up? Are we ready for 5G offerings?

Building a City Which Supports the Connected Journey

10:10 - 10:30

5G Ventures Stage - Free content (Expo Stage)

- What are TfL's plans for improving the customer journey?
- Bikes, busses, trains, underground and taxis: what is the future of London transport?
- Understanding plans for 5G: what will the impact be for transport?

Participants

Helen Ursell - Principal Transport Planner, Transport for West Midlands

Networking and refreshment break + Intelligent Matchmaking session *Invitation only

10:15 - 11:00

5G World Keynotes - Premium content

Supporting in-person care through 5G services

10:30 - 10:50

Enterprise 5G - Free content (Expo Stage)

- Understanding the patient: accessing data through connected medical devices
- GP, ambulance and hospital experience: how 5G will support a connected patient journey
- Utilising 5G network infrastructure for consultations and diagnostics

A Connected Customer Journey

10:30 - 11:10

5G Ventures Stage - Free content (Expo Stage)

- Understanding the traveller: what do people want from their journeys?
- What does the customer journey look like in a 5G world?
- 5G applications in transport: what should we expect from vehicles?
- Mobility as a service: understanding the potential for transport
- Understanding data: how will 5G-enhanced data drive better services

Participants

Panellist: Ian Plummer - Manufacturer and Agency Director, AutoTrader

Panellist: George Economides MCIHT - Future Mobility Team Leader, Oxfordshire County Council

SESSIONS

MAIN CONFERENCE DAY 2 - 03/09/2020

5G World Summit

Workshops & Conference: 1 - 3 September 2020

Exhibition: 2 - 3 September 2020

ExCeL, London

Case Study: Telemedicine to Reduce Costs and Promote Health

10:50 - 11:10

Enterprise 5G - Free content (Expo Stage)

- Powering remote diagnosis to reduce the strain on hospitals and doctors' surgeries
- In-home health monitoring powered by 5G and AI
- Real-time monitoring for remote patients: identifying deterioration in real-time

Service Provider Keynote: 5G Built Right: The US perspective

11:00 - 11:20

5G World Keynotes - Premium content

- Redefining what's possible with 5G
- What do American consumers expect from 5G?
- Helping businesses increase efficiency and drive innovation with 5G
- Increasing coverage and capacity for the world's largest economy
- Utilising mmwave for 5G

Participants

Igal Elbaz - SVP, Wireless Technology and Experience Delivery, AT&T

A 5G KEY TO SUSTAINABILITY TRACK

11:00 - 11:05

Next-Gen Tech - Free content (Expo Stage)

Chair's Opening Remarks

11:05 - 11:10

Next-Gen Tech - Free content (Expo Stage)

Case Study: Eldercare of the Future

11:10 - 11:30

Enterprise 5G - Free content (Expo Stage)

- Reducing the need for long hospital stays and taking the pressure off home-care services
- Sensors and 5G: providing real-time help for those in need
- Creating 5G services for the less tech-savvy

Understand the Telco Carbon Footprint

11:10 - 11:30

Next-Gen Tech - Free content (Expo Stage)

- What is the telecommunications carbon footprint?
- 5G and network densification: driving increased energy needs
- 5G, IoT and automation: telco tools for sustainable services
- Carbon offsetting: is this enough?

Participants

Luis Neves - Chief Executive Officer, Global e-Sustainability Initiative (GeSI)

The 5G 'Killer' Transport App

11:10 - 11:30

5G Ventures Stage - Free content (Expo Stage)

- Transport apps for a 5G world
- Understanding data: how will 5G-enhanced data drive better services
- Mobility as a service: understanding the potential for transport

Platinum Sponsor Keynote: 5G - A Reality Check

11:20 - 11:40

5G World Keynotes - Premium content

- The 5G device ecosystem; from smartphones to FWA, cars, laptops and more
- Realising the 5G potential requires beamforming
- Bringing 5G to low-bands and enabling FDD and DSS
- Reviewing pilots and how the feed into commercial standalone and new core 5G

Case Study: Reimagining Rehab Services Through 5G Connectivity

11:30 - 11:50

Enterprise 5G - Free content (Expo Stage)

- What is Immersive Rehab?
- How 5G can enhance operations and support widespread implementation of services
- From hospitals to remote settings: using technology to transform healthcare services

Participants

Isabel Van De Keere - Founder & CEO, Immersive Rehab

Building Energy Efficient 5G Infrastructure

11:30 - 11:50

Next-Gen Tech - Free content (Expo Stage)

- Sourcing sustainable materials for 5G infrastructure
- Reducing wastage: managing infrastructure in a densified network
- Improving the antenna with meta material: reducing equipment costs and energy consumption

Networking and Refreshment Break

11:30 - 12:00

5G Ventures Stage - Free content (Expo Stage)

Service Provider Keynote: Bringing Exponentially Faster, Real-Time Communications to Germany

11:40 - 12:00

5G World Keynotes - Premium content

- Digitising your value chain and revolutionising the end-to-end telco structures to respond to the 5G opportunities
- 5G industrial campus networks as the foundation for Industry 4.0; challenges and opportunities for Telcos
- Germany's shared infrastructure partnership plans to improve network coverage
- Views on the German spectrum auction

Panel: What's next? Imaging 5G Potential in Healthcare

11:50 - 12:30

Enterprise 5G - Free content (Expo Stage)

- Transforming rural healthcare through remote services
- 5G surgery: tele-presence to tele-surgery for optimal patient care
- 5G healthcare: are there limitless possibilities?

Panel: Reducing Energy Needs for 5G Services

11:50 - 12:30

Next-Gen Tech - Free content (Expo Stage)

- How can energy providers and service providers coordinate for a reduced carbon footprint?
- The problem with renewables: are they efficient enough for the industry?
- Introducing self-sufficient telecom stations and antennas: the power or renewable

Platinum Sponsor Keynote: Experiences from Using 5G

12:00 - 12:20

5G World Keynotes - Premium content

- How are leading operators attempting to monetise 5G?
- What are the key challenges operators have faced when launching 5G? How can they be overcome?
- Cutting edge technologies that can make or break your 5G roll out

Big Data and Vehicle Management Applications

12:00 - 12:20

5G Ventures Stage - Free content (Expo Stage)

- Powering change through data: how will 5G improve vehicle management?
- What new infotainment applications can we expect from 5G?

Enterprise Debate: 5G – End-Goal or Enabler for the Vertical Markets?

12:20 - 12:50

5G World Keynotes - Premium content

This interactive session will host prominent enterprise brands debating their expectations, needs and concerns for 5G

- How will 5G transform vertical markets?
- What are the enterprises' concerns over 5G?
- What do enterprises expect from their connectivity provider?
- Private networks and spectrum ownership for verticals

Participants

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

Vinod Kumar - CEO, Vodafone Business

Alexander Wrabetz - CEO, ORF (Austrian Broadcasting Corporation)

5G, AI and AR: Driving New Vehicle Infotainment

12:20 - 12:40

5G Ventures Stage - Free content (Expo Stage)

- What new services are being powered by the latest generation of technology?
- Transforming infotainment on-the-go: understanding the new services powered by 5G
- Introducing in-vehicle AR: supporting the customer with next-level experiences

Panel: Are we ready for 5G Healthcare?

12:30 - 13:10

Enterprise 5G - Free content (Expo Stage)

- Do people want 5G health services?
- Building trust in 5G reliability and service ability
- Ultra-reliability and low latency communications: does 5G deliver on the promise for healthcare?

A World of Data: Reimagining the Data Centre

12:30 - 12:50

Next-Gen Tech - Free content (Expo Stage)

- Powering the data centre through renewable energy
- Improving operational efficiency
- From remote data centres to the edge data centres: how will the industry transform?

5G triumphs: Why 5G is Offering the Best Opportunity for V2X Services

12:40 - 13:00

5G Ventures Stage - Free content (Expo Stage)

- Investigating the latest V2X developments: vehicle to vehicle, infrastructure, pedestrian and network communications
- The next challenge: creating cities that support vehicle-to-infrastructure communication
- 5G vs WIFI: benefits and challenges for 'car language'

Networking and refreshment break

12:50 - 13:35

5G World Keynotes - Premium content

Panel: Building a More Sustainable World Through 5G

12:50 - 13:30

Next-Gen Tech - Free content (Expo Stage)

- How can 5G support a lower carbon, more sustainable society?
- IoT, smart cities and transport: identifying opportunities for a 5G powered sustainable revolution
- Reducing energy consumption and pollution through 5G: what can we expect?

Going Autonomous: 5G powering next-generation vehicles

13:00 - 13:20

5G Ventures Stage - Free content (Expo Stage)

- Imaging the future of autonomous vehicle management
- Understanding challenges: technical and regulatory barrier to true autonomy
- Going mainstream: how will 5G power the adoption of autonomous vehicles

Chair's Closing Remarks

13:10 - 13:20

Enterprise 5G - Free content (Expo Stage)

Case Study: From the Driver's Seat

13:20 - 13:40

5G Ventures Stage - Free content (Expo Stage)

In this session, a leading car maker will discuss their connected vehicle pilot and demonstrate how connectivity is driving new opportunities and in autonomy on the road.

Chair's Closing Remarks

13:30 - 13:40

Next-Gen Tech - Free content (Expo Stage)

MISSION CRITICAL 5G TRACK

13:40 - 13:45

Enterprise 5G - Free content (Expo Stage)

BEYOND 5G: EXPLORING THE POTENTIAL OF 6G TRACK

13:40 - 13:45

Next-Gen Tech - Free content (Expo Stage)

Don't Drive Over the Edge: Connecting Vehicles with the Latest Technologies

13:40 - 14:20

5G Ventures Stage - Free content (Expo Stage)

- Understanding the role of edge computing in connected vehicles
- From three-wheelers to monster trucks: building technology to connect all vehicle types
- From connected vehicles to autonomous vehicles: understanding and overcoming technical challenges

Participants

Panellist: Maxime Flament - Chief Technology Officer, 5GAA

Panellist: Leifeng Ruan - Chairman WG2, Automotive Edge Computing Consortium

Panellist: Peter Stoker - Director: Vehicle Engineering, Millbrook Testbed

Chair's Opening Remarks

13:45 - 13:50

Enterprise 5G - Free content (Expo Stage)

Participants

David Lund - David Lund, Coordinator of Broadway & President PSCE, Public Safety Communications Europe

Chair's Opening Remarks and Analyst Intro: 6G what, why and when

13:45 - 14:00

Next-Gen Tech - Free content (Expo Stage)

Even with 5G still in its initial commercial stage, discussion has already turned to 6G. This presentation serves as an introduction to this topic. Major questions covered in this presentation include how will 6G be different than 5G, why do we need 6G, and when will 6G get here.

Participants

Daryl Scholar - Practice Leader, Next Generation Infrastructure, Omdia

Chair's Opening Remarks

13:50 - 14:00

Network Densification - Premium content (Track 1)

Participants

Julian Bright - Senior Analyst, Intelligent Networks, Omdia

Chair's Opening Remarks

13:50 - 14:00

5G Use Cases - Premium content (Track 2)

Participants

Camille Mendler - Chief Analyst, Enterprise Services, Omdia

Chair's Opening Remarks

13:50 - 14:00

5G Cloud and Edge - Premium content (Track 3)

Participants

Dimitris Mavrakis - Research Director, ABI Research

Chair's Opening Remarks

13:50 - 14:00

5G Open Networks - Premium content (Track 4)

Participants

Malik Saadi - Managing Director & Vice President, Strategic Technology, ABI Research

The Next Generation of Emergency Services

13:50 - 14:10

Enterprise 5G - Free content (Expo Stage)

- EENA overview
- What are the next steps towards the digitalisation of emergency services?
- What are the benefits of digitising emergency services and how to overcome challenges?

Participants

Cristina Lumberas - Technical Director, EENA 112

Service Provider Use Case: Enlarging Network Coverage and Capacity with mMIMO

14:00 - 14:20

Network Densification - Premium content (Track 1)

- Improving user experience with mMIMO
 - What does the mMIMO antennas look like today?
 - How are 5G antennas integrating with 5G radio?
-

Use Case: 5G for Manufacturing

14:00 - 14:20

5G Use Cases - Premium content (Track 2)

How will 5G support the global manufacturing industry to increase efficiency in operations while reducing costs?

Hear from a leading manufacturer on their experiences and vision for 5G, as well as expectations from their connectivity and technology supplier.

Service Provider Use Case: A Cloud-Ready 5G

14:00 - 14:20

5G Cloud and Edge - Premium content (Track 3)

- Bringing the flexibility, scalability and responsiveness of Cloud in 5G
- Next-gen NFV and SDN concepts
- Achieving flexible resource allocation to meet future peak demand
- Evolving a monolithic architecture

Participants

Gediz Sezgin - EVP, Network Technologies (CTO), Turkcell, Turkcell

Introducing Open Networks Technology in Telecommunications

14:00 - 14:20

5G Open Networks - Premium content (Track 4)

- Understanding the market: from TIP to the ORAN Alliance and ONF to OPNFV -meeting the key players
 - Open source and open networks: introducing the advancements and the most promising technologies
 - Geopolitical changes: how will politics impact open networks?
 - A 5G catalyst? Will 5G be the driver of open network adoption?
-

Participants

Franz Seiser - VP, Core Network & PaaS and Infrastructure Cloud, Deutsche Telekom

Net-2030: ITU insights for the next decade

14:00 - 14:20

Next-Gen Tech - Free content (Expo Stage)

- Exploring the technologies and platforms for 2030
 - Preparing for the next generations of standards
 - Driving the technologies of 2030 and beyond
-

Participants

Mostafa Essa - RAN Strategy & Design Senior Specialist, Vodafone

What a Rural Police Force Needs From 5G

14:10 - 14:30

Enterprise 5G - Free content (Expo Stage)

Andrew White explores the concerns that Lincolnshire Police have about 5G mobile services and how if they are overcome a rural force can begin to harness the power of 5G development.

Participants

Andrew White - Resources, Lincolnshire Police

Sponsor's Address: Handling the Cost of 5G Densification

14:20 - 14:40

Network Densification - Premium content (Track 1)

- Dealing with the inevitable growth of infrastructure cost
- How can small operators handle the costs?
- Interworking and interoperability of LTE for 5G

Sponsor's Address: Converging 5G & IoT

14:20 - 14:40

5G Use Cases - Premium content (Track 2)

- Is 5G the catalyst in realising the adoption and revenue potential of IoT?
- What IoT based 5G services will drive the enterprise adoption?
- What are the security considerations for 5G IoT?

Sponsor's Address: Advanced Technologies for Flexible Orchestration

14:20 - 14:40

5G Cloud and Edge - Premium content (Track 3)

- Achieving shorter periods of service deployments
- Softwarisation technologies for agile operations
- Leveraging the microservice architecture
- Achieving agile development and orchestration in 5G with DevOps

Open RAN: Driving Telecommunications for the Next Generation

14:20 - 14:40

5G Open Networks - Premium content (Track 4)

- What technological advancements have been made towards Open RAN?
- Open RAN across the generations: driving innovation across 2G, 3G, 4G and 5G
- Ensuring success: how can we support an Open RAN revolution?

Investigating the Terahertz Spectrum

14:20 - 14:40

Next-Gen Tech - Free content (Expo Stage)

- Launching into higher frequencies: 60GHz, Thz and optical frequencies
- Identifying opportunities in new spectrum
- Bandwidth, latency and speed in a 6G era
- New challenges: what hurdles need to be overcome to access more spectrum?

Networking and Refreshment Break

14:20 - 14:50

5G Ventures Stage - Free content (Expo Stage)

Deep-dive into the UK Mission Critical Communications Ecosystem

14:30 - 15:10

Enterprise 5G - Free content (Expo Stage)

- What are the latest developments in the UK Emergency Services Network?
- Fit-for-service: understanding the evolving and competing needs of emergency services
- Creating connectivity: collaborating services for increase efficiency

Participants

Panellist: Stephen Greenslade - Principal Solutions Architect, EE

Panellist: Cate Walton - technical architect, UK Home Office

Panel: Densifying your Indoor Network

14:40 - 15:10

Network Densification - Premium content (Track 1)

- How will indoor 5G be provided?
- Is wifi 6 an option?
- How do you scale up your indoor 5G coverage, so it becomes an investable project?
- Utilising a single indoor solution for multiple operators with neutral hosting
- Digital indoor systems
- DAS solutions serving a cluster of cells and 5G
- Can you achieve robust indoor 5G coverage in low bands
- Is neutral hosting the solution?

Panel: Debating the viability and opportunity for private networks

14:40 - 15:10

5G Use Cases - Premium content (Track 2)

- Should enterprises be allocated spectrum resources?
- What role will service providers play in private 5G networks
- Business models for private networks
- Understanding the verticals' pain points
- How should a telco be structured to be positioned as the private networks' success partner?
- Security considerations and benefits for private networks

Participants

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

Graham Wilde - Director, Private Networks, Three UK

Damir Osenica - Director of Business Unit Core, Iskratel

Moderator: Camille Mandler - Chief Analyst, Enterprise Services, Omdia

Nanda Menon - Director - Corporate Development & Head of Athonet UK, Athonet

Panel: Enabling 5G Through Cloud Native Telco Architecture

14:40 - 15:10

5G Cloud and Edge - Premium content (Track 3)

- Which cloud environments will work best?
- Why are microservices crucial?
- Delivering carrier grade telco services on the cloud
- Training staff to stay relevant in the 5G Cloud era
- Simplifying your core network architecture
- Implementing automatic network slicing generation, maintenance and termination

Panel: What is the Future of Open Radio Technology?

14:40 - 15:20

5G Open Networks - Premium content (Track 4)

- Open RAN: understanding the real economics
- Deployment scenarios for OpenRAN: when is the new technology most suitable?
- How far can OpenRAN and VRAN allow the use of commoditized hardware and software for innovation?
- TIP and the ORAN Alliance: aligning an OpenRAN future

When Science Fiction Becomes Reality: Imagining the 6G 'Killer App'

14:40 - 15:20

Next-Gen Tech - Free content (Expo Stage)

Chairs Opening Remarks

14:50 - 14:55

5G Ventures Stage - Free content (Expo Stage)

Innovation and Delivery of Rail 5G

14:55 - 15:15

5G Ventures Stage - Free content (Expo Stage)

- Introducing a new system: bringing 5G to the rail tracks
- From idea to implementation: overcoming challenges and creating a world-leading network

Participants

Simon Holmes - Group Head of Digital (Engineering), FirstGroup

Sponsor's Address: Small Cells: The Foundation of the Next Generation Networks

15:10 - 15:30

Network Densification - Premium content (Track 1)

- Long term expectations for small cell investments
- Dealing with a highly competitive and local business
- The ideal partner for mmWave
- Ensuring small cell locations are attractive to both wireless network operators and cities

Use Case: 5G Enabled Ports

15:10 - 15:30

5G Use Cases - Premium content (Track 2)

5G is set to greatly reduce port operational costs and improve the terminal's capacity.

Hear from a leading port operator on their experiences and vision for 5G, as well as expectations from their connectivity and technology suppliers.

Navigating a Multi-Cloud Environment

15:10 - 15:30

5G Cloud and Edge - Premium content (Track 3)

- Is multi-cloud the path to 5G success?
- Where does Telco Cloud sit in this ecosystem: competitor or co-existence?
- Bringing existing cloud to public cloud
- Addressing the security concerns of a multi-cloud environment
- Lowering costs and enhancing operational capabilities with cloud
- Reviewing container based 5G platforms to achieve the automation dream

Participants

Andrea Calvi - Head of Network Innovation, Telecom Italia

Beyond Voice: Introducing Mission Critical Data and Video Communications

15:10 - 15:50

Enterprise 5G - Free content (Expo Stage)

- Understanding the extra capabilities of 4G and 5G over narrow-band communication systems
- A data-driven world: what new forms of information will be vital
- New connectivity challenges: drones and in-air connectivity

Participants

Panellist: Christian Falberg Goth - Chief Information Officer, Greater Copenhagen Fire Department

Panellist: Paul Speight - Watch Manager, Leicestershire Fire & Rescue

Panellist: Sam Shah - Global Clinical & Digital Adviser, Department for International Trade

Panellist: Steve McLinden - T20-Digital Programme Manager, Mid and West Wales Fire & Rescue Service

Revolutionising the Train Journey

15:15 - 15:55

5G Ventures Stage - Free content (Expo Stage)

- Data-driven ICT: monitor, analyse and exploit energy and assets to power train networks for 2025
- From connected trains to autonomous trains: expectations for the rail industry
- Bring 5G onto train journeys: transforming the customer experience

Participants

Panellist: Simon Holmes - Group Head of Digital (Engineering), FirstGroup

Panellist: Amine Didioui - Program Manager: Telecommunications, IoT and Tech, SCNF

Panel: Cross Domain Open Network Technologies to Transform Telecommunications

15:20 - 16:00

5G Open Networks - Premium content (Track 4)

- How has cloud networking inspired open telco networks?
- Open integration and open APIs: the start of open network technologies?
- Open network technology in NFV, Cloud, Automation and more: identifying the best opportunities
- Progress in technical alliances: what should we expect in the next 10 years?
- Understanding open network supply chains: preparing for new challenges

6G: A Quantum Secure Mobile Network

15:20 - 15:40

Next-Gen Tech - Free content (Expo Stage)

- Reshaping the face of security: understanding the need for quantum security
- Quantum machine learning based frameworks for 6G
- Quantum encryption for next-generation network security

Participants

Dimitra Simeonidou - Co-Director Bristol Digital Futures Institute and Director, Smart Internet Lab

Panel: Achieving the 5G Gbps Speeds

15:30 - 16:00

Network Densification - Premium content (Track 1)

- How does beamforming improve network performance?
- Supporting more users with more capacity
- How will mMIMO benefit the industry
- Using automation to optimise beam management
- What network topology needs to be put in place to make mmWave work
- Cell site design and standardisation

Panel: Packaging and Selling Network Slices to the Vertical Markets

15:30 - 16:00

5G Use Cases - Premium content (Track 2)

- Reviewing the network slicing economics
- Balancing between enabling enterprises to have control over their assets, while maintaining security and integrity of the infrastructure
- Ensuring SLAs and QoS for services running on slices

Participants

Jos Beriere - Strategic Programme Manager, KPN

Moderator: Camille Mendler - Chief Analyst, Enterprise Services, Omdia

Sponsor's Address: Using Edge Computing to Deliver on the Promise of 5G

15:30 - 15:50

5G Cloud and Edge - Premium content (Track 3)

- Reviewing the architecture of an edge architecture
- Best in class technologies for edge
- Working with the developer market to deliver the use cases that will drive MEC
- Reviewing applications of edge in 5G
- Ensuring a highly secure edge computing network

Participants

Daniel Valle - Chief Technologist - Service Providers EMEA, Word Wide Technology

Intelligent 6G: Understanding the New Role of AI

15:40 - 16:20

Next-Gen Tech - Free content (Expo Stage)

- From Telco AI to 6G AI: what is the potential of AI for telcos?
- Deep learning in telco networks and operations
- AI and SDN-based resource management for 6G
- AI and Blockchain for security & privacy in 6G mobile networks

Participants

Panellist: Maziar Nekovee - Professor of 5G Mobile Communications and Head of Department of Engineering and Product Design, University of Sussex

Panellist: Hongyu Li - Network Performance Automation Lead, 02 (Telefonica UK)

Networking and refreshment break

15:50 - 16:30

5G Cloud and Edge - Premium content (Track 3)

Unearthing New Opportunities: Reimagining Push-to-Talk Services Across New Industries

15:50 - 16:10

Enterprise 5G - Free content (Expo Stage)

- Myth-busting mission critical: understanding communications beyond national public safety schemes
- Engaging with new business verticals: identifying the opportunities for mission critical communications
- Commercialising mission critical communications: from campuses to skyscrapers, analysing the opportunities to create targeted services

5G Autonomous Navigation Platform for the Seas

15:55 - 16:15

5G Ventures Stage - Free content (Expo Stage)

- Improving maritime safety through real-time monitoring
- Real-time data analytics at sea: how will this transform the industry?
- 5G-connected tech: introducing IoT, AI and AR into shipping

Networking and refreshment break

16:00 - 16:40

Network Densification - Premium content (Track 1)

Networking and refreshment break

16:00 - 16:40

5G Use Cases - Premium content (Track 2)

Networking and Refreshment Break

16:00 - 16:40

5G Open Networks - Premium content (Track 4)

Applying 5G Mission Critical Service to Airlines

16:10 - 16:30

Enterprise 5G - Free content (Expo Stage)

- Taking industry leading steps: why Air France is developing cutting edge-communications
- Reimagining on-the-ground communications: how IoT and 5G will drive new potential
- Overcoming challenges: security and connectivity in airports
- Proof-of-concept: what can we expect from a 5G aeroplane and smart airport future?

Participants

Christian Regnier - Enterprise Technical Architect: Critical LTE, 5G and IoT, Air France

Sailing the Maritime Industry Towards 5G

16:15 - 16:55

5G Ventures Stage - Free content (Expo Stage)

- Ocean digitalisation: challenges and opportunities for the industry
- Onshore vs offshore: improving operations efficiency and driving profitability
- What is the future of autonomous shipping?
- Next level services: how will 5G transform on-board experiences

Participants

Panellist: Kun Yang - Board Chair, MAMIME project

Panellist: Jan Erik Norli - Chief Marketing Officer, Telenor Maritime

Ansis Zeltiņš - CEO, Feeport of Riga

Welcoming the Intelligent Personal Edge

16:20 - 16:40

Next-Gen Tech - Free content (Expo Stage)

- Next-generation edge services: how will 6G redefine the edge
- Entering the intelligent economy: embedding intelligence across the whole network
- Introducing: Mobility-Enhanced Edge intelligence (MEET)

Panel: 5G and Edge Unlocking New Possibilities

16:30 - 17:00

5G Cloud and Edge - Premium content (Track 3)

- Integrating machine learning modes to edge devices
- Getting faster access to data and insights
- Public Cloud to provide more services on the edge infrastructure
- Building container ready edge locations
- Making AI-based workloads accessible to the edge
- Driving profits from edge – for telcos and app developers
- The changing role of data centres in an edge computing world

Participants

Moderator: Dimitris Mavrakis - Research Director, ABI Research

Andrea Dona - UK Head of Networks, Vodafone UK

Amol Phadke - Global Network Services Lead, Accenture

Juan Carlos Garcia - SVP Technology and Architecture, Telefonica Group

Onshore and Offshore Connectivity: Managing Mission Critical Communications in the Oil Industry

16:30 - 16:50

Enterprise 5G - Free content (Expo Stage)

- Specialised needs: providing mission critical communications for complex and hard-to-reach environments
- Identifying needs and use cases: where will 5G offer the most opportunity for the oil and gas industry?

Participants

Adam Hibbs - Head of Commercial – Defence & Security / Critical Infrastructure Service Channels, Vodafone Business

Service Provider Address: Achieving Low Cost Rural Coverage?

16:40 - 17:00

Network Densification - Premium content (Track 1)

- Who will pay for rural 5G?
- How are operators tracking against the European Directives for 5G in major cities?
- Is 5G going to help with rural connectivity?
- Using ORAN for rural
- Are neutral hosts going to change the 5G game?
- How can governments and regulators help unlock the rural connectivity challenges?

Service Provider Address: Zain's 5G Vision and Roadmap

16:40 - 17:00

5G Use Cases - Premium content (Track 2)

Participants

Adeel Esbhani - Director of Brand Strategy and Planning, Zain

Improving Flexibility in Network Functions

16:40 - 17:00

5G Open Networks - Premium content (Track 4)

- Using open technologies to foster flexibility and innovation
 - Continuous integration - continuous delivery: how will open networks drive more advancements?
 - Creating a new ecosystem: identifying new providers in an open market
-

Chair's closing remarks

16:40 - 16:50

Next-Gen Tech - Free content (Expo Stage)

Chair's Closing Remarks

16:50 - 17:00

Enterprise 5G - Free content (Expo Stage)

Participants

David Lund - David Lund, Coordinator of Broadway & President PSCE, Public Safety Communications Europe

Chair's Closing Remarks

16:55 - 17:00

5G Ventures Stage - Free content (Expo Stage)

Sponsor's Address: Is Infrastructure Sharing the Key to Unlocking the Power of 5G?

17:00 - 17:20

Network Densification - Premium content (Track 1)

- Reviewing the costs of 5G densification and edge computing
- Expected cost savings of infrastructure sharing
- Reviewing forms of infrastructure sharing
- How will open source initiatives enable sharing infrastructure?
- Cost effectively achieving the performance of sites and 5G capability with passive and active infrastructure sharing
- Technical enabler for infrastructure sharing; the role of NFV and SDN

Use Case: 5G for Media and Entertainment

17:00 - 17:20

5G Use Cases - Premium content (Track 2)

5G is set to revolutionise how we media and entertainment is delivered to audiences and how they engage with it.

A leading media organisation will shine light in this much debated issue as well as share their 5G vision and expectations from their connectivity and technology suppliers.

Sponsor's Address: Building a Cloud-Enabled Microservices-Based Architecture

17:00 - 17:20

5G Cloud and Edge - Premium content (Track 3)

- Which functions are moving to which architecture?
 - Deploying microservices for highly scalable and modular applications
 - Utilising containers to decompose large applications
-

Methodologies and Working Processes for the Open Network

17:00 - 17:20

5G Open Networks - Premium content (Track 4)

- Enabling new functionalities: what can open networks offer to telcos?
- Using open source as a technological enabler: imagining the opportunities
- Shifting methods of procurement: how can telcos prepare for open networks
- Re-educating the workforce: supporting staff for next generation technologies
- The automation revolution: understanding the impact of intelligent open networks

SCHEDULE

MAIN CONFERENCE DAY 2 - 03/09/2020

5G World Summit

Workshops & Conference: 1 - 3 September 2020

Exhibition: 2 - 3 September 2020

ExCeL, London

TIME	5G CLOUD AND EDGE - PREMIUM CONTENT (TRACK 3)	5G OPEN NETWORKS - PREMIUM CONTENT (TRACK 4)	5G USE CASES - PREMIUM CONTENT (TRACK 2)	5G VENTURES STAGE - FREE CONTENT (EXPO STAGE)	5G WORLD KEYNOTES - PREMIUM CONTENT	ENTERPRISE 5G - FREE CONTENT (EXPO STAGE)	NETWORK DENSIFICATION - PREMIUM CONTENT (TRACK 1)	NEXT-GEN TECH - FREE CONTENT (EXPO STAGE)
09:00				09:55 - DRIVING TRANSPORT TOWARDS 5G TRACK	09:00 - Chair's Opening Remarks 09:05 - Service Provider Keynote: SK Telecom's 5G vision 09:25 - Platinum Sponsor Keynote: Revolutionising how Telecoms Network Infrastructure is Built 09:45 - Panel: How will 5G Redefine Telcos?	09:55 - 5G HEALTH-CARE TRACK		
10:00				10:00 - Chair's Opening Remarks 10:10 - Building a City Which Supports the Connected Journey 10:30 - A Connected Customer Journey	10:15 - Networking and refreshment break + Intelligent Matchmaking session *Invitation only	10:00 - Chair's Opening Remarks 10:10 - Reimagining the Health Service with Next Generation Technologies 10:30 - Supporting in-person care through 5G services 10:50 - Case Study: Telemedicine to Reduce Costs and Promote Health		10:00 - Enterprise Power Hour

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11:00				<p>11:10 - The 5G 'Killer' Transport App</p> <p>11:30 - Networking and Refreshment Break</p>	<p>11:00 - Service Provider Keynote: 5G Built Right: The US perspective</p> <p>11:20 - Platinum Sponsor Keynote: 5G - A Reality Check</p> <p>11:40 - Service Provider Keynote: Bringing Exponentially Faster, Real-Time Communications to Germany</p>	<p>11:10 - Case Study: Eldercare of the Future</p> <p>11:30 - Case Study: Reimagining Rehab Services Through 5G Connectivity</p> <p>11:50 - Panel: What's next? Imaging 5G Potential in Healthcare</p>		<p>11:00 - A 5G KEY TO SUSTAINABILITY TRACK</p> <p>11:05 - Chair's Opening Remarks</p> <p>11:10 - Understand the Telco Carbon Footprint</p> <p>11:30 - Building Energy Efficient 5G Infrastructure</p> <p>11:50 - Panel: Reducing Energy Needs for 5G Services</p>
12:00				<p>12:00 - Big Data and Vehicle Management Applications</p> <p>12:20 - 5G, AI and AR: Driving New Vehicle Infotainment</p> <p>12:40 - 5G triumphs: Why 5G is Offering the Best Opportunity for V2X Services</p>	<p>12:00 - Platinum Sponsor Keynote: Experiences from Using 5G</p> <p>12:20 - Enterprise Debate: 5G – End-Goal or Enabler for the Vertical Markets?</p> <p>12:50 - Networking and refreshment break</p>	<p>12:30 - Panel: Are we ready for 5G Healthcare?</p>		<p>12:30 - A World of Data: Reimagining the Data Centre</p> <p>12:50 - Panel: Building a More Sustainable World Through 5G</p>

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13:00	13:50 - Chair's Opening Remarks	13:50 - Chair's Opening Remarks	13:50 - Chair's Opening Remarks	13:00 - Going Autonomous: 5G powering next-generation vehicles 13:20 - Case Study: From the Driver's Seat 13:40 - Don't Drive Over the Edge: Connecting Vehicles with the Latest Technologies		13:10 - Chair's Closing Remarks 13:40 - MISSION CRITICAL 5G TRACK 13:45 - Chair's Opening Remarks 13:50 - The Next Generation of Emergency Services	13:50 - Chair's Opening Remarks	13:30 - Chair's Closing Remarks 13:40 - BEYOND 5G: EXPLORING THE POTENTIAL OF 6G TRACK 13:45 - Chair's Opening Remarks and Analyst Intro: 6G what, why and when
14:00	14:00 - Service Provider Use Case: A Cloud-Ready 5G 14:20 - Sponsor's Address: Advanced Technologies for Flexible Orchestration 14:40 - Panel: Enabling 5G Through Cloud Native Telco Architecture	14:00 - Introducing Open Networks Technology in Telecommunications 14:20 - Open RAN: Driving Telecommunications for the Next Generation 14:40 - Panel: What is the Future of Open Radio Technology?	14:00 - Use Case: 5G for Manufacturing 14:20 - Sponsor's Address: Converging 5G & IoT 14:40 - Panel: Debating the viability and opportunity for private networks	14:20 - Networking and Refreshment Break 14:50 - Chairs Opening Remarks 14:55 - Innovation and Delivery of Rail 5G		14:10 - What a Rural Police Force Needs From 5G 14:30 - Deep-dive into the UK Mission Critical Communications Ecosystem	14:00 - Service Provider Use Case: Enlarging Network Coverage and Capacity with mMIMO 14:20 - Sponsor's Address: Handling the Cost of 5G Densification 14:40 - Panel: Densifying your Indoor Network	14:00 - Net-2030: ITU insights for the next decade 14:20 - Investigating the Terahertz Spectrum 14:40 - When Science Fiction Becomes Reality: Imagining the 6G 'Killer App'

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15:00	<p>15:10 - Navigating a Multi-Cloud Environment</p> <p>15:30 - Sponsor's Address: Using Edge Computing to Deliver on the Promise of 5G</p> <p>15:50 - Networking and refreshment break</p>	<p>15:20 - Panel: Cross Domain Open Network Technologies to Transform Telecommunications</p>	<p>15:10 - Use Case: 5G Enabled Ports</p> <p>15:30 - Panel: Packaging and Selling Network Slices to the Vertical Markets</p>	<p>15:15 - Revolutionising the Train Journey</p> <p>15:55 - 5G Autonomous Navigation Platform for the Seas</p>		<p>15:10 - Beyond Voice: Introducing Mission Critical Data and Video Communications</p> <p>15:50 - Unearthing New Opportunities: Reimagining Push-to-Talk Services Across New Industries</p>	<p>15:10 - Sponsor's Address: Small Cells: The Foundation of the Next Generation Networks</p> <p>15:30 - Panel: Achieving the 5G Gbps Speeds</p>	<p>15:20 - 6G: A Quantum Secure Mobile Network</p> <p>15:40 - Intelligent 6G: Understanding the New Role of AI</p>
16:00	<p>16:30 - Panel: 5G and Edge Unlocking New Possibilities</p>	<p>16:00 - Networking and Refreshment Break</p> <p>16:40 - Improving Flexibility in Network Functions</p>	<p>16:00 - Networking and refreshment break</p> <p>16:40 - Service Provider Address: Zain's 5G Vision and Roadmap</p>	<p>16:15 - Sailing the Maritime Industry Towards 5G</p> <p>16:55 - Chair's Closing Remarks</p>		<p>16:10 - Applying 5G Mission Critical Service to Airlines</p> <p>16:30 - Onshore and Offshore Connectivity: Managing Mission Critical Communications in the Oil Industry</p> <p>16:50 - Chair's Closing Remarks</p>	<p>16:00 - Networking and refreshment break</p> <p>16:40 - Service Provider Address: Achieving Low Cost Rural Coverage?</p>	<p>16:20 - Welcoming the Intelligent Personal Edge</p> <p>16:40 - Chair's closing remarks</p>
17:00	<p>17:00 - Sponsor's Address: Building a Cloud-Enabled Microservices-Based Architecture</p>	<p>17:00 - Methodologies and Working Processes for the Open Network</p>	<p>17:00 - Use Case: 5G for Media and Entertainment</p>				<p>17:00 - Sponsor's Address: Is Infrastructure Sharing the Key to Unlocking the Power of 5G?</p>	