

# SESSIONS

DAY 1 - 01/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

## Informa's Welcome

09:20 - 09:30  
5G World Keynotes

### Participants

**Melina Diamantopoulou** - 5G Series, Portfolio Manager, Informa Tech

## Chair's Opening Remarks

09:30 - 09:35  
5G World Keynotes

### Participants

**Fiona Graham** - Editorial Director, Light Reading

## Analyst's Remarks - 5G State of Play

09:35 - 09:45  
5G World Keynotes

- 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** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

## SK Telecom's 5GX : Leading the Age of 5G Hyper-Innovation

09:45 - 10:05  
5G World Keynotes

- 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

## Keynote CEO Panel: Monetising the Consumer 5G play

10:05 - 10:40  
5G World Keynotes

- The consumer play; how much are consumers willing to pay for 5G?
- The 5G broadband opportunity
- What new services will consumers consume with 5G?
- Innovations in 5G consumer offering; what comes after smartphones?

### Participants

**Moderator: Karim Taga** - Managing Partner: Global Practice Lead, Arthur D. Little

**David Lynn** - President & CEO, ViacomCBS Networks International

**Michael Wagenhofer** - Managing Director, Austrian Broadcasting Services (ORS)

**Ronan Dunne** - EVP and CEO, Verizon Consumer Group

## Maximise Network Value, Inspire Business Growth

10:40 - 11:00  
5G World Keynotes

- Future-proofing new services and industry applications for 5G
- Synergising network with service development
- Maximising network value with innovative 5G technologies?
- Best practice in expanding business boundaries and stimulating 5G monetisation

### Participants

**Mohamed Madkour** - VP, Global Wireless & Cloud Core Marketing and Solution Sales, Huawei

## Networking break and exhibition visit

11:00 - 11:30  
5G World Keynotes

## Panel: Technologies that will Transform Telecoms and 5G

11:30 - 12:05  
5G World Keynotes

- Expectations for the 5G SA standards and when will it become a mainstream technology?
- The role of Open Networks technologies in 5G: market appetite, expectations, timelines and requirements
- Building technologies for specific use cases; Does one size fit all and what options are economically viable for telcos
- AI + 5G: Innovative applications and vision
- Deployment models and new services from commercial standalone and new core
- Dynamic spectrum sharing to achieve faster coverage
- The role and collaboration with hyperscalers for 5G
- Relieving network congestion and realising low latency edge computing

### Participants

**Moderator: Adrian Scrase** - CTO, ETSI

**Michele Gamberini** - Chief Technology and Innovation Officer, TIM

**Dr. Ibrahim Gedeon** - CTO, TELUS

**Arnaud Vamparys** - SVP, Radio Networks and 5G Group Champion, Orange Group

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

## 5G: Igniting Business Innovation

12:05 - 12:25  
5G World Keynotes

- 5G will help unleash innovation for industries to deliver gains in productivity, services, and new business opportunities
- An ecosystem of innovators and strong industry collaboration is required to accelerate 5G business transformation
- Intel and the 5G Open Innovation Lab is working to fuel the development of new 5G

### Participants

**Caroline Chan** - VP, Data Center Group - General Manager, Network Business Incubator Division, Intel

**Eric Weaver** - CEO, Transparent Path SPC

**Dirck Schou** - CEO, Taqtile

## Networking break and exhibition visit

12:25 - 13:15  
5G World Keynotes

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## The Successful Rollout of 5G Base Stations with Comarch OSS

12:25 - 12:35

5G World Demo Programmes

Discover how Comarch OSS can give you full control over network transformation, management and automation across the 5G network rollout process, facilitating access to new business opportunities for the 2020s and beyond.

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## HPE 5G Core Stack - watch a real cloud-native 5G core in action, with automated network slicing and self-healing

12:35 - 12:45

5G World Demo Programmes

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## 5G for Industry – Iskratel Smart Factory Use Case

12:45 - 12:55

5G World Demo Programmes

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### Chair's Opening Remarks

13:15 - 13:20

Network Evolution & Densification

### Participants

**Gabriel Brown** - Principal Analyst, Omdia

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### Chair's Opening Remarks

13:15 - 13:20

5G Use Cases

### Participants

**Dario Talmesio** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

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### Chair's Opening Remarks

13:15 - 13:20

5G For Verticals - Manufacturing & Healthcare

### Participants

**Camille Mendler** - Chief Analyst, Enterprise Services, Omdia

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## Roundtable 1: Efficiently transitioning a legacy network to cloud native

13:15 - 14:15

Roundtables

Pre-registration is required and available to all attendees and seats allocated on a first come basis.

To register please email [Rebekah.Dennis@informa.com](mailto:Rebekah.Dennis@informa.com) or message Rebekah on Swapcard (the 5G World Virtual event platform).

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### Participants

**Sue Rudd** - Director Service Provider Analysis, Network and Service Platforms (NSP), Strategy Analytics

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## First Results from Benchmarking of Commercial 5G Mobile Networks

13:20 - 13:40

Network Evolution & Densification

- 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

**Arnd Sibila** - Technology Marketing Manager, Rohde & Schwarz

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## Service Provider Interview: Providing Next-Level in-Stadium Experiences: What are 5G Early-Starters and How To Keep The Innovation Flowing?

13:20 - 13:40

5G Use Cases

- 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

**Interviewer: Nicolai Schattgen** - Founder & CEO, Match-Maker Ventures

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

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## The 5G-SMART Project: 5G for Smart Manufacturing

13:20 - 13:40

5G For Verticals - Manufacturing & Healthcare

- How is the 5G-SMART project unlocking the value of 5G for smart manufacturing?
- Testing the most advanced 5G-integrated manufacturing applications such as industrial robotics, digital twin and machine vision-based remote operations
- Developing new 5G technology features to drive future 5G standardization and technology adoption in the manufacturing ecosystem

### Participants

**Ognjen Dobrijevic** - Scientist, ABB Corporate Research

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## The 5G-ENCODE Project: Enabling 5G connectivity for digital engineering

13:30 - 14:20

UK5G - Partner Programme (free to attend)

### Participants

**Anthony Karydis** - Founder and CEO, Mativision Ltd

**Marc Funnell** - Head of Digital, National Composites Centre

**Vassilis Seferidis** - CEO, Zeetta Networks

**Vincent Aerts** - Head: Composite Materials, SOLVAY

**Muquid Ali** - 5G EnCode Programme Manager, Zeeta Networks

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## 5G boosting creative industry

13:30 - 14:20

Digital Catapult - Partner Programme (free to attend)

From immersive theatre and music to interactive media experiences and 3D designs - innovative tech solutions and initiatives can change the future of creative industries with a boost from 5G. Hear from Digital Catapult and the alumni of 5G Testbed Accelerator and CreativeXR programmes as they discuss their achievements till date and explore the potential for future innovation in the creative space.

### Participants

**Emily Savage** - Creative Sector Lead, Digital Catapult

**Debbie Bandara** - Artistic Director, Forest Tribe

**Aharon Yechezkel** - Chief Technology Officer, Scenic

**Sam Watts** - Immersive Partnerships Director, MakeReal

**Roman Rappak** - Co-Founder & Creative Director, Overview Ark

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## The Evolution of RAN Architectures

13:40 - 14:10

Network Evolution & Densification

- 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

### Participants

**Panellist: Colin Wilcock** - Chairman of the Board, 5G Infrastructure Association

**Moderator: Gabriel Brown** - Principal Analyst, Omdia

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

**Panellist: Michal Majewski** - International Benchmarking Director, Systemics-PAB

**Panellist: Bernard Bureau** - VP Network and Architecture Strategy, TELUS

## 5G FWA: Approaching Center Stage for Residential and Business Broadband

13:40 - 14:00

5G Use Cases

- 5G FWA Ecosystem Progress Beyond Expectation
- Broadband Network Changes & Trend During Covid-19
- More 5G Spectrum Bands include mmWave for long term FWA development
- 5G FWA, From 2H to 2B

### Participants

**Edwin Wang** - Head, WTTx Domain, Wireless Network Marketing and Solution Sales, Huawei

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

13:40 - 14:10

5G For Verticals - Manufacturing & Healthcare

- 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

### Participants

**Miika Murremäki** - Vice President, Global Digital Development, ABB

**Ulrich Dropmann** - Member of the Board, 5G-ACIA

**Vijay Anand** - Head of Digital Machining, AB Sandvik Coromant

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

**Leonardo Goratti** - Senior System Engineer, Safran Passenger Innovations

## Networking break and exhibition visit

14:00 - 14:40

5G Use Cases

## Executive Roundtable 1: Beyond 2020 - What's ahead of 5G

14:00 - 15:00

Executive Roundtables (VIP access only)

Will the network resources (spectrum, backhaul, sites, etc.) be sufficient to meet the service demand and vice-versa will the evolution and demand for mobile services (Gaming, Private/Leased-line, Campus, etc.) be sustainable to trigger commercialization of next 3GPP releases?

Available to VIP attendees only. Pre-registration required. For registration, contact Maximilian.Holland@informa.com or message Max on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' Swapcard does not secure your place in the roundtable.

### Participants

**Mike Roberts** - Principal Consultant, Omdia

## Networking break and exhibition visit

14:10 - 14:40

Network Evolution & Densification

## Networking break and exhibition visit

14:10 - 14:40

5G For Verticals - Manufacturing & Healthcare

## 5G Automation

14:10 - 14:20

5G World Demo Programmes

Delivering on 5G's promise hinges on building agile and performance-driven 5G networks on which consumers and industries can rely. Blue Planet's 5G Automation approach helps you extend 5G's speed, massive capacity, and minimal latency benefits to your customers. Simply and efficiently.

## X-haul - Ciena's 5G Router Family

14:20 - 14:30

5G World Demo Programmes

Joe Marsella, Ciena's VP of Packet Networking Product Line Management, provides an overview of the importance of xHaul (fronthaul, Midhaul, backhaul) transport networks to 5G mobile networks. Joe also provides an overview and demo of Ciena's new family of purpose-built 5G

## 5GRIT - How 5G makes days out in rural areas more interesting and fun!

14:30 - 15:20

UK5G - Partner Programme (free to attend)

### Participants

**Daniel Heery** - Project Manager, Cybermoor

**Katy Mason** - Professor of Markets and Management Practice, Lancaster University

**Tarun Sainani** - Managing Director, World Around Me

**Katherine Pearson** - Managing Director, Flo-culture

**Pete Jackson** - Committee Chair, Nenthead Mines

## NSFOCUS Anti-DDoS Attach & Defense Demo (SYN Flood)

14:30 - 14:40

5G World Demo Programmes

## The Network Evolution of A1 Towards a Consumable 5G Network

14:40 - 15:00

Network Evolution & Densification

- 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

**Dr. Wolfgang Fleischer** - Strategy & Innovation, A1 Telekom Austria Group

### Panel: Reviewing the First FWA Launches

14:40 - 15:10

5G Use Cases

- What are the new FWA products coming to market in the next 24 months?
- Wi-Fi 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** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

**Andrea Lasagna** - CTO, Fastweb

**Vanina Ungureanu** - Head of New Business, Orange Romania

### Panel: Debating the Viability and Opportunity for Private Networks

14:40 - 15:20

5G For Verticals - Manufacturing & Healthcare

- 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

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

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

**Panellist: Catherine Gull** - Head of Business Development, Three Enterprise

**Panellist: Damir Opsenica** - Director of Business Unit Core, Iskratel

**Panellist: Khalid Aziz** - SVP Head of Global Ventures, Signify

### Roundtable 2: Building and monetising a 5G service for the entertainment industry

14:40 - 15:40

Roundtables

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#### Participants

**Mark Newman** - Chief Analyst, TM Forum

### Supporting the World's Data Traffic Growth with 5G RAN

15:00 - 15:20

Network Evolution & Densification

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

#### Participants

**Harpinder Matharu** - Senior Director, Wired and Wireless Group, Xilinx

### Future Networks Lab - discover the potential of 5G and future networks cross technologies

15:00 - 15:15

Digital Catapult - Partner Programme (free to attend)

Take a virtual tour inside Digital Catapult London facilities and discover the potential of 5G testbed and future networks cross technologies. Hear from the team and organisations that worked in the facilities and find out:

- What technologies are available in the lab?
- How can the Future Networks Lab benefit businesses?
- Hear about Future Networks Challenges
- How to engage with the Future Networks Lab?

### Use Case: Bringing a New Tactile Dimension to Entertainment

15:10 - 15:30

5G Use Cases

- 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?

#### Participants

**Micha Berger** - CTO, Telenet Belgium

### Executive Roundtable 2: Geopolitics and telecom supply chain disruptions

15:15 - 16:15

Executive Roundtables (VIP access only)

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#### Participants

**Dimitris Mavrikis** - Research Director, ABI Research

### Networking break and exhibition visit

15:20 - 16:00

Network Evolution & Densification

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

15:20 - 15:40

5G For Verticals - Manufacturing & Healthcare

- 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

### P.I. Works Smart Network Planning & AI Based Network Management

15:20 - 15:30

5G World Demo Programmes

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## Networking break and exhibition visit

15:30 - 15:45  
5G Use Cases

## Overcoming Barriers to Accelerate 5G Rollout - WM5G

15:30 - 16:20  
UK5G - Partner Programme (free to attend)

### Participants

**Heather Clark** - Strategic Projects and Funding Manager, City of Wolverhampton Council

**Rhys Enfield** - Director of Infrastructure Acceleration, West Midlands 5G

**Belinda Fawcett** - General Counsel and Director of Property & Estates, Cornerstone

**Chris Jefferies** - RAN - UK Acquisition Manager, BT EE

**Paul Ward** - Head of ICT and Digital, Coventry City Council

**Juliette Wallace** - Business Planning and Property Director, MBNL

**Lesley Holt** - Head of Communications & Stakeholder Engagement, WM5G

**Ric Reilly** - Chartered Engineer and Fellow, Chartered Management Institute

## Resolve Systems

15:30 - 15:40  
5G World Demo Programmes

See how Resolve's enterprise-class automation platform can help you automate everything on your network from proactive testing and provisioning to incident response. Resolve has automated some of the most complex networks on the planet – see how we can automate yours!

## Networking break and exhibition visit

15:40 - 16:20  
5G For Verticals - Manufacturing & Healthcare

## 5G network interactivity test presented by Rohde & Schwarz

15:40 - 15:50  
5G World Demo Programmes

With the Interactivity Test, operators can measure the fundamental 5G network performance characteristics of latency, throughput and availability and derive network quality for real-time applications like eGaming and AR/VR in a single integrated test.

## 5G for Production and Contribution of Public Service Media

15:45 - 16:10  
5G Use Cases

- Changing user habits call for new types of curated media services
- Portable and mobile consumption is key to Public Service Media (PSM) organizations
- 5G could help to produce in a more flexible and more efficient way at lower costs
- Without engagement in 3GPP there is no benefit for PSM
- Standards are fine, but enabling markets is key

### Participants

**Dr. Roland Buetler** - Distribution Strategy Manager, Südwestrundfunk (SWF)

## Connectivity Outdoor Solutions

15:50 - 16:00  
5G World Demo Programmes

### Panel: Building a Secure 5G Architecture

16:00 - 16:30  
Network Evolution & Densification

- On the one hand, 5G is more complex with more potential exposure/risks. But on the other, 5G security is MUCH BETTER with fixes & tools available from 3GPP. How should we think about these two threads?
- Are operators sufficiently invested in day-to-day operational security?
- How should non-network, non-telco parts of a CSP's operations influence its security 5G stance?

### Participants

**Panelist: Remy Harel** - Network Security Manager, Orange France

**Panelist: Benoit Jouffrey** - CTO, Thales Digital Identity and Security

**Panelist: Mahmoud Al-Ghreify** - Security Enterprise Architect, O2 Telefonica

**Panelist: Doug Carson** - Head of Security Architecture, Illuminate Technologies

**Moderator: Gabriel Brown** - Principal Analyst, Omdia

**Awanish Verma** - Director and System Architect - Technical Marketing, Xilinx

## Thales' virtual demo for 5G SIM!

16:00 - 16:10  
5G World Demo Programmes

Welcome to Thales' virtual demo for 5G SIM! 3 use cases. 1. Cyber resilience With 5G SIM cards, mobile operators can securely and remotely swap on demand the authentication algorithm contained in the SIM via key rotation management. 2. Subscriber identity privacy (1'58") MNOs can ensure user data anonymisation thanks to IMSI encryption ensured by the customisable onboard 5G SIM in-built identity encryption capabilities. 3. Heterogeneous network authentication (2'54") Please request a meeting.

## Swisscom's Vision for the 5G Connected Business

16:10 - 16:30  
5G Use Cases

### Participants

**Friederike Hoffmann** - Head of Connected Business, Swisscom

## O-Ran gNB-DU L1 HW Acceleration and FH Offload

16:10 - 16:20  
5G World Demo Programmes

In this demo we are presenting an O-RAN gNB-DU L1 Hardware Acceleration and Front Haul

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

16:20 - 16:55  
5G For Verticals - Manufacturing & Healthcare

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

### Participants

**Moderator: Charles Lowe** - Chief Executive, Digital Health and Care Alliance

**Panelist: Zohar Singer** - Head Of Telemedicine Department, Clalit Health Services

**Panelist: Akos Bona** - VP International Markets, Member of the Board, The Broadband Foundation

**Panelist: Isabel Van De Keere** - Founder & CEO, Immersive Rehab

**Panelist: Ann Williams** - Commissioning and Contract Manager, Liverpool City Council

**Stefan Vlachos** - Department Head of the Centre for Innovation, Karolinska University Hospital

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## Chair's Summary and RAN Evolution Group Networking

16:30 - 17:00

Network Evolution & Densification

Get together in small groups to discuss all things RAN - from the talks you heard about today, to your questions, statements, challenges and ideas with like minded peers in this topic focused networking session!

### Participants

**Gabriel Brown** - Principal Analyst, Omdia

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

16:30 - 16:50

5G Use Cases

### Participants

**Adeel Esbhani** - Director of Brand Strategy and Planning, Zain

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## Chair's summary and 5G monetisation group networking

16:50 - 17:20

5G Use Cases

Get together in small groups to discuss all things 5G Monetisation - from the talks you heard about today, to your questions, statements, challenges and ideas, with like-minded peers in this topic focused networking.

### Participants

**Dario Talmesio** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

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## Chair's Summary and 5G Use Cases Group Networking Activity

16:55 - 17:25

5G For Verticals - Manufacturing & Healthcare

Get together in small groups to discuss all things 5G use cases; from manufacturing, to healthcare, IoT and beyond. Discuss the talks you attended today, your questions, statements, challenges and ideas with like minded peers in this topic focused networking.

### Participants

**Camille Mendler** - Chief Analyst, Enterprise Services, Omdia

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TIME	5G FOR VERTICALS - MANUFACTURING & HEALTHCARE	5G USE CASES	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	DIGITAL CATAPULT - PARTNER PROGRAMME (FREE TO ATTEND)	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	NETWORK EVOLUTION & DENSIFICATION	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
09:00				<p><b>09:20</b> - Informa's Welcome</p> <p><b>09:30</b> - Chair's Opening Remarks</p> <p><b>09:35</b> - Analyst's Remarks - 5G State of Play</p> <p><b>09:45</b> - SK Telecom's 5GX : Leading the Age of 5G Hyper-Innovation</p>					
10:00				<p><b>10:05</b> - Keynote CEO Panel: Monetising the Consumer 5G play</p> <p><b>10:40</b> - Maximise Network Value, Inspire Business Growth</p>					
11:00				<p><b>11:00</b> - Networking break and exhibition visit</p> <p><b>11:30</b> - Panel: Technologies that will Transform Telecoms and 5G</p>					

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12:00			<p><b>12:25</b> - The Successful Rollout of 5G Base Stations with Comarch OSS</p> <p><b>12:35</b> - HPE 5G Core Stack - watch a real cloud-native 5G core in action, with automated network slicing and self-healing</p> <p><b>12:45</b> - 5G for Industry – Iskratel Smart Factory Use Case</p>	<p><b>12:05</b> - 5G: Igniting Business Innovation</p> <p><b>12:25</b> - Networking break and exhibition visit</p>					

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TIME	5G FOR VERTICALS - MANUFACTURING & HEALTHCARE	5G USE CASES	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	DIGITAL CATAPULT - PARTNER PROGRAMME (FREE TO ATTEND)	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	NETWORK EVOLUTION & DENSIFICATION	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
13:00	<p><b>13:15</b> - Chair's Opening Remarks</p> <p><b>13:20</b> - The 5G-SMART Project: 5G for Smart Manufacturing</p> <p><b>13:40</b> - Panel: The tech-trifecta: 5G, AI and IoT</p>	<p><b>13:15</b> - Chair's Opening Remarks</p> <p><b>13:20</b> - Service Provider Interview: Providing Next-Level in-Stadium Experiences: What are 5G Early-Starters and How To Keep The Innovation Flowing?</p> <p><b>13:40</b> - 5G FWA: Approaching Center Stage for Residential and Business Broadband</p>			<p><b>13:30</b> - 5G boosting creative industry</p>		<p><b>13:15</b> - Chair's Opening Remarks</p> <p><b>13:20</b> - First Results from Benchmarking of Commercial 5G Mobile Networks</p> <p><b>13:40</b> - The Evolution of RAN Architectures</p>	<p><b>13:15</b> - Roundtable 1: Efficiently transitioning a legacy network to cloud native</p>	<p><b>13:30</b> - The 5G-ENCODE Project: Enabling 5G connectivity for digital engineering</p>
14:00	<p><b>14:10</b> - Networking break and exhibition visit</p> <p><b>14:40</b> - Panel: Debating the Viability and Opportunity for Private Networks</p>	<p><b>14:00</b> - Networking break and exhibition visit</p> <p><b>14:40</b> - Panel: Reviewing the First FWA Launches</p>	<p><b>14:10</b> - 5G Automation</p> <p><b>14:20</b> - X-haul - Ciena's 5G Router Family</p> <p><b>14:30</b> - NSFOCUS Anti-DDoS Attach &amp; Defense Demo (SYN Flood)</p>			<p><b>14:00</b> - Executive Roundtable 1: Beyond 2020 - What's ahead of 5G</p>	<p><b>14:10</b> - Networking break and exhibition visit</p> <p><b>14:40</b> - The Network Evolution of A1 Towards a Consumable 5G Network</p>	<p><b>14:40</b> - Roundtable 2: Building and monetising a 5G service for the entertainment industry</p>	<p><b>14:30</b> - 5GRIT - How 5G makes days out in rural areas more interesting and fun!</p>

# SCHEDULE

DAY 1 - 01/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G FOR VERTICALS - MANUFACTURING & HEALTHCARE	5G USE CASES	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	DIGITAL CATAPULT - PARTNER PROGRAMME (FREE TO ATTEND)	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	NETWORK EVOLUTION & DENSIFICATION	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
15:00	<p><b>15:20</b> - From Trials to Commercial Use: Entering the 5G Age of Manufacturing</p> <p><b>15:40</b> - Networking break and exhibition visit</p>	<p><b>15:10</b> - Use Case: Bringing a New Tactile Dimension to Entertainment</p> <p><b>15:30</b> - Networking break and exhibition visit</p> <p><b>15:45</b> - 5G for Production and Contribution of Public Service Media</p>	<p><b>15:20</b> - P.I. Works Smart Network Planning &amp; AI Based Network Management</p> <p><b>15:30</b> - Resolve Systems</p> <p><b>15:40</b> - 5G network interactivity test presented by Rohde &amp; Schwarz</p> <p><b>15:50</b> - Connectivity Outdoor Solutions</p>		<p><b>15:00</b> - Future Networks Lab - discover the potential of 5G and future networks cross technologies</p>	<p><b>15:15</b> - Executive Roundtable 2: Geopolitics and telecom supply chain disruptions</p>	<p><b>15:00</b> - Supporting the World's Data Traffic Growth with 5G RAN</p> <p><b>15:20</b> - Networking break and exhibition visit</p>		<p><b>15:30</b> - Overcoming Barriers to Accelerate 5G Rollout - WM5G</p>
16:00	<p><b>16:20</b> - Panel: What's next? Imagining 5G Potential in Healthcare</p> <p><b>16:55</b> - Chair's Summary and 5G Use Cases Group Networking Activity</p>	<p><b>16:10</b> - Swisscom's Vision for the 5G Connected Business</p> <p><b>16:30</b> - Service Provider Address: Zain's 5G Vision and Roadmap</p> <p><b>16:50</b> - Chair's summary and 5G monetisation group networking</p>	<p><b>16:00</b> - Thales' virtual demo for 5G SIM!</p> <p><b>16:10</b> - O-Ran gNB-DU L1 HW Acceleration and FH Offload</p>				<p><b>16:00</b> - Panel: Building a Secure 5G Architecture</p> <p><b>16:30</b> - Chair's Summary and RAN Evolution Group Networking</p>		

# SESSIONS

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

## Chair's Opening Remarks

09:30 - 09:35  
5G World Keynotes

## Participants

**Camille Mendler** - Chief Analyst, Enterprise Services, Omdia

## Panel: How will 5G Redefine Telcos?

09:35 - 10:05  
5G World Keynotes

- 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

**Jürgen Hatheier** - Chief Technology Officer, Europe, Middle East and Africa, Ciena

**Christoph Aeschlimann** - CTO, Swisscom

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

## KT Leading the 5G Industry

10:05 - 10:25  
5G World Keynotes

- '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

## Service Provider Keynote: Transforming the Future with 5G

10:25 - 10:45  
5G World Keynotes

- 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 of Wireless & Access Technology, AT&T

## Networking break and exhibition visit

10:45 - 11:10  
5G World Keynotes

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

11:10 - 11:55  
5G World Keynotes

- 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: Global Practice Lead, Arthur D. Little

**Vinod Kumar** - CEO, Vodafone Business

**André Krause** - CEO and COO, Sunrise

**Sampath Sowmyanarayan** - President, Global Enterprise, Verizon Business Group

## 5G for Industry – Iskratel Smart Factory Use Case

11:45 - 11:55  
5G World Demo Programmes

## Networking break and exhibition visit

11:55 - 12:25  
5G World Keynotes

## NSFOCUS Anti-DDoS Attack & Defense Demo (SYN Flood)

11:55 - 12:05  
5G World Demo Programmes

## P.I. Works Smart Network Planning & AI Based Network Management

12:05 - 12:15  
5G World Demo Programmes

## Resolve Systems

12:15 - 12:25  
5G World Demo Programmes

See how Resolve's enterprise-class automation platform can help you automate everything on your network from proactive testing and provisioning to incident response. Resolve has automated some of the most complex networks on the planet – see how we can automate yours!

## Consumer 5G: What are the 5G based, next-generation services to enable further consumer monetisation (1 hour)

12:15 - 12:45  
Executive Roundtables (VIP access only)

## Participants

**Dario Talmesio** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

## 5G network interactivity test presented by Rohde & Schwarz

12:25 - 12:35  
5G World Demo Programmes

With the Interactivity Test, operators can measure the fundamental 5G network performance characteristics of latency, throughput and availability and derive network quality for real-time applications like eGaming and AR/VR in a single integrated test.

## Chair's Opening Remarks

12:45 - 12:50  
5G Service Based Architecture

## Participants

**Chris Silberberg** - Research Analyst, Omdia

## Chair's Opening Remarks

12:45 - 12:50  
Open Networks

## Participants

**Dimitris Mavrakis** - Research Director, ABI Research

### Chair's Opening Remarks

12:45 - 12:50

5G for Verticals - Energy & Utilities and Smart Cities

### Participants

**David Green** - Senior Research Manager – Smart Buildings and Energy Infrastructure, Omdia

### The West Midlands – pioneering 5G transport innovation

12:45 - 13:35

UK5G - Partner Programme (free to attend)

### Participants

**Rob Stait** - Chief Commercial Officer, AppyWay

**Matt Seaman** - Chief Executive Officer, Go Media

**Chris Holmes** - Programme Director Transport, West Midlands 5G

**Lesley Holt** - Head of Communications & Stakeholder Engagement, WM5G

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

12:50 - 13:20

5G Service Based Architecture

- 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

**Panellist: David Stokes** - Senior Portfolio Marketing Manager, Ribbon Communications

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

**Moderator: Amy Cameron** - Senior Analyst, STL Partners

### Increasing Network Flexibility with Disaggregated and Virtualised 5G RAN

12:50 - 13:10

Open Networks

- 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

### Innovation in Utilities and the Transformative Power of 5G

12:50 - 13:15

5G for Verticals - Energy & Utilities and Smart Cities

- Driving innovation: creative ways to build new solutions for customer and networks
- Creating capabilities: 5G private networks and 5G testbeds
- 5G roll out: deep dive into Northumbrian 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

### Panel: What is the Future of Open Radio Technology?

13:10 - 13:40

Open Networks

- Open RAN: understand the real economics
- Deployment scenarios for Open RAN: 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

### Participants

**Moderator: Dimitris Mavrakis** - Research Director, ABI Research

**Panelist: Karan Sarin** - Assistant Director – Radio Access Network, Ooredoo Group

**Panelist: Gabriele Elia** - Head of Open Innovation & Research, TIM

**Panelist: Richard MacKenzie** - Principal Researcher, BT

**Panelist: Greg Dial** - VP Product & Market Strategy, JMA Wireless

### Connecting the 5G Smart Meter

13:15 - 13:35

5G for Verticals - Energy & Utilities and Smart Cities

- 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

# SESSIONS

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

## 5G as a building block for advanced digital infrastructure

13:15 - 13:55

Digital Catapult - Partner Programme (free to attend)

5G as a building block for advanced digital infrastructure 5G, the internet of things and artificial intelligence are combining to create new products, applications, services and experiences changing how we live and work in the future. This combination can be described as "Advanced Digital Infrastructure" or "Intelligent Digital Fabric" and it will become the backbone of a new stack of technologies that enables the Augmented Reality Cloud, intelligent and resilient environments and digital twins. In this session we look at what the work of developing and adopting 5G-enabled solutions, and in particular the softwarisation and virtualisation of the infrastructure, providing the insights into how the technology stack is changing, how the infrastructure services are being commoditised, and how these trends can be taken advantage of more meaningfully and purposefully by UK businesses.

### Participants

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

**Anthony Karydis** - Founder and CEO, Mativision Ltd

**Phil Saw** - Project Director, Digital and Infrastructure, Infrastructure and Projects Authority

**Alan Evans** - Principal Solutions Architect, ORI

## 4G to 5G transition planning: Evolution through co-existence

13:20 - 13:40

5G Service Based Architecture

- 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 subscriber 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

## Roundtable 3: Edge computing: overcoming key industry challenges and monetising the edge

13:30 - 14:30

Roundtables

Pre-registration is required and available to all attendees and seats allocated on a first come basis.

To register please email [Rebekah.Dennis@informa.com](mailto:Rebekah.Dennis@informa.com) or message Rebekah on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' on Swapcard does not secure your place in the roundtable.

### Participants

**Moderator: Joe Madden** - Chief Analyst, Mobile Experts

## Connectivity Outdoor Solutions

13:30 - 13:40

5G World Demo Programmes

## Networking break and exhibition visit

13:35 - 14:10

5G for Verticals - Energy & Utilities and Smart Cities

## Networking break and exhibition visit

13:40 - 14:20

5G Service Based Architecture

## Networking break and exhibition visit

13:40 - 14:20

Open Networks

## Thales' virtual demo for 5G SIM!

13:40 - 13:50

5G World Demo Programmes

Welcome to Thales' virtual demo for 5G SIM! 3 use cases. 1. Cyber resilience With 5G SIM cards, mobile operators can securely and remotely swap on demand the authentication algorithm contained in the SIM via key rotation management. 2. Subscriber identity privacy (1'58") MNOs can ensure user data anonymisation thanks to IMSI encryption ensured by the customisable onboard 5G SIM in-built identity encryption capabilities. 3. Heterogeneous network authentication (2'54") Please request a meeting.

## The Potential for 5G Applications in the Preservation of Forests and Their Environment (Connected Forests)

13:45 - 14:35

UK5G - Partner Programme (free to attend)

### Participants

**Ceren Clulow** - 5G Connected Forest Project Lead, Nottinghamshire County Council

**Stefan Stanislawski** - Managing Director, Netmore UK

**Taufiq Asyhari** - Associate Professor, Birmingham City University

**Nick Mellors** - Managing Director, ISPB

**Nicola McCoy-Brown** - Group Manager for Growth and Economic Development, Nottinghamshire County Council

## Executive Roundtable 4: 5G performance and commercial opportunities

13:45 - 14:45

Executive Roundtables (VIP access only)

Available to VIP attendees only. Pre-registration required. For registration, contact [Maximilian.Holland@informa.com](mailto:Maximilian.Holland@informa.com) or message Max on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' Swapcard does not secure your place in the roundtable.

### Participants

**Phil Sheppard** - Director and Principal Consultant, Clear Technology Consulting

## O-RAN gNB-DU L1 HW Acceleration and FH Offload

13:50 - 14:00

5G World Demo Programmes

In this demo we are presenting an O-RAN gNB-DU L1 Hardware Acceleration and Front Haul

## 5G Automation

14:00 - 14:10

5G World Demo Programmes

Delivering on 5G's promise hinges on building agile and performance-driven 5G networks on which consumers and industries can rely. Blue Planet's 5G Automation approach helps you extend 5G's speed, massive capacity, and minimal latency benefits to your customers. Simply and efficiently.

### Panel: Key Success Factors in 5G

14:10 - 14:40

5G for Verticals - Energy & Utilities and Smart Cities

- 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

#### Participants

**Moderator: David Green** - Senior Research Manager – Smart Buildings and Energy Infrastructure, Omdia

**Eric Brown** - Chief Technology Officer, Energy Systems Catapult

**Aurélio Blanquet** - Board Advisor, EDP Distribuição

**Robert Denda** - Head of Network Technology and Innovation, Enel

### X-haul - Ciena's 5G Router Family

14:10 - 14:20

5G World Demo Programmes

Joe Marsella, Ciena's VP of Packet Networking Product Line Management, provides an overview of the importance of xHaul (fronthaul, Midhaul, backhaul) transport networks to 5G mobile networks. Joe also provides an overview and demo of Ciena's new family of purpose-built 5G

### Panel: SBA Enabling the 5G Digital Transformation Promise

14:20 - 14:55

5G Service Based Architecture

- 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

**Panellist: Muslim Elkotob** - Principal Solutions Architect, Vodafone

**Panellist: Zoran Spasojevic** - Network and Technology Managing Architect, O2

**Panellist: Chris Daniel** - CMS 5G Core Business Line Manager, Hewlett Packard Enterprise

**Moderator: Chris Silberberg** - Research Analyst, Omdia

### Service Provider Address: KDDI's Vision for Open Networks and Beyond 5G

14:20 - 14:35

Open Networks

- 5G services after 5G commercial launch
- Further involvement to open communities such as O-RAN and TIP
- Toward Beyond 5G/6G

#### Participants

**Satoshi Konishi** - EVP of KDDI Research Inc. and VP of Technology Planning, KDDI

### Panel Discussion: The Role of Policy in Advancing Competition and Diversity in the 5G Supply Chain

14:35 - 15:10

Open Networks

- The role of governments in expanding the supply chain for advanced wireless technologies, including 5G
- What are the policies that will foster the adoption of open and interoperable solutions in the RAN?
- How can policymakers and industry work cooperatively to create a global ecosystem of diverse, trusted suppliers?
- How will implementing proposals for open, interoperable and secure standards help create a more competitive global market?

#### Participants

**Moderator: Dimitris Mavrikis** - Research Director, ABI Research

**Panellist: Diane Rinaldo** - Executive Director, Open RAN Policy Coalition

**Panellist: Jeff Blum** - EVP External and Legislative Affairs, Dish

### Chair's Opening Remarks

14:40 - 14:45

5G for Verticals - Energy & Utilities and Smart Cities

#### Participants

**Jim Morrish** - Founding Partner, Transforma Insights

### Evolving a People's Smart City

14:45 - 15:05

5G for Verticals - Energy & Utilities and Smart Cities

- 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

# SESSIONS

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

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## Next phase of 5G, Standalone Core System

14:55 - 15:15

5G Service Based Architecture

- Key values and benefits by moving towards a 5G SA
- Identify the right timing for 5G SA delivery
- Business drivers for 5G SA and its eco-system

### Participants

**Majid Iqbal** - Senior Manager, Commercial Product, Telia

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## Roundtable 4: How to succeed in IIoT: from vertical know-how to 5G

15:00 - 16:00

Roundtables

Pre-registration is required and available to all attendees and seats allocated on a first come basis.

To register please email [Rebekah.Dennis@informa.com](mailto:Rebekah.Dennis@informa.com) or message Rebekah on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' on Swapcard does not secure your place in the roundtable.

### Participants

**John Canali** - Principal Senior Analyst, IoT, Omdia

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## 5G World Awards Ceremony - free to attend

15:00 - 15:50

5G World Awards Ceremony

The 5G World 2020 Awards celebrate and recognise achievement and excellence in the industry. Join your peers and attend the virtual Awards ceremony to see who the winners will be in 2020.

### Participants

**Mike Short CBE** - Chief Scientific Adviser, Department for International Trade

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## 15.05 - 15.35 Networking break and exhibition visit

15:05 - 15:35

5G for Verticals - Energy & Utilities and Smart Cities

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## The Successful Rollout of 5G Base Stations with Comarch OSS

15:05 - 15:15

5G World Demo Programmes

Discover how Comarch OSS can give you full control over network transformation, management and automation across the 5G network rollout process, facilitating access to new business opportunities for the 2020s and beyond.

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## Service Provider Interview: Deutsche Telekom on Disaggregating RAN

15:10 - 15:30

Open Networks

### Participants

**Interviewer: Gabriel Brown** - Principal Analyst, Omdia

**Interviewee: Franz Seiser** - VP, Core Network & PaaS, Access Disaggregation Innovation Lead, Deutsche Telekom

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## 15.10 - 15.40 Chair's Summary and SBA Group Networking

15:15 - 15:55

5G Service Based Architecture

Get together in small groups to discuss all things 5G service based architecture; from the talks you attended today, your questions, statements, challenges and ideas with like-minded peers in this topic focused networking session.

Alternatively, join the 5G World Awards Ceremony to hear all about this year's leading innovations and achievements, and celebrate excellence and breakthroughs in 5G!

### Participants

**Chris Silberberg** - Research Analyst, Omdia

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## Executive Roundtable 5: The private networks opportunity: Strategies, marketing and business models

15:15 - 16:15

Executive Roundtables (VIP access only)

Available to VIP attendees only. Pre-registration required. For registration, contact [Maximilian.Holland@informa.com](mailto:Maximilian.Holland@informa.com) or message Max on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' Swapcard does not secure your place in the roundtable.

### Participants

**Camille Mendler** - Chief Analyst, Enterprise Services, Omdia

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## HPE 5G Core Stack - watch a real cloud-native 5G core in action, with automated network slicing and self-healing

15:15 - 15:25

5G World Demo Programmes

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## 15:30 - 16.00 Chair's Summary and Open Networks Group Networking

15:30 - 16:00

Open Networks

Get together in small groups to discuss all things open networks; from the talks you attended today, your questions, statements, challenges and ideas with like-minded peers in this topic focused networking session.

Alternatively, join the 5G World Awards Ceremony to hear all about this year's leading innovations and achievements, and celebrate excellence and breakthroughs in 5G!

### Participants

**Dimitris Mavrakis** - Research Director, ABI Research

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## Best practice showcase: Learning from the Smartest (City)

15:35 - 16:05

5G for Verticals - Energy & Utilities and Smart Cities

- 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

**Moderator: David Altavev** - Founder & Director, Urban Frontiers

**Panelist: Bartosz Bartoszewicz** - Deputy Mayor, City of Gdynia

**Panelist: Wendy Robertson** - Digital Infrastructure Lead, Aberdeen City Council

**Panelist: Ruth Anderson** - Data & Digital Lead, Oxfordshire County Council

# SESSIONS

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

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## Towards 5G in the City of Tampere

16:05 - 16:25

5G for Verticals - Energy & Utilities and Smart Cities

- 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 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 safe

### Participants

**Teppo Rantanen** - Executive Director, City of Tampere

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## 16.25 Chair's Summary and 5G Use Cases Group Networking

16:25 - 16:55

5G for Verticals - Energy & Utilities and Smart Cities

Get together in small groups to discuss all things 5G Use Cases; from smart cities, energy & utilities, IoT and beyond. Discuss the talks you attended today, your questions, statements, challenges and ideas!

Alternatively, join the 5G World Awards Ceremony to hear all about this year's leading innovations and achievements, and celebrate excellence and breakthroughs in 5G!

### Participants

**Jim Morrish** - Founding Partner, Transforma Insights

# SCHEDULE

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G SERVICE BASED ARCHITECTURE	5G WORLD AWARDS CEREMONY	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	5G FOR VERTICALS - ENERGY & UTILITIES AND SMART CITIES	DIGITAL CATALYST - PARTNER PROGRAMME (FREE TO ATTEND)	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	OPEN NETWORKS	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
09:00				<p>09:30 - Chair's Opening Remarks</p> <p>09:35 - Panel: How will 5G Redefine Telcos?</p>						
10:00				<p>10:05 - KT Leading the 5G Industry</p> <p>10:25 - Service Provider Keynote: Transforming the Future with 5G</p> <p>10:45 - Networking break and exhibition visit</p>						
11:00			<p>11:45 - 5G for Industry – Iskratel Smart Factory Use Case</p> <p>11:55 - NSFOCUS Anti-DDoS Attach &amp; Defense Demo (SYN Flood)</p>	<p>11:10 - Enterprise Debate: 5G – End-Goal or Enabler for the Vertical Markets?</p> <p>11:55 - Networking break and exhibition visit</p>						

# SCHEDULE

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G SERVICE BASED ARCHITECTURE	5G WORLD AWARDS CEREMONY	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	5G FOR VERTICALS - ENERGY & UTILITIES AND SMART CITIES	DIGITAL CATALYST - PARTNER PROGRAMME (FREE TO ATTEND)	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	OPEN NETWORKS	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
12:00	<p><b>12:45</b> - Chair's Opening Remarks</p> <p><b>12:50</b> - Panel: Achieving Deployment Flexibility and Efficiency in Resource Utilisation with End-to-End Network Slicing</p>		<p><b>12:05</b> - P.I. Works Smart Network Planning &amp; AI Based Network Management</p> <p><b>12:15</b> - Resolve Systems</p> <p><b>12:25</b> - 5G network interactivity test presented by Rohde &amp; Schwarz</p>		<p><b>12:45</b> - Chair's Opening Remarks</p> <p><b>12:50</b> - Innovation in Utilities and the Transformative Power of 5G</p>		<p><b>12:15</b> - Consumer 5G: What are the 5G based, next-generation services to enable further consumer monetisation (1 hour)</p>	<p><b>12:45</b> - Chair's Opening Remarks</p> <p><b>12:50</b> - Increasing Network Flexibility with Disaggregated and Virtualised 5G RAN</p>		<p><b>12:45</b> - The West Midlands – pioneering 5G transport innovation</p>
13:00	<p><b>13:20</b> - 4G to 5G transition planning: Evolution through co-existence</p> <p><b>13:40</b> - Networking break and exhibition visit</p>		<p><b>13:30</b> - Connectivity Outdoor Solutions</p> <p><b>13:40</b> - Thales' virtual demo for 5G SIM!</p> <p><b>13:50</b> - O-Ran gNB-DU L1 HW Acceleration and FH Offload</p>		<p><b>13:15</b> - Connecting the 5G Smart Meter</p> <p><b>13:35</b> - Networking break and exhibition visit</p>	<p><b>13:15</b> - 5G as a building block for advanced digital infrastructure</p>	<p><b>13:45</b> - Executive Roundtable 4: 5G performance and commercial opportunities</p>	<p><b>13:10</b> - Panel: What is the Future of Open Radio Technology?</p> <p><b>13:40</b> - Networking break and exhibition visit</p>	<p><b>13:30</b> - Roundtable 3: Edge computing: overcoming key industry challenges and monetising the edge</p>	<p><b>13:45</b> - The Potential for 5G Applications in the Preservation of Forests and Their Environment (Connected Forests)</p>

# SCHEDULE

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G SERVICE BASED ARCHITECTURE	5G WORLD AWARDS CEREMONY	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	5G FOR VERTICALS - ENERGY & UTILITIES AND SMART CITIES	DIGITAL CATALYST - PARTNER PROGRAMME (FREE TO ATTEND)	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	OPEN NETWORKS	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
14:00	<p><b>14:20</b> - Panel: SBA Enabling the 5G Digital Transformation Promise</p> <p><b>14:55</b> - Next phase of 5G, Standalone Core System</p>		<p><b>14:00</b> - 5G Automation</p> <p><b>14:10</b> - X-haul - Ciena's 5G Router Family</p>		<p><b>14:10</b> - Panel: Key Success Factors in 5G</p> <p><b>14:40</b> - Chair's Opening Remarks</p> <p><b>14:45</b> - Evolving a People's Smart City</p>			<p><b>14:20</b> - Service Provider Address: KDDI's Vision for Open Networks and Beyond 5G</p> <p><b>14:35</b> - Panel Discussion: The Role of Policy in Advancing Competition and Diversity in the 5G Supply Chain</p>		
15:00	<p><b>15:15</b> - 15.10 - 15.40 Chair's Summary and SBA Group Networking</p>	<p><b>15:00</b> - 5G World Awards Ceremony - free to attend</p>	<p><b>15:05</b> - The Successful Rollout of 5G Base Stations with Comarch OSS</p> <p><b>15:15</b> - HPE 5G Core Stack - watch a real cloud-native 5G core in action, with automated network slicing and self-healing</p>		<p><b>15:05</b> - 15.05 - 15.35 Networking break and exhibition visit</p> <p><b>15:35</b> - Best practice showcase: Learning from the Smartest (City)</p>		<p><b>15:15</b> - Executive Roundtable 5: The private networks opportunity: Strategies, marketing and business models</p>	<p><b>15:10</b> - Service Provider Interview: Deutsche Telekom on Disaggregating RAN</p> <p><b>15:30</b> - 15:30 - 16.00 Chair's Summary and Open Networks Group Networking</p>	<p><b>15:00</b> - Roundtable 4: How to succeed in IIoT: from vertical know-how to 5G</p>	

# SCHEDULE

DAY 2 - 02/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G SERVICE BASED ARCHITECTURE	5G WORLD AWARDS CEREMONY	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	5G FOR VERTICALS - ENERGY & UTILITIES AND SMART CITIES	DIGITAL CATALYST - PARTNER PROGRAMME (FREE TO ATTEND)	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	OPEN NETWORKS	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
16:00					<p>16:05 - Towards 5G in the City of Tampere</p> <p>16:25 - 16.25 Chair's Summary and 5G Use Cases Group Networking</p>					

# SESSIONS

DAY 3 - 03/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

## Chair's Opening Remarks

09:10 - 09:15  
5G World Keynotes

## Participants

**Camille Mendler** - Chief Analyst, Enterprise Services, Omdia

## Ministerial Address

09:15 - 09:25  
5G World Keynotes

## Participants

**Matt Warman** - Parliamentary Under Secretary of State (Minister for Digital Infrastructure), Department for Digital, Culture, Media and Sport (DCMS), Government of the United Kingdom

## Panel: What does Covid-19 Mean for Telecoms

09:25 - 09:55  
5G World Keynotes

- How did operators respond to Covid-19? How did the business models cope and change?
- How has Covid-19 impacted business priorities and 5G?
- How are telcos supporting societies and economies in reopening?
- What macro-trends have accelerated in response to Covid-19 and what new trends are evolving?
- How can governments and regulators support telcos in return for their efforts during Covid-19?

## Participants

**Moderator: Dario Talmesio** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

**Andrea Lasagna** - CTO, Fastweb

**Antonietta Maria Mastroianni** - EVP, Chief Information Officer, TDC Group

## Mobile 2025 - Thinking about Next Phase of 5G

09:55 - 10:15  
5G World Keynotes

- Opportunities to eliminate the breakpoints of new services
- Enhanced 5G network enables "Full-service 5G" for the first time
- Key aspects for network evolution towards 2025

## Participants

**Shawn Yu** - Vice President, Wireless Network Marketing and Solution Sales, Huawei

## Panel: Open Networks Unlocking Telco Innovation

10:15 - 10:45  
5G World Keynotes

- Redefining the cost structure of telco infrastructure
- Deploying new business models and unlocking new revenue streams
- What are the realistic timelines for open networks to become a mainstream technology?

## Participants

**Panellist: Adam Koepp** - SVP Network Planning, Verizon Group

**Panellist: Yago Tenorio** - Group Head of Network Architecture, Vodafone Group

**Moderator: Mike Dano** - Editorial Director, 5G & Mobile Strategies, Light Reading

## Networking break and exhibition visit

10:45 - 10:55  
5G World Keynotes

## 5G network interactivity test presented by Rohde & Schwarz

10:55 - 11:05  
5G World Demo Programmes

With the Interactivity Test, operators can measure the fundamental 5G network performance characteristics of latency, throughput and availability and derive network quality for real-time applications like eGaming and AR/VR in a single integrated test.

## Connectivity Outdoor Solutions

11:05 - 11:15  
5G World Demo Programmes

## Thales' virtual demo for 5G SIM!

11:15 - 11:20  
5G World Demo Programmes

Welcome to Thales' virtual demo for 5G SIM! 3 use cases. 1. Cyber resilience With 5G SIM cards, mobile operators can securely and remotely swap on demand the authentication algorithm contained in the SIM via key rotation management. 2. Subscriber identity privacy (1'58") MNOs can ensure user data anonymisation thanks to IMSI encryption ensured by the customisable onboard 5G SIM in-built identity encryption capabilities. 3. Heterogeneous network authentication (2'54") Please request a meeting.

## Chair's Opening Remarks & Audience Survey Session

11:20 - 11:25  
5G For Verticals - Transportation & Mission Critical Communications

## Participants

**Steve Bell** - Principal Analyst and Director: Data and Analytics, Informa Tech Automotive Group

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

11:25 - 12:05  
5G For Verticals - Transportation & Mission Critical Communications

- 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

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

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

**Panellist: Maxime Flament** - Chief Technology Officer, 5GAA

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

## O-Ran gNB-DU L1 HW Acceleration and FH Offload

11:25 - 11:35  
5G World Demo Programmes

In this demo we are presenting an O-RAN gNB-DU L1 Hardware Acceleration and Front Haul

## Chair's Opening Remarks & Audience Survey Session

11:30 - 11:35  
5G Cloud & Edge

## Participants

**Rajesh Ghai** - Research Director, Carrier Network Infrastructure, IDC

### Chair's Opening Remarks & Audience Survey Session

11:30 - 11:35

Intelligent Networks & Automation

#### Participants

**James Crawshaw** - Principal Analyst, Service Provider Operations and IT, Omdia

### Executive Roundtable 6: 5G Fixed Wireless Strategies, Pricing and Marketing

11:30 - 12:30

Executive Roundtables (VIP access only)

Available to VIP attendees only. Pre-registration required. For registration, contact Maximilian.Holland@informa.com or message Max on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' Swapcard does not secure your place in the roundtable.

#### Participants

**Dario Talmesio** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

### Open Universal Hybrid Cloud

11:35 - 11:55

5G Cloud & Edge

In journey to a digital telecommunication company, communication service providers need an open, flexible hybrid, and universal technology platform capable of hosting any types of workloads (virtualized, containerized) for IT and Network functions and applications. In this presentation, I will describe a first of a kind initiative to create and deploy such a platform for production use, exploit it for Edge related scenarios, and monetize it as service provider and service enabler.

#### Participants

**Jamshid Vayghan** - Global CTO & Vice President, IBM

### Service Provider Use Case: (Responsible use of AI)<sup>2</sup>

11:35 - 11:55

Intelligent Networks & Automation

- Managing the unintended, negative side effects of AI business opportunities
- "The Responsible AI by Design" method
- Is it responsible not to use AI for certain societal problems?
- Scaling data sharing for the public good

#### Participants

**Richard Benjamins** - Chief AI and Data Strategist, Telefónica

### Smart Tourism in a post Coronavirus world, How 5G will enable virtual Tourism

11:45 - 12:35

UK5G - Partner Programme (free to attend)

#### Participants

**Seth Jackson** - Chief Executive Officer, Landmrk

**Selvakumar Ramachandran** - Founder, Kerckhoffs Ltd

**Anthony Karydis** - Founder and CEO, Mativision Ltd

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

### Roundtable 5: How not to miss out in private campus networks: a new value chain opportunity

11:45 - 12:45

Roundtables

Pre-registration is required and available to all attendees and seats allocated on a first come basis.

To register please email [Rebekah.Dennis@informa.com](mailto:Rebekah.Dennis@informa.com) or message Rebekah on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' on Swapcard does not secure your place in the roundtable.

#### Participants

**Pablo Tomasi** - Principal Analyst - Omdia, Omdia

### Using Edge Computing to Deliver on the Promise of 5G

11:55 - 12:15

5G Cloud & Edge

- Using MEC to enlarge business coverage and enrich the tech ecosystem
- Capabilities, needs and realities of enterprises
- MEC deployment models and architecture
- Managing a widely extending network network

#### Participants

**Bruno Vilares** - Senior Solution Director, Cloud Core Network Marketing and Solution Sales, Huawei

### The Use of AI for Automated Cross-vendor VNF Self-healing and Auto-scaling

11:55 - 12:15

Intelligent Networks & Automation

- Using AI/ML for discovering pattern and making predictions
- Matching the best VNFs for predicted usage
- Automatically triggering self-healing and auto-scaling across different VNF implementing
- Assuring uninterrupted performance for customer services by ability to seamlessly swap between different vendors VNFs best matching predicted traffic

#### Participants

**Lukasz Mendyk** - OSS Product Manager, Comarch

### Panel: Innovation and Delivery of Rail 5G

12:05 - 12:35

5G For Verticals - Transportation & Mission Critical Communications

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

#### Participants

**Moderator: Steve Bell** - Principal Analyst and Director: Data and Analytics, Informa Tech Automotive Group

**Panelist: Albert Tortajada Flores** - Director of Infrastructure, Ferrocarrils de la Generalitat de Catalunya

**Panelist: Tjeerd Oudkerk** - Strategy and Innovation Advisor, Nederlandse Spoorwegen

# SESSIONS

DAY 3 - 03/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

## The Successful Rollout of 5G Base Stations with Comarch OSS

12:10 - 12:20  
5G World Demo Programmes

Discover how Comarch OSS can give you full control over network transformation, management and automation across the 5G network rollout process, facilitating access to new business opportunities for the 2020s and beyond.

## Networking break and exhibition visit

12:15 - 12:50  
5G Cloud & Edge

## Networking break and exhibition visit

12:15 - 13:00  
Intelligent Networks & Automation

## HPE 5G Core Stack - watch a real cloud-native 5G core in action, with automated network slicing and self-healing

12:20 - 12:30  
5G World Demo Programmes

## 5G for Industry – Iskratel Smart Factory Use Case

12:30 - 12:40  
5G World Demo Programmes

## Networking break and exhibition visit

12:35 - 13:00  
5G For Verticals - Transportation & Mission Critical Communications

## 5G RuralFirst to 5G New Thinking: the journey to building sustainable connectivity for our rural communities

12:45 - 13:35  
UK5G - Partner Programme (free to attend)

### Participants

**Robert Stewart** - Professor of Signal Processing and Communications, University of Strathclyde

**Clare Hanratty** - Chief Executive Officer, Pure Leapfrog

**Dez O'Connor** - Senior Manager, CISCO

**Richard Foggie** - Digital Economy & IoT, KTN (the Knowledge Transfer Network)

## Panel: Enabling 5G Through Cloud Native Telco Architecture

12:50 - 13:30  
5G Cloud & Edge

- 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

### Participants

**Andrea Calvi** - Senior Manager at Chief Innovation and Partnership Office, TIM

**Moderator: Rajesh Ghai** - Research Director, Carrier Network Infrastructure, IDC

**Kashif Mahmood** - Senior Research Scientist, Telenor

**Ron Parker** - Vice President, Chief Technology Officer, Affirmed Networks

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

13:00 - 13:30  
Intelligent Networks & Automation

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

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

### Participants

**Moderator: James Crawshaw** - Principal Analyst, Service Provider Operations and IT, Omdia

**Panelist: Arjun Parekh** - Senior Manager, Self-Learning Networks Research, BT

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

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

**Panelist: Abhinay Padhye** - SVP of Engineering, Resolve

## Panel: A Connected Customer Journey

13:00 - 13:30  
5G For Verticals - Transportation & Mission Critical Communications

- Understanding the traveller: what do people want from their journeys?
- What does the customer journey look like in a 5G world?
- The tech-consumer divide: do people want 5G and connected vehicles?
- 5G applications in transport: what should we expect from vehicles?

### Participants

**Moderator: Andrew Grant** - Intelligent Mobility Analyst, Bloomberg NEF

**Panelist: Ian Plummer** - Manufacturer and Agency Director, AutoTrader

**Panelist: Helen Ursell** - Principal Transport Planner, Transport for West Midlands

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

## Executive Roundtable 7: Spectrum Capacity Planning for the Future

13:00 - 14:00  
Executive Roundtables (VIP access only)

Available to VIP attendees only. Pre-registration required. For registration, contact Maximilian.Holland@informa.com or message Max on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' Swapcard does not secure your place in the roundtable.

### Participants

**Sarah McBride** - Senior Analyst, Strategy & Regulation, Omdia

**Dario Talmesio** - Research Director - Service Provider Strategy and Regulation, 5G Accelerator, Omdia

# SESSIONS

DAY 3 - 03/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

## Roundtable 6: Open networks: Realistic timelines, technology, investment and government support requirements

13:15 - 14:15

Roundtables

Pre-registration is required and available to all attendees and seats allocated on a first come basis.

To register please email [Rebekah.Dennis@informa.com](mailto:Rebekah.Dennis@informa.com) or message Rebekah on Swapcard (the 5G World Virtual event platform).

Clicking 'Register do attend' on Swapcard does not secure your place in the roundtable.

### Participants

**Andy Jones** - Managing Director, Jonesthphone Consulting

## Ready for commercial network slicing trial on 5G-SA

13:30 - 13:50

5G Cloud & Edge

### Participants

**Kashif Mahmood** - Senior Research Scientist, Telenor

## Networking break and exhibition visit

13:30 - 14:05

Intelligent Networks & Automation

## Panel: Sailing the Maritime Industry Towards 5G

13:30 - 14:00

5G For Verticals - Transportation & Mission Critical Communications

- 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

**Moderator: Steve Bell** - Principal Analyst and Director: Data and Analytics, Informa Tech Automotive Group

**Panelist: Ansis Zeltiņš** - Chief Executive Officer, Freeport of Riga

**Panelist: Kun Yang** - Founder & CEO, Super Radio AS

**Panelist: Jan Erik Norli** - Chief Marketing Officer, Telenor Maritime

**Panelist: Kjartan Hauge** - Partner, Naval & Maritime

## 5G Market-Making: for and through 5G connectivity (MANY)

13:45 - 14:35

UK5G - Partner Programme (free to attend)

### Participants

**Katy Mason** - Professor of Markets and Management Practice, Lancaster University

**Michael Grayson** - Program Manager, North Yorkshire County Council

**Katherine Pearson** - Managing Director, Flo-culture

**Alasdair MacLeod** - Head of New Infrastructure, Quickline

**Graham Wolsely** - Public Safety Team, Safenetics

## NSFOCUS Anti-DDoS Attach & Defense Demo (SYN Flood)

13:45 - 13:55

5G World Demo Programmes

## Networking break and exhibition visit

13:50 - 14:20

5G Cloud & Edge

## P.I. Works Smart Network Planning & AI Based Network Management

13:55 - 14:05

5G World Demo Programmes

## Networking break and exhibition visit

14:00 - 14:35

5G For Verticals - Transportation & Mission Critical Communications

## Panel: Data and AI in Telco Operations

14:05 - 14:40

Intelligent Networks & Automation

- 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 through deep learning
- From Telco AI to 6G AI: what is the potential of AI for telcos?

### Participants

**Moderator: James Crawshaw** - Principal Analyst, Service Provider Operations and IT, Omdia

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

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

**Tarik Kranda** - Product And Applied Research Group Manager, P.I. Works

## Resolve Systems

14:05 - 14:15

5G World Demo Programmes

See how Resolve's enterprise-class automation platform can help you automate everything on your network from proactive testing and provisioning to incident response. Resolve has automated some of the most complex networks on the planet – see how we can automate yours!

## 5G Automation

14:15 - 14:25

5G World Demo Programmes

Delivering on 5G's promise hinges on building agile and performance-driven 5G networks on which consumers and industries can rely. Blue Planet's 5G Automation approach helps you extend 5G's speed, massive capacity, and minimal latency benefits to your customers. Simply and efficiently.

### Panel: 5G and Edge Unlocking New Possibilities

14:20 - 15:00  
5G Cloud & Edge

- 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

**Panellist: Andrea Dona** - UK Head of Networks, Vodafone UK

**Panellist: Juan Carlos Garcia** - SVP Technology and Architecture, Telefonica Group

**Panellist: Tejas Rao** - Global 5G Offering Lead, Network Services, Accenture

**Moderator: Rajesh Ghai** - Research Director, Carrier Network Infrastructure, IDC

**Panellist: Rajesh Gadiyar** - Vice President, Data Platforms Group, CTO Network Platforms Group, Intel

**Panellist: Walter Featherstone** - WG Decode Chairman, ISG MEC Technical Manager, ETSI MEC ISG

### X-haul - Ciena's 5G Router Family

14:25 - 14:35  
5G World Demo Programmes

Joe Marsella, Ciena's VP of Packet Networking Product Line Management, provides an overview of the importance of xHaul (fronthaul, Midhaul, backhaul) transport networks to 5G mobile networks. Joe also provides an overview and demo of Ciena's new family of purpose-built 5G

### Chairs Opening Remarks

14:35 - 14:40  
5G For Verticals - Transportation & Mission Critical Communications

#### Participants

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

### Emerge Smarter as you get back to work: Intelligent Cloudified Networks to deliver increased customer value and enhance competitive advantage

14:40 - 15:00  
Intelligent Networks & Automation

Network Cloudification is the next wave of Network Virtualization which involves moving the Virtualized Network Functions (even containerizing) over to the Cloud.

Join us in this fireside chat as we discuss the key drivers and benefits of Network Cloudification. Also, learn how IBM can help you can transform your networks to deliver more customer value, reduce network costs and prepare for future growth.

In this session, you will gain insights on:

1. The significance of Edge and 5G and how it could transform your businesses
2. The need for Telcos to Modernize their Networks and enable Enterprises to deliver new services at the Edge
3. Network Cloudification Services that IBM offers across the entire lifecycle phases of your Network Transformation journey
4. Increasing need for Intelligent Automation and Orchestration capabilities

#### Participants

**Shobit Joshi** - Offering Strategy Leader - Telco & Enterprise Network Cloud, IBM

**Abin Chacko Moozhiiyl** - Global Product Marketing Leader, IBM Services, Network, IBM

### Panel: Beyond Voice: Introducing Mission Critical Data and Video Communications

14:40 - 15:10  
5G For Verticals - Transportation & Mission Critical Communications

- 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

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

**Panelist: Sam Shah** - Founder & Director, Faculty of Future Health

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

**Panelist: Paul Speight** - Watch Manager, Leicestershire Fire & Rescue

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

### Chair's Summary and Cloud & Edge Group Networking Session

15:00 - 15:30  
5G Cloud & Edge

Get together in small groups to discuss all things Cloud & RAN - from the talks you heard about today, to your questions, statements, challenges and ideas!

#### Participants

**Rajesh Ghai** - Research Director, Carrier Network Infrastructure, IDC

### Chair's Summary and Telco AI Group Networking activity

15:00 - 15:30  
Intelligent Networks & Automation

Get together in small groups to discuss all things Telco AI- from the talks you heard about today, to your questions, statements, challenges and ideas with like-minded peers in this topic focused networking session.

#### Participants

**James Crawshaw** - Principal Analyst, Service Provider Operations and IT, Omdia

# SESSIONS

DAY 3 - 03/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

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## Panel: Deep-dive into the UK Mission Critical Communications Ecosystem

15:10 - 15:40

5G For Verticals - Transportation & Mission Critical Communications

- 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

**Moderator: Ken Rehbehn** - Directing Analyst, Critical Communications, Omdia

**Panelist: Stephen Greenslade** - Principal Solutions Architect, EE

**Panelist: Cate Walton** - Technical Architect, UK Home Office

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## Chair's summary and group networking activity

15:40 - 16:10

5G For Verticals - Transportation & Mission Critical Communications

### Participants

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

# SCHEDULE

DAY 3 - 03/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G CLOUD & EDGE	5G FOR VERTICALS - TRANSPORTATION & MISSION CRITICAL COMMUNICATIONS	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	INTELLIGENT NETWORKS & AUTOMATION	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
09:00				<p>09:10 - Chair's Opening Remarks</p> <p>09:15 - Ministerial Address</p> <p>09:25 - Panel: What does Covid-19 Mean for Telecoms</p> <p>09:55 - Mobile 2025 - Thinking about Next Phase of 5G</p>				
10:00			<p>10:55 - 5G network interactivity test presented by Rohde &amp; Schwarz</p>	<p>10:15 - Panel: Open Networks Unlocking Telco Innovation</p> <p>10:45 - Networking break and exhibition visit</p>				

# SCHEDULE

DAY 3 - 03/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G CLOUD & EDGE	5G FOR VERTICALS - TRANSPORTATION & MISSION CRITICAL COMMUNICATIONS	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	INTELLIGENT NETWORKS & AUTOMATION	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
11:00	<p><b>11:30</b> - Chair's Opening Remarks &amp; Audience Survey Session</p> <p><b>11:35</b> - Open Universal Hybrid Cloud</p> <p><b>11:55</b> - Using Edge Computing to Deliver on the Promise of 5G</p>	<p><b>11:20</b> - Chair's Opening Remarks &amp; Audience Survey Session</p> <p><b>11:25</b> - Panel: Don't Drive Over the Edge: Connecting Vehicles with the Latest Technologies</p>	<p><b>11:05</b> - Connectivity Outdoor Solutions</p> <p><b>11:15</b> - Thales' virtual demo for 5G SIM!</p> <p><b>11:25</b> - O-Ran gNB-DU L1 HW Acceleration and FH Offload</p>		<p><b>11:30</b> - Executive Roundtable 6: 5G Fixed Wireless Strategies, Pricing and Marketing</p>	<p><b>11:30</b> - Chair's Opening Remarks &amp; Audience Survey Session</p> <p><b>11:35</b> - Service Provider Use Case: (Responsible use of AI)<sup>2</sup></p> <p><b>11:55</b> - The Use of AI for Automated Cross-vendor VNF Self-healing and Auto-scaling</p>	<p><b>11:45</b> - Roundtable 5: How not to miss out in private campus networks: a new value chain opportunity</p>	<p><b>11:45</b> - Smart Tourism in a post Coronavirus world, How 5G will enable virtual Tourism</p>
12:00	<p><b>12:15</b> - Networking break and exhibition visit</p> <p><b>12:50</b> - Panel: Enabling 5G Through Cloud Native Telco Architecture</p>	<p><b>12:05</b> - Panel: Innovation and Delivery of Rail 5G</p> <p><b>12:35</b> - Networking break and exhibition visit</p>	<p><b>12:10</b> - The Successful Rollout of 5G Base Stations with Co-march OSS</p> <p><b>12:20</b> - HPE 5G Core Stack - watch a real cloud-native 5G core in action, with automated network slicing and self-healing</p> <p><b>12:30</b> - 5G for Industry – Iskratel Smart Factory Use Case</p>			<p><b>12:15</b> - Networking break and exhibition visit</p>		<p><b>12:45</b> - 5G RuralFirst to 5G New Thinking: the journey to building sustainable connectivity for our rural communities</p>

# SCHEDULE

DAY 3 - 03/09/2020

5G World Summit

1 - 3 September 2020

Virtual Event

9.00am BST (British Summer Time, GMT+1)

TIME	5G CLOUD & EDGE	5G FOR VERTICALS - TRANSPORTATION & MISSION CRITICAL COMMUNICATIONS	5G WORLD DEMO PROGRAMMES	5G WORLD KEYNOTES	EXECUTIVE ROUNDTABLES (VIP ACCESS ONLY)	INTELLIGENT NETWORKS & AUTOMATION	ROUNDTABLES	UK5G - PARTNER PROGRAMME (FREE TO ATTEND)
13:00	<p><b>13:30</b> - Ready for commercial network slicing trial on 5G-SA</p> <p><b>13:50</b> - Networking break and exhibition visit</p>	<p><b>13:00</b> - Panel: A Connected Customer Journey</p> <p><b>13:30</b> - Panel: Sailing the Maritime Industry Towards 5G</p>	<p><b>13:45</b> - NSFOCUS Anti-DDoS Attach &amp; Defense Demo (SYN Flood)</p> <p><b>13:55</b> - P.I. Works Smart Network Planning &amp; AI Based Network Management</p>		<p><b>13:00</b> - Executive Roundtable 7: Spectrum Capacity Planning for the Future</p>	<p><b>13:00</b> - Panel: Applying AI Automation Across the Entire Lifecycle of Network Operations</p> <p><b>13:30</b> - Networking break and exhibition visit</p>	<p><b>13:15</b> - Roundtable 6: Open networks: Realistic timelines, technology, investment and government support requirements</p>	<p><b>13:45</b> - 5G Market-Making: for and through 5G connectivity (MANY)</p>
14:00	<p><b>14:20</b> - Panel: 5G and Edge Unlocking New Possibilities</p>	<p><b>14:00</b> - Networking break and exhibition visit</p> <p><b>14:35</b> - Chairs Opening Remarks</p> <p><b>14:40</b> - Panel: Beyond Voice: Introducing Mission Critical Data and Video Communications</p>	<p><b>14:05</b> - Resolve Systems</p> <p><b>14:15</b> - 5G Automation</p> <p><b>14:25</b> - X-haul - Ciena's 5G Router Family</p>			<p><b>14:05</b> - Panel: Data and AI in Telco Operations</p> <p><b>14:40</b> - Emerge Smarter as you get back to work: Intelligent Cloudified Networks to deliver increased customer value and enhance competitive advantage</p>		
15:00	<p><b>15:00</b> - Chair's Summary and Cloud &amp; Edge Group Networking Session</p>	<p><b>15:10</b> - Panel: Deep-dive into the UK Mission Critical Communications Ecosystem</p> <p><b>15:40</b> - Chair's summary and group networking activity</p>				<p><b>15:00</b> - Chair's Summary and Telco AI Group Networking activity</p>		