

The Virtual Networks Group

Deploying virtualised 5G networks in practice

29th April 2021

This SIG is championed by **Julie Bradford** of **Real Wireless**, **Mark England** of **Cambridge Consultants**, **Andrew Palmer** of **CGI** and **Justin Paul** of **Ericsson Digital Services**

AGENDA

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- 14:00** CW and UK5G welcome by **Robert Driver, Head, UK5G**
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- 14:05** Introduction to topic by **Julie Bradford, Virtual Networks SIG Champion** and **Managing Consultant, Real Wireless**
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- 14:10** **Session chaired by SIG champion, Julie Bradford**
'Implementing virtualized RAN: economic and architectural challenges'
Roberto Kompany, Senior Analyst, Analysys Mason
Mobile operators are planning to deploy virtualised RAN as they migrate their networks to 5G, but there are significant challenges that have to be addressed before they can deploy this architecture at scale.
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- 14:25** **'Intel FlexRAN enabling the vRAN market'**
Daniel Lynch, Segment Marketing Director, Intel
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- 14:40** **'Containerized 5G at the Edge'**
Richard Hewitt, 5G Product Owner, Metaswitch
We'll discuss the drivers, opportunities and challenges around 5G deployed at the enterprise edge, making use of virtualization and containerization to simplify and optimize the consumption of 5G.
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- 14:55** Panel session with all speakers chaired by **SIG champion, Julie Bradford**
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- 15:30** **End of session followed by networking**
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- 16:00** **Event closes**
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With the permission of the speakers, presentations will be loaded to the CW website the week following the event

Profile of organisers

Cambridge Wireless (CW)

CW is the leading international community for companies involved in the research, development and application of wireless and mobile, internet, semiconductor and software technologies. With over 400 members from major network operators and device manufacturers to innovative start-ups and universities, CW stimulates debate and collaboration, harnesses and shares knowledge, and helps to build connections between academia and industry. CW's 19 Special Interest Groups (SIGs) provide its members with a dynamic forum where they can network with their peers, track the latest technology trends and business developments and position their organisations in key market sectors. CW also organises major conferences and start-up competitions along with other high-quality industry networking events and dinners. With headquarters at the heart of Cambridge, UK, CW partners with other international industry clusters and organisations to extend its reach and remain at the forefront of global developments and business opportunities. cambridgewireless.co.uk

UK5G

UK5G is the new national innovation network dedicated to the promotion of research, collaboration and the commercial application of 5G in the UK. UK5G is a 'network of networks' to facilitate and encourage the engagement and coordination of organisations working on 5G activities across the UK. It will enhance links between ongoing research and development and other activities being undertaken by organisations across telecoms and other sectors, as well as the testbeds and trials that will be funded through the UK Government's 5G Testbeds and Trials Programme. It will facilitate the joining up of businesses, large and small, academic institutions and the public sector

throughout the UK. UK5G is independent and impartial. A senior national advisory board will advise the Government's 5G Testbeds and Trials Programme, providing expert feedback from industry, identifying their priorities and advising on future areas of focus. UK5G will be a focal point for international engagement into the UK's 5G eco-system - encouraging international participation and investment. uk5g.org

Profile of SIG Champions

Julie Bradford, Managing Consultant, Real Wireless

Julie has worked in the wireless industry for over 15 years. At Real Wireless, she is a thought leader in 5G business case analysis including understanding 5G use cases, quantifying (in financial terms) the operational and socio-economic benefits of 5G services and understanding network dimensioning and cost implications under 5G virtualised networks. She has most recently led Real Wireless' techno-economic analysis on the EC Horizon 2020 5G-MoNArch project. Inspired by the project's smart sea port testbed constructed by HPA, Nokia and DT in the Port of Hamburg, this analysis included quantifying the operational benefits of 5G to port authorities and other port users and the cost implications of delivering these industrial grade wireless services from existing mobile infrastructure via network slicing supported via the virtualised 5G-MoNArch network architecture. Previously, Julie was Communications Engineer at QinetiQ UK, consultant at PA Consulting UK, and Senior Systems Engineer for Airvana UK. real-wireless.com

Mark England, Associate Director, Cambridge Consultants

Mark England has spent three decades architecting, designing, and implementing a wide variety of wired and wireless communications products, services, systems and protocols; from short range point to point systems to those which operate on a global scale. Mark joined Cambridge Consultants in 2000, and for the past 17 years he has been providing leading edge design, development and consultancy services to a wide range of clients.

cambridgeconsultants.com

Andrew Palmer, Consulting Director, CGI

Andrew has more than 30 years of experience in IT, Telecoms and TV and Media, having worked in various roles for IBM, AT&T, Ericsson, Motorola and Arris. Andrew's present role is to leverage existing CGI capabilities that match the needs of our clients in the Telecoms sector, as well as building new capabilities that will support the emerging and changing needs of our client base. Andrew has proven experience in developing and delivering complex SI and Services solutions that meet both business and technology needs. Andrew has co-authored "UK Telecoms For Dummies", an essential guide to the complicated UK Telecoms sector as well as articles for publications such as the Cambridge Wireless Journal including "How do we build the new world of 5g?". He frequently speaks at conferences and provides media commentary on industry topics like 5G, IoT and Smart Cities, as well as being a member of the Digital Policy Alliance's Smart Society Working Group, techUK Spectrum Policy Forum and the Cambridge Wireless Virtual Networks Special Interest Group. cgi-group.co.uk

Justin Paul, Senior Marketing Manager, Ericsson Digital Services

Justin has over twenty years' experience in technology marketing in the telecoms and software industries. Prior to joining Ericsson Digital Services he worked for Zeetta Networks, Huawei Technologies in NFV/SDN Marketing and Amdocs where he led the launch of their NFV Portfolio which now forms a major part of the ONAP (Open Network Automation Platform). During his career he has been responsible for the launch and go-to-market for a number of leading-edge technologies including 3G, IPTV, LTE, NFV and 5G. A TED-trained conference speaker he has presented at a number of major international conferences including Layer 123 SDN and Openflow Congress, LTE Asia and SCTE. A CIM qualified marketer he runs a Bristol-based Digital Marketing knowledge-sharing group. www.ericsson.com

Profile of speakers

Richard Hewitt, Metaswitch

Richard Hewitt is a 5G product owner and solution architect at Metaswitch. He has designed and developed cloud native voice and data products in roles in Engineering, Customer Support, and Product Management and alongside Tier 1 operators around the world. www.metaswitch.com

Roberto Kompany, Senior Analyst, Analysys Mason

Roberto is a member of Analysys Mason's Telecoms Software and Networks research team and is the lead analyst for the Next-Generation Wireless Networks programme focusing on strategy and market research. He is also a

Cambridge Wireless Special Interest Group (SIG) Mobile Broadband Champion. Prior to joining Analysys Mason, Roberto worked for Dixons Carphone, where he analysed the effect on the business of shifts in the telecoms market, for example, in terms of mergers, operator KPIs and technology - in Europe and the UK. Previous positions included consultancy, where he helped a variety of clients worldwide with mobile-related projects, such as a capex reduction and developing a 5-year strategy for an incumbent's wireless infrastructure. He started his career at a leading network equipment vendor, where he served in several different capacities such as R&D and deployment and optimisation of mobile infrastructures across multiple continents. Roberto holds an MSc in Mobile & Satellite Communications from University of Surrey and an MBA from IE Business School.

www.analysismason.com

Daniel Lynch, Intel

Market Segment Director responsible for driving the business, silicon, software and platform strategy for FlexRAN. The FlexRAN reference platform enables a cloud platform at the very edge of the wireless network as the worldwide infrastructure gears up for 5G deployment and network service innovation. Dan joined Intel in 2005 and has held a range of technical and marketing roles mainly focused on networking segments playing a pivotal role in the NFV market transformation. www.intel.com