Mobile Broadband SIG event
'Evolution of LTE and WiFi roles as 4G develops towards 5G'

17th September 2015

Hosted by

idea LONDON

The Mobile Broadband SIG is championed by George Grayland of **Nokia Networks**, Peter Montgomery of **GSMA**, Tom Rebbeck of **Analysys Mason** and Iain Stanbridge of **EE**

Venue: IDEALondon, 69 Wilson St, London, EC2A 2BB

AGENDA	
13:00	Registration and networking
13:30	Introduction to Mobile Broadband SIG from **Iain Stanbridge** of **EE**
13:40	Welcome from the host, **Professor Izzat Darwazeh** of **UCL**
13:50	**Session chaired by Iain Stanbridge, SIG Champion** **'Consumer-G: Focus on user experience'** **Niko Louvranos**, Business Development Manager - Telecoms, **Arqiva** The industry has always been promising consumers that every new-G will deliver benefits that will dwarf current-G technology ones. But how do consumers experience these enhanced benefits? How will these benefits manifest in the world of 5G where the industry is mostly focusing on stretching cellular and WiFi features in isolation instead of understanding how to deliver tangible value to consumers? How high on the industry's agenda of 5G features to stretch sits the convergence of cellular and WiFi? Are we over-engineering 5G and missing the forest for the trees?
14:10	Q&A
14:15	**'LTE and WiFi playing together on license free spectrum – learning to share'** **Sami Susiaho, Head of Edge Technologies, The Cloud Networks, BSkyB** All modern deployments consider how to complement the LTE network with WiFi. At the same time, the thirst to use the abundant license free spectrum for LTE has started to create friction. Thankfully, the two camps have finally sat around a table, discussing how to facilitate fair co-existence between these technologies. There is a significant risk here though, as the worst case scenario looks very bad indeed. Sami intends to dive into the details with much more depth in the event.
14:35	Q&A
14:40	**Refreshments and networking**
15:10	**Session chaired by Tom Rebbeck, SIG Champion** **'A mobile operator view on the role of WiFi'** **Edward Ellis,** Senior Corporate Strategy Manager, **EE** As customer demand continues to grow, the role that WiFi plays in an increasingly mobile-centric world is changing. The evolving expectations of our customers and technological landscape require us to rethink the way in which we deliver services and connectivity to the UK population. This talk will focus on the role that WiFi has to play from the perspective of a mobile operator, and how we can leverage the technology at our disposal to best serve the evolving needs and expectations of our customers.
15:30	Q&A
15:35	**'The evolution of LTE advanced'** **Milan Bavisi,** MBB Solution Manager, **Nokia** LTE continues to introduce higher data speeds with LTE Advanced. What are the likely data speeds on offer as we head towards 5G? What capacity features are going to become necessary as traffic grows on LTE networks? What are the key requirements being developed for LTE Advanced that will play a key part for 5G?
15:55	Q&A
16:00	Panel session with all speakers chaired by **Tom Rebbeck**, **SIG Champion**
16:40	**Event closes – please complete evaluation forms**

With the permission of the speakers, presentations will be loaded to the CW website on the day 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 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 the annual Future of Wireless International Conference and Discovering Start-Ups competition 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. For more information, please visit www.**cambridgewireless**.co.uk

Profile of host

IDEALondon

From the heart of London's Tech City, a unique collaboration of industry leaders has joined forces to support digital innovation. Our mission? To champion a new generation of high-growth start-ups and help create the digital success stories of tomorrow. Created by Cisco, DC Thomson and UCL, we are the Innovation and Digital Enterprise Alliance London (IDEALondon) – a talent hotbed like no other.

Sharing a common goal of driving UK innovation, IDEALondon is a unique alliance between the global leader in IT and communications, an international media company and one of the world's top education and research institutions. For more information, please visit **www.idea-london.co.uk**

Profile of SIG Champions

George Grayland, Nokia Networks

George Grayland is a Senior Wireless Solutions Manager with Nokia Siemens Networks. George joined Nokia Networks in 1998 and has held positions in both Product Management and Technical Sales for GSM, WCDMA and LTE networks. After periods working with Operators such as Telefonica and Deutsche Telecom on 3G, he is now based in the UK and is responsible for Mobile Broadband Networks Solutions working with two of the UKs larger MNOs as they plan their 4G network deployments. Prior to Nokia and NSN George held various positions at Philips Electronics in both R&D and Technical Marketing. He has a BEng in Electrical and Electronic Engineering from the University of Bradford and is a Member of the IET. For more information, please visit www.**NSN**.com

Peter Montgomery, GSMA

Peter currently leads strategic partnership activities for the GSMA. He works with key stakeholders in the mobile telecoms market to collaborate on GSMA led industry initiatives with the aim of facilitating and triggering market expansion, enabling scale and fostering innovation. In turn lowering the barriers to widespread adoption of technologies such as mobile broadband and enabling new emerging solutions such as embedded mobile to gain a sure foothold. Having acquired a degree in Electrical and Electronic Engineering from Birmingham University, Peter moved swiftly into the commercial world where he led marketing and business development activities at Marconi, Symbian and then Nokia before arriving at the GSMA. For more information, please visit: www.**GSMworld**.com

Tom Rebbeck, Analysys Mason

Tom is the Research Director at Analysys Mason, and has responsibility for the definition, delivery and management of its consumer telecoms research activities. Prior to returning to Analysys Mason, Tom was a Global Project Manager for Telefónica where he was involved in the launch of a number of mobile content services and applications across the Telefónica footprint. Before this, he was Principal Analyst for Analysys Mason, and worked on numerous client projects. For more information, please visit www.**AnalysysMason**.com

Iain Stanbridge, EE

As Principal Network Architect in EE's Network Strategy team, Iain is accountable for the evolution of EE's radio access network and spectrum strategy. Iain has been heavily involved in EE's 4G network plans and the 2013 spectrum auctions. He works closely with stakeholders in EE's operation and partners in the mobile ecosystem to develop new opportunities for the mobile network. Iain has held a number of Design, Architecture and Strategy roles in Orange UK and France Telecom Group, spanning radio and core networks. Prior to joining Orange, Iain worked for Siemens Research at Roke Manor. He has an MEng in Electrical and Electronic Engineering from the University of Birmingham and an MSc in Strategic Management from the University of Bristol. For more information, please visit www.**ee**.co.uk

Milan Bavisi, MBB Solution Manager, **Nokia**

Milan Bavisi is a Wireless Access Solution Manager with Nokia UK. Milan joined Nokia in 2006 and has held positions in the Network Planning Consultancy group before moving to his current role. In the UK, Milan has worked with organizations such as MBNL, Telefonica and 3UK and is now responsible for mobile broadband solutions with a key UK operator delivering 3G and 4G services. Prior to Nokia, Milan has held roles with GEC Marconi Communications, Mobile Systems International and Siemens ranging from Design and Development to Radio Planning and Optimisation Consultancy. Milan has a MEng in Electronic and Electrical Engineering from the University of Bath. For more information, please visit www.**nokia**.com

Edward Ellis, Senior Corporate Strategy Manager, **EE**

Ed Ellis is Senior Corporate Strategy Manager at EE, responsible for driving strategic initiatives across all business segments. His current areas of interesting include the future role of data analytics, as well as how business models and technology need to evolve over time to meet the demands of an increasingly mobile-centric world. Prior to his role in Corporate Strategy, Ed worked in the Network Strategy team where he was responsible for driving technical initiatives and demand forecasting. Ed drew on insight from all areas of the business and industry to build a comprehensive picture on mobile data demand for T-Mobile, Orange and EE. In addition to this, Ed has published long-term forecasts for the UK market as a whole. Prior to his role within Network Strategy at EE, Ed worked as a designer within Core Networks, responsible for capacity planning and forecasting for T-Mobile. Ed has a Masters in Electronic Engineering and Business Management from UCL. For more information, please visit www.**ee**.co.uk

Niko Louvranos, Business Development Manager - Telecoms, **Arqiva**

Niko Louvranos has spent over 14 years working at the leading edge of the wireless comms industry in various technical and commercial roles for leading handset vendors, LTE test equipment manufacturers, and network operators. At Motorola Mobile devices, he led the launch of Motorola's first 3G handset with the world's first commercial 3G network (3-UK), and led the first Fixed Mobile Convergence (UMA) initiative in Europe with France Telecom/Orange and BT. At Telefonica Digital, he developed an M2M Marketplace concept, and was part of the Smart Metering bid team. Currently at Arqiva, he is heading up business development efforts for Wholesale WiFi and Small cells with MNOs/FNOs and internet players. Niko holds an MBA from London Business School, and is a Chartered Engineer (CEng) with the IET. For more information, please visit www.**arqiva**.com

Sami Susiaho, Head of Edge Technologies, The Cloud Networks, **BSkyB**

Sami Susiaho has worked for European blue chip MNOs and ISPs for the last 15 years. During the last few years, at BSkyB as the Head of Edge Technologies of the Cloud business unit, focusing on WiFi R&D and helping the business to build one of the most advanced WiFi hotspot networks in the world. He researches technologies used on the edge of the network; last mile connections, wireless and wired technologies. Sami runs the Wi-Fi test lab, sits on various industry workgroups and contributes in numerous efforts towards the best possible user experience on WiFi. For more information, please visit www.**corporate.sky**.com