Virtual Networks SIG
Virtual Networks in 5G - Opportunities or Hype?'
8th February 2017
Hosted and Supported by BT and Innovation Martlesham

*This SIG is championed by **Phillip Bridge of EE, Mark England of Cambridge Consultants, Justin Paul of Amdocs and Dirk Trossen of InterDigital***

Venue – John Bray Lecture Theatre, Adastral Park, Martlesham Heath, Ipswich, IP5 3RE

AGENDA

12:30   Registration & networking over lunch

13:30   Introduction to the CW Virtual Networks SIG from **Dirk Trossen** of **InterDigital**

13:40   Welcome from **BT** and **Innovation Martlesham**

Session chaired by Dirk Trossen of InterDigital

13:50   **'Using AI to Drive 5G Network Slicing'**

Jay Perrett, Founder and CTO, **Aria Networks**

5G offers the ability to create dedicated network slices. But how will operators determine how and when slices get created? Jay Perrett will share experiences of applying Artificial Intelligence techniques within collaborative ecosystems to determine when, whether and what form of network slicing makes business sense.

14:10   Q&A

Session chaired by Philip Bridge of EE

14:15   **'Network Slicing in 5G'**

Andy Corston-Petrie, Principal Researcher, Converged Networks Lab, **BT**

Andy will be exploring the drivers, principles, uses and challenges of Network Slicing. He will also look at the potential for creating new business opportunities, and operating networks more efficiently.

14:35   Q&A

14:40   **'The "Cloudified" 5G Network'**

Julian Ramos, Telco Solutions Architect, **Intel Corporation**

5G is a key enabler of the digital economy, targeting to address the needs and requirements of many different verticals and use cases. As such, the 5G Network needs to be a jack of all trades, flexible and adaptable, much like the cloud is today. Virtualization is a technology that brings the two worlds together but, is it enough? Join this session to discuss what are the key similarities and differences between the Traditional Cloud and the Telco Cloud, and what is required, in addition to virtualization, to make the 5G Telco Network truly "Cloudified".

15:00   Q&A

15:05   **Refreshments & Networking**

Session chaired by Mark England of Cambridge Consultants

15:35   **"Building the Virtualised 5G Network End 2 End'**
Stewart Lacey, 5G Driver for Ericsson in Western & Central Europe, **Ericsson**
What does a virtualised 5G network look like and what are the steps to get there? What are the end to end implications of Virtualisation and the transformational benefits that it will bring?

15:55   Q&A

16:00   Panel Session with All Speakers, chaired by **Dirk Trossen** of **InterDigital**

16:40   **Event Closes**

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 & 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

BT

www.**BT**.com

Strategic Partner

Innovation Martlesham

Innovation Martlesham is an established cluster of high-tech ICT companies located at Adastral Park. Besides being home to a diverse range of large, medium and small companies, Innovation Martlesham is a 'collaborative ecosystem' for technology companies. It provides physical and virtual office accommodation to support the demand from businesses and hosts networking opportunities and events, has a Business Support Function and a Mentor Group and an ICT Business Incubator and Accelerator. For more information, please visit www.**innovationmartlesham**.com

Profiles of SIG Champions

Philip Bridge, EE

Phil Bridge has spent over three decades in the telecommunications and networking industries. He has worked in research labs, academia, start-ups, equipment vendors and service providers, in the UK and Switzerland, in technical, marketing and management roles. From 2002 he worked at Orange as a network designer and architect, and continues that role at EE since it was formed from the merger of Orange UK and T-Mobile UK. Currently he is concerned with the technical strategy for mobile data in general, and the evolution of the architecture of the mobile data core network in particular. For more information please visit www.**ee**.co.uk

Justin Paul, Amdocs

Justin Paul is in charge of the OSS and NFV Marketing team at Amdocs, based in Bath, UK. He has worked in telecommunications for 20 years in product marketing and product management roles for leading telecommunication companies specializing in bringing new technologies to market. In Amdocs he is responsible for marketing Amdocs' evolution of OSS to address new technology areas such as Internet-of-Things, HetNets, NFV and SDN. He is also responsible for marketing Amdocs' NFV solutions and has overseen a series of major product launches in this area. He is an experienced conference speaker and panelist – speaking at LTE Asia, SCTE, and OSS in the era of NFV/SDN in the past year. As an Amdocs spokesperson he regularly briefs the press and analysts and has been widely quoted. Prior to joining Amdocs, he worked as an independent consultant to the Scottish Government; Airwave, the UK Public Safety Network Operator (TETRA) as Head of Product Marketing; Alcatel-Lucent as Head of Segment Marketing and Nokia as System Marketing Manager for the early GPRS and 3G data networks. For more information please visit www.**amdocs**.com

Mark England, 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 wide range of clients. For more information please visit www.**cambridgeconsultants**.com

Dirk Trossen, InterDigital UK

Dirk Trossen has more than 15 years of experience in network architectures, wireless technology, and context-aware services. He has led numerous research projects in his corporate positions as well as in international collaborations with world-leading universities and institutions like MIT, Cambridge University, GeorgiaTech and Columbia University. Prior to joining InterDigital as a Principal Engineer, Dirk held a position as Senior Researcher at the Computer Laboratory of the University of Cambridge. He also held prior positions as Chief Researcher with BT Research and as Principal Scientist with Nokia Research. He is a research affiliate with the Advanced Network Architecture group at MIT CSAIL and one of the co-founders of TecVis LP. For more information please visit www.**interDigita**l.com

Profiles of Speakers

Andy Corston-Petrie, BT

Andy Corston-Petrie is a Principal Researcher in the Converged Networks Research Lab, which is part of BT Research & Innovation. His main areas of research include the evolution of core network architectures & services, 5G and network slicing. **F**or further information please visit: www.**btplc**.com

Jay Perrett, Aria Networks

Founder and CTO of Aria Networks, Jay has spent over 25 years developing evolutionary computing and Artificial Intelligence in academia and industry. He has spent many years working in the telecoms market (Bell-Labs, Lucent, Movaz, and Redback) and in the Life Sciences and Pharmaceutical markets.

For further information please visit: www.**aria-networks**.com

Julian Ramos, Intel Corporations

Julian has a Superior Degree in Telecommunications Engineering from the Polytechnic University of Catalonia, specializing in Telematics, where he graduated with honors in 1999. He moved then to the UK and has over 17 years of professional experience in the wireless industry, which spans from software and firmware engineering to product marketing/management and pre-sales. Julian is now a Solutions Architect at Intel, focusing on new emerging technologies like 5G, Mobile Edge Computing, Network Function Virtualization and Software Defined Networking that will transform how wireless networks are built. For further information please visit: www.**intel**.co.uk

Stewart Lacey, Ericsson

Stewart has been with Ericsson for over 28 years in various customer facing technology leadership roles and is currently focussed on securing regional readiness for 5G in both Ericsson and its customers. For further information please visit www.**ericsson**.com