Wireless World Research Forum (WWRF)

Working Group – Cybersecurity

Workshop Cybersecurity in 5G/6G Beyond

Date – 1st April 2022

Time – 09:00 – 12:00 (CET)

- **Welcome** - Dr Nigel Jefferies, WWRF Chair **~ 10 – 15 mins**

- **Introduction** - Samant Khajuria, Working Group Cybersecurity Chair **~ 10 – 15 mins**

- **Presentation 1** - **"Towards sustainable 6G".** *Dr. Marja Matinmikko-Blue; Research Director at Infotech Oulu Institute. Director of Sustainability and Regulation at 6G Flagship.* **~ 40 mins**

- **Presentation 2** – **"Where is cybersecurity developing towards – a view on recent trends in the standardization of cybersecurity"** - *Scott Cadzow; Director, Cadzow Communications Consulting* **~ 40 mins**

- **Presentation 3** - **Security Standardization in 3GPP** - *Noamen Ben Henda; Security Standardization Expert, Huawei Technologies* **~ 40 mins**

- **Discussion ~ 30 mins**

- **Closing Remarks ~ 5 mins**

Meeting Link -

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Marja Matinmikko-Blue, Research Director, University of Oulu, Finland

Marja Matinmikko-Blue is Research Director of the Infotech Oulu Institute and Director of Sustainability & Regulation at 6G Flagship at the University of Oulu, Finland, where she also holds an Adjunct Professor position in spectrum management.

Marja completed her Doctor of Science degree in communications engineering in 2012, and Doctor of Philosophy degree in management sciences in 2018 at the University of Oulu. She has been conducting multi-disciplinary research into the technical, business, and regulatory aspects of future mobile communication systems in close collaboration with industry, academia, and regulators for over two decades. Marja has coordinated several national research project consortia that have successfully demonstrated new technology including the world's first licensed shared access (LSA) spectrum sharing trials and the introduction of a new local 5G operator concept, which has become a reality in many countries. She has actively contributed to, and participated in, regulatory bodies at the national, European, and international levels. She also coordinated the preparation of twelve 6G White Papers at the 6G Flagship (the first White Papers on 6G in the world) and led the development of the White Paper on 6G Drivers and the UN Sustainable Development Goals.

Scott Cadzow; Director, Cadzow Communications Consulting

Scott Cadzow has over the past 25 or more years become a recognized standards development expert, primarily for security standards, in a number of international standards development organizations including ETSI, ITU-T and ISO. In ETSI Scott is the chair of the ITS Security group, vice chair of the eHEALTH group, and also vice-chair of the ETI group. In addition he has been the rapporteur for the TETRA security specifications, the suite of guidance documents for effective

security standards development (covering Common Criteria, risk analysis, and security requirements engineering) in technical bodies MTS and TISPAN, and has acted as an expert to a number of Specialist Task Forces in RRS, TETRA, TISPAN, HF, MTS, eHEALTH and AT-D. He has served as chairman of the ETSI ITS Security group and as vice-chairman of each of ETSI Project TETRA WG6 (Security), TETRA Security and Fraud Prevention Group (SFPG), and of the ETSI Lawful Interception group. Scott has contributed to reports from ENISA on network resilience, supply chain integrity and on measures to counter internet bullying. More recently Scott has been involved in a number of projects under the FP7/CIP/H2020 umbrella looking at security and privacy aspects of smart cities. This has led Scott to take a wider view at the whole interoperability conundrum and to address the need to look more deeply at the problems we will face with the IoT and dynamic self-configuring equipment. Scott is a founding member of the proposed ETSI ISG on Secure AI and has published a number of papers since 2016 on the identification of machine ethics for autonomous machines and has been a regular speaker at conferences on topics relating to security, machine ethics, privacy and society.
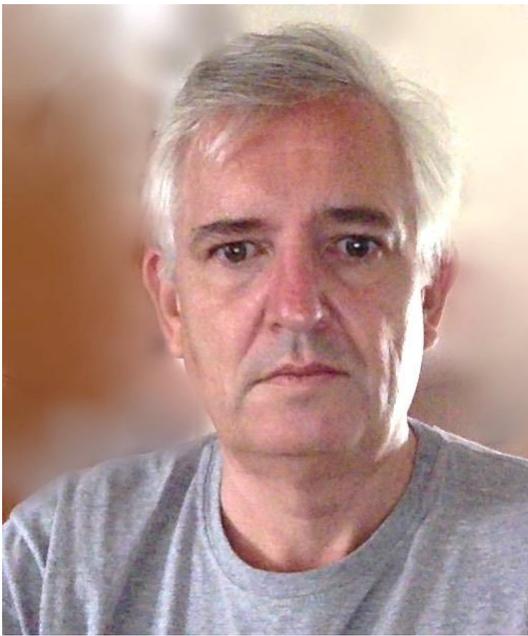
Noamen Ben Henda; Security Standardization Expert, Huawei Technologies

Noamen Ben Henda is currently a Security Standardization Expert in Huawei. His main focus is to represent and lead Huawei's security team activities and related research within the security working group of 3GPP, namely SA3. In 3GPP, Noamen Ben Henda was elected for the position of SA3 chair in 2019 and held it until 2021. During his time as a chair, Noamen was also a member in the Panel of Experts of the GSMA CVD program. Before joining Huawei, Noamen was a Master Security Researcher in Ericsson. There he assumed the role of Ericsson technical coordinator and head of delegation in SA3. During his time as a researcher, Noamen's main interest was in software security. More specifically, he has been driving research activities related to the formal verification of security protocols. During his time as an SA3 delegate, he has been contributing to several studies and technical specifications. Notably, Noamen has been heavily involved in the development of the 5G security standards. Noamen holds a Master of Science degree in Information Technology in 2002 and a Ph.D. in theoretical computer science in 2008 from Uppsala University in Sweden.