

**CW Talks**  
**'Let's have no more Gees!'**  
22<sup>nd</sup> June 2021

The **CW Talks** are curated by Robert Driver, Head of **UK5G**, John Haine, Visiting Professor at **Bristol University** and William Webb, CEO of **Webb Search**.

**This is an online event**

**AGENDA**

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|--------------|--|
| <b>14:00</b> | Introduction to <b>CW Talks</b> and welcome from <b>William Webb, CW Talks curator &amp; CEO, Webb Search</b>                      |
| <b>14:10</b> | <b>Session to be chaired by William Webb, CW Talks curator</b><br><b>Team A - Stephen Howard, Partner, Communications Chambers</b> |
| <b>14:25</b> | <b>Team A - Phil Sheppard, Director &amp; Principal Consultant, Clear Technology</b>   |
| <b>14:40</b> | <b>Team B - Rahim Tafazolli, Regius Professor of Electronic Engineering, University of Surrey</b>                                  |
| <b>14:55</b> | <b>Team B - Adrian Scrase, CTO, ETSI</b>   |
| <b>15:10</b> | <b>Open forum</b>  |
| <b>15:40</b> | <b>Wrap-up by William Webb, CW Talks curator</b>   |
| <b>15:45</b> | <b>Event closes</b>  |

**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. [www.cambridgewireless.co.uk](http://www.cambridgewireless.co.uk)

**Profile of sponsor****UK5G**

UK5G is the national innovation network dedicated to the promotion of research, collaboration and the commercial application of 5G in the UK. It is a 'network of networks' designed to encourage coordination between all organisations working on 5G activities across the UK. It enhances links between the public sector, academic research, development activities undertaken by organisations across telecoms and vertical sectors, and the UK Government's 5G Testbeds and Trials Programme. UK5G is independent and impartial. Its senior national advisory board advises the Government's 5G Testbeds and Trials Programme, providing expert feedback from industry, identifying priorities and advising on future areas of focus. UK5G is a focal point for international engagement into the UK's 5G ecosystem, encouraging international participation and investment. [www.uk5g.org](http://www.uk5g.org)

## Profile of CW Talks curators

### **Robert Driver, UK5G**

Bob leads the UK5G programme. CW is the lead partner for a consortium chosen by the Department of Digital, Culture Media and Sport, to create and deliver the national 5G Innovation Network called UK5G. UK5G brings together and markets the UK's 5G eco-system - including the national Testbed & Trials programme along with other business-led 5G initiatives. See [www.UK5G.org](http://www.UK5G.org) for more information. Bob was CEO of CW from May 2015 to November 2018 focussing on leading the development of the organisation, broadening its reach with other sectors and clusters, while retaining the unique culture and dynamism of the CW community. Bob was appointed to the CW Board in November 2017. Bob is also on the editorial panel for the [CW Journal](#), a quarterly publication providing thought leadership within the wider CW technology community. Prior to working at CW, Bob was Director for Technology at UK Trade & Investment (now part of the [Department for International Trade](#)) where he successfully led national teams helping UK tech companies to access overseas opportunities as well as attracting technology inward investment into the UK. He also coordinated the UKTI science and innovation agenda and was responsible for the delivery of UKTI events from small missions to large trade fairs. [www.uk5g.org](http://www.uk5g.org)

### **Professor John Haine, Royal Academy of Engineering Visiting Professor at Bristol University**

John Haine has spent his career in the electronics and communications industry, working for large corporations and with four Cambridge start-ups. His technical background includes R&D in radio circuitry and microwave circuit theory; and the design of novel radio systems for cordless telephony, mobile data, fixed wireless access and IoT communications. He has led standardisation activities in mobile data and FWA in ETSI and contributed to WiMax in IEEE. At various times he has been involved in and led fund-raising and M&A activities. In 1999 he joined TTP Communications working on research, technology strategy and M&A; and after the company's acquisition by Motorola became Director of Technology Strategy in Motorola Mobile Devices. After leaving Motorola he was CTO Enterprise Systems with ip.access, a manufacturer of GSM picocells and 3G femtocells. In early 2010 he joined Cognovo, which was acquired by u-blox AG in 2012. He led u-blox's involvement in 3GPP NB-IoT standardisation and the company's initial development of the first modules for trials and demonstrations. Now retired from u-blox he is a Visiting Professor in Electronic and Electrical Engineering at Bristol University, where he chairs the Centre for Doctoral Training in Communications. He was founder chair and is Board Member Emeritus of the IoT Security Foundation. John has a first degree from Birmingham (1971) and a PhD from Leeds (1977) universities and is a Life Member of the IEEE. [www.bristol.ac.uk](http://www.bristol.ac.uk)

### **Professor William Webb, Webb Search**

William is an independent consultant at Webb Search and CEO of the Weightless SIG, a body standardizing a new M2M technology. He was one of the founding directors of Neul, a company developing machine-to-machine technologies and networks, which was formed at the start of 2011 and subsequently sold to Huawei. Prior to this William was a Director at Ofcom where he managed a team providing technical advice and performing research. He has worked for a range of communications consultancies and spent three years providing strategic management across Motorola's entire communications portfolio, based in Chicago. He was IET President 2014-2015. William has published 16 books, 100 papers, and 18 patents. He is a Visiting Professor at Southampton University, a Fellow of the Royal Academy of Engineering, the IEEE and the IET. He has been awarded multiple honorary doctorates by the UK's leading universities. [www.webbsearch.co.uk](http://www.webbsearch.co.uk)

## Profile of speakers

### **Stephen Howard, Communications Chambers**

Stephen joined Communications Chambers in 2021 to provide analysis of strategic and regulatory issues for clients active in the telecoms, media and technology sectors. Prior to this he was Global Head of TMT research at HSBC, where he had worked since 1996. Under his leadership, the European telecoms team there was ranked number 1 for an unprecedented ten consecutive years in the Extel survey (now rebranded as Institutional Investor). He has input into a wide range of organisations, including 10 Downing Street, Cabinet Office, UK Treasury, DCMS, European Commission, European Parliament, DG CONNECT, DG COMPETITION, GSMA Mobile World Congress, ETNO, ECTA, Ofcom, BNetzA, AGCOM and ACM. Stephen also sat on the UK Government's Future Communications Challenge Group 5G Committee. [www.commcham.com](http://www.commcham.com)

### **Adrian Scrase, ETSI**

Adrian Scrase played a central role in the creation of the “3<sup>rd</sup> Generation Partnership Project” (3GPP) and is responsible for the operations of the 3GPP Project Co-ordination Group. He heads 3GPPs’ Mobile Competence Centre (MCC) which is an International team of 20 experts who provide comprehensive support to the Project. He was also principally involved in the formation of the “oneM2M” Partnership Project and oversees ETSI’s support to that initiative. He is CTO within ETSI with operational responsibility for all of ETSI’s standards production activities. He has more than 40 years experience in the telecommunications field, which includes 34 years of experience in standardization. [www.etsi.org](http://www.etsi.org)

### **Phil Sheppard, Clear Technology**

Phil Sheppard is Director and Principal Consultant at Clear Technology Consulting Limited. He has extensive experience of end-to-end telecoms technology and leadership. Phil was accountable for technology strategy & architecture at Three UK and led the definition of network transformation for 5G. He was responsible for Three’s 4G technology launch and helped launch the UK’s first 3G network. His role at Three also included sourcing technology and vendors, cost economics, commercial opportunities and he was alternate board director at DMSL (MNO JV). Before joining Three Phil worked at BT Labs on a wide range of R&D projects.

[www.cleartechnology.co.uk](http://www.cleartechnology.co.uk)

### **Rahim Tafazolli, University of Surrey**

Rahim Tafazolli, Regius Professor of Electronic Engineering. This royal recognition was awarded to mark the Queen’s Diamond Jubilee. Rahim Tafazolli has been a Professor of Mobile and Satellite Communications at the University of Surrey since April 2000, the Director of Institute of Communication Systems (ICS) since January 2010 and the founder and Director of the 5G Innovation Centre since 2012. The world’s first dedicated centre on 5G research and innovation. He has over 30 years of experience in digital communications research and teaching. He has authored and co-authored more than 500 research publications and is regularly invited to deliver keynote talks and distinguished lectures to international conferences and workshops. Professor Tafazolli was the leader of study on “grand challenges in IoT” (Internet of Things) in the UK, 2011-2012, for RCUK (Research Council UK) and the UK TSB (Technology Strategy Board). He is regularly invited by governments to advise on national 5G research and strategy and was advisor to the Mayor of London with regard to the London Infrastructure Investment 2050 Plan. In 2011, he was appointed as a Fellow of the Wireless World Research Forum (WWRF) in recognition of his personal contributions to the wireless world as well as heading one of Europe’s leading research groups. He was also awarded the 28th KIA Laureate Award- 2015 for his contribution to communications technology. [www.surrey.ac.uk](http://www.surrey.ac.uk)