

The Smart & Intelligent Cities SIG 'Exploring the latest trends in Smart City evolution'

20th July 2023

The **Smart & Intelligent Cities SIG** is championed by Dejan Bojic of **Department of Science, Innovation and Technology (DSIT)**, David Brown of **Futurehand**, Mary-Ann Claridge of **Mandrel Systems**, Dan Clarke of **Greater Cambridge Partnership**, Paul Copping of **Fawley Waterside** and John Davies of **U4SSC** and **Strategy 4 Technology**

Venue: The Bradfield Centre, 184 Cambridge Science Park, Milton Road, Cambridge, CB4 0GA

AGENDA

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| 13:30 | Registration and networking |
| 14:00 | CW welcome by Paul Copping, SIG Champion and CTO, Fawley Waterside |
| 14:05 | Introduction to the Smart & Intelligent Cities SIG and today's topic by Paul Copping, SIG Champion and CTO, Fawley Waterside |
| 14:15 | Session to be chaired by Paul Copping, SIG Champion and CTO, Fawley Waterside
'Smart Cities - the big picture'
Dr Michael Short CBE, Chief Architect, Satellite Applications Catapult |
| 14:35 | Q & A |
| 14:40 | 'Connected cars: Getting ahead of the fast and furious flood of data'
Priya Kurien, Telco Leader, IBM Institute of Business Value
As modern vehicles become increasingly connected and autonomous, telecom network coverage and data reliability are critical with safety and convenience on the line. What are the requirements of Smart city planners to support this? In this IBM Institute of Business Value Expert Insights co-sponsored by GSMA Intelligence, leaders from Jaguar Land Rover UK, China Mobile, and IBM explore three keys to advance a connected car future. |
| 15:00 | Q & A |
| 15:05 | Refreshment break and networking |
| 15:35 | Session to be chaired by Dejan Bojic, SIG Champion and Head of Technical Design Authority, Future Network Programmes, Department of Science, Innovation and Technology (DSIT)
'Smart Cities in the age of AI'
Laurence Oakes-Ash, CEO, City Science |
| 15:55 | Q & A |
| 16:00 | 'Procurement guidelines for Smart Sustainable Cities'
John Davies, Thematic Group Co-Leader, U4SSC and Director, Strategy 4 Technology |
| 16:20 | Q & A |
| 16:25 | Panel session chaired by SIG Champion |
| 16:55 | Wrap-up |
| 17:00 | End of session followed by networking, refreshments and CW member BBQ |

With the permission of the speakers, presentations will be loaded to the CW website 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 20 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

Profile of Smart & Intelligent Cities SIG Champions

Dejan Bojic, Future Network Programmes, Department of Science, Innovation and Technology (DSIT)

Dejan is a senior consultant who has advised a range of clients across both public and private sectors. His particular focus is development of open and shared connectivity and data infrastructure to support product development and service transformation within complex innovation ecosystems. Dejan's currently employed by the UK government's Department for Science, Innovation and Technology (DSIT) where he leads the technology advisory team within Future Networks Programme. Prior to this role he has successfully delivered Digital Connectivity Infrastructure Accelerator (DCIA) programme for DSIT/DCMS. A firm believer in creating value through collaboration between public and private sectors and across technology layers, Dejan's aspiration as a SIG Champion is to shine a spotlight on market innovation opportunities through CW's uniquely rich network of experts and influencers. www.gov.uk/government/organisations/department-for-science-innovation-and-technology

David Brown, Futurehand

David has spent the past 15 years helping start-up/scale-up companies in the UK building successful Customer Service, Customer Success, and Professional Services teams. He has done this mainly as a player/coach; initially working with customers himself and only building teams once he's gained a clear understanding of what's needed to support the company's unique customer base. In 2015, he used the knowledge gained from years of working in web analytics to found Adavow, an ad suppression platform that enables advertisers and ad networks to stop serving digital ads to consumers who have recently purchased a similar item, which increases digital budget efficiency by 10% or more. David is a keen believer that the best way to become successful is to help others become successful and "What comes around, goes around." www.futurehand.co.uk

Mary-Ann Claridge, Mandrel Systems

Mary-Ann is the Lead data scientist at Mandrel Systems. She started her career with research into sonar (think Hunt for Red October without Sean Connery). She is now embracing application and technical domains including education (all the analysis, modelling and visualisation for BestCourse4Me), smart city, retail, voice and speech recognition, and financial and logistical optimisation. www.mandrel.com

Dan Clarke, Greater Cambridge Partnership

Dan leads the Smart Cambridge Programme which was set up to explore how data, innovative technology and better connectivity can be used to transform the way people live, work and travel in the Greater Cambridge area and beyond. Local councils, technology businesses, university researchers and partner organisations are working together to find smart ways to tackle city challenges, such as transport and air quality. www.greatercambridge.org.uk

Paul Copping, Fawley Waterside

Paul Copping has had a career spanning software telecoms, transport and smart cities. He is currently Chief Technology Officer at Fawley Waterside, a new-build "intelligent merchant city" on the Solent waterfront and backing on to the New Forest National Park. With 1500 homes and a large commercial and Innovation campus, this development has the opportunity to implement best practice in every phase of its design, build an operations. www.fawleywaterside.co.uk

John Davies, U4SSC and Strategy 4 Technology

John has carried out a unique mix of strategic and operational roles with placements in the USA and Europe and partnerships in Asia. Over recent years much of his private sector and Government activities has been in the area of mobile and wireless communications, digital media, Smart Cities, Cloud and Big Data and M2M/IoT as well as emerging and disruptive technologies. Helping technology start-ups in the UK and internationally sourcing technology and partners as well as provide due diligence in areas of M&A and stock listings. Operating as a UK Government Advisor John has briefed both UK and International Government Ministers and Departments on Smart Cities and respective technologies and applications. This has included providing international workshops, mentoring and consulting at senior levels. John has designed and ran awareness and implementation workshops for international companies and led international delegations to overseas markets, the most recent to Singapore and Malaysia in partnership with InnovateUK. John is an active member of the All-Party Parliamentary Group for Smart

Cities. John will be engaging with potential new international companies and organisations and supporting CW member companies. www.u4ssc.itu.int

Profile of speakers

John Davies, U4SSC and Strategy 4 Technology

See above

Priya Kurien, IBM Institute of Business Value

Priya leads the telecom research area for the IBM Institute for Business Value. She is a telecommunication engineer by training and has worked with over a dozen telecom providers across four continents. She brings her deep and broad understanding of the telecom value chain, partnerships, competition, regulation, automation, and advanced technologies to help clients understand the business value of technology. Priya has special interests in 5G enterprise commercialization and is a member of the AI Expert Working Group for UKTIN and the GSMA IoT Forum. www.ibm.com

Laurence Oakes-Ash, City Science

Loves cities, transport networks, energy data, mathematics, science and the potential for digital twins to help us decarbonise. Fellow of the Chartered Institute of Management Accountants and Member of Chartered Institute of Highways and Transportation. www.cityscience.com

Dr Mike Short CBE, Satellite Applications Catapult

Dr Mike Short CBE, after 30 years in telecommunications with Cellnet / BT / O2 and Telefonica, joined the Department for International Trade (DIT) in December 2017 as the Department's first Chief Scientific Adviser (now called Dept of Business and Trade). Since March 2023 he has been pursuing a portfolio career around innovation and research largely in telecommunications including as Chief Architect at the Satellite Applications Catapult and Distinguished Visitor at NPL. Mike led the Science and Engineering profession and advised DIT on science, engineering and technology. He supported DIT on the technical aspects of trade, inward investment and international engineering collaboration, and worked with the UK's research, innovation and academic communities to boost technology and engineering exports. He also represented DIT on many cross HMG committees such as Telecoms, Space, Health and Quantum, and on overseas delegations such as Mobile World Congress 2023 , CES and Web Summit 2022. He was an active member of GoScience CSA activities and a Board member on Innovate UK for 4 years to Q1 2023.

Mike has 4 decades of experience in electronics and telecommunications. This included a role as Vice President of Telefonica, the parent company of the O2 mobile phone network to the end of 2016. Since 1987, he has managed the launch of 2G (GSM) and 3G mobile technologies in the UK, helped win mobile licenses overseas, established an EU office in Brussels, and later led international research (including 4G / 5G), innovation and standards for Telefonica Europe. He also was the lead contact with the UK / EU Research programmes and International Standards, and managed the engagement with UK Universities. During this period he ran trials for Mobile TV, Smart metering , Driverless cars, and IoT.

He has also led the development and collaboration in areas such as Digital health, IoT, and cybersecurity including active participation in PETRAS and iSense multi year programmes linked to key Universities. His career includes the promotion of international technical standards in mobile and digital technology. He is a former Chairman of the Global GSM Association, the UK Mobile Data Association, and was President of the Institution of Engineering and Technology in 2011/2012. Amongst other Board roles he has sat on the Boards of ETSI , Tech UK , Innovate UK, UK 5G and UK Telecomms Innovation Network Advisory Board. He is currently a Visiting Professor at the Universities of Surrey and Strathclyde. He holds honorary doctorates from Brunel and Warwick Universities amongst others, and was honoured with a CBE in 2012 for his services to the mobile industry. www.sa.catapult.org.uk