



<http://www.sdieee.org/cgi-bin/WebObjects/ieee.woa/wo/82.0.3.5.1.3.1> Latest working program
<http://www.5gsummit.org/sandiego/>
<https://events.vtools.ieee.org/m/191195>,
<https://www.meetup.com/San-Diego-IEEE-Meetup/events/258638250/>

Keynote 1: Mansoor Hanif, CTO of Ofcom, UK
<https://www.linkedin.com/in/mansoor-hanif-490956/>

Title: *Ofcom Priorities for UK Regulation: Universality, Fairness, Reliability and the role of Innovation*

Mansoor has 25 years' experience of planning, building, optimising and operating mobile networks around the world. From 2011 Mansoor was Director of RAN at EE and a board member of MBNL (the joint venture of EE with H3G) until 2016. At BT Mansoor was Director of the Converged Networks Research Lab from 2016 to 2018, and led collaboration with UK Universities, innovators, and government bodies.

From September 2018 Mansoor is the CTO of Ofcom, the UK telecoms and media regulator. As CTO he is head of the technology profession across the organisation, ensuring that the technology aspects of all Ofcom's policy work are informed and robust, and is a member of the Policy and Management Board (the decision-making body at executive level). He also leads Ofcom's activities in network security & resilience as well as engagement with CTOs at our stakeholders, industry bodies and with Government. Outside of Ofcom, Mansoor is also a member of the Advisory Boards of the UK5G Innovation Network, the Satellite Applications Catapult and UCL Electrical and Electronic Engineering Dept and is Patron of the Institute of Telecoms Professionals.



Keynote2:

**Caroline Y. Chan, Vice President, Data Center Group
Intel Corporation, General Manager, Network Business Incubator Division**
<https://www.linkedin.com/in/caroline-chan-8773161/>

Title: 5G Accelerating Enterprise Digital Transformation

Caroline Y. Chan is vice president in the Data Center Group and general manager of the group's Network Business Incubator Division at Intel Corporation. She has overall responsibility for Intel's global network infrastructure strategy and solution development related to 5th-generation wireless technology. Chan and her team identify and develop use cases that incorporate the Internet of Things, innovation in wireless technologies and deployment models, such as mobile edge computing and alternative spectrums that will enable new service providers and enterprise networks.

Since joining Intel in 2009, Chan has worked closely with telecommunications vendors, operators and application developers to advance strategy and marketing in virtual RAN, mini Cloud-RAN and mobile edge computing technologies. Before leading the 5G infrastructure division, she spent six years as director of wireless technology and strategy. In that position, Chan oversaw server CPU extension into Intel's wireless infrastructure business, a role that encompassed investment strategy, CPU adoption and modification, marketing, and business development. Earlier in her Intel career, she led strategy and business development for the WiMAX program office.

Before joining Intel, Chan had a 15-year career at Nortel Networks Corp., culminating in her role as director of 4G wireless product management.

Chan holds bachelors and master's degrees in electrical engineering from the University of Texas at Austin and the University of Massachusetts Amherst, respectively. She serves on the board of the Telecom Infrastructure Project and the xRAN organization. Her contributions in the area of virtualized wireless radio access networks earned Chan an Intel Achievement Award in 2016.



Keynote3:

Durga Malladi, Senior Vice President, GM, 4G/5G

Qualcomm Technologies, Inc.

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Title: 5G: From Concept to Commercialization, and What's Next

Durga Malladi is Senior Vice President and General Manager, 4G/5G in Qualcomm Technologies, Inc.

Durga joined Qualcomm in 1998 as a Senior Engineer. Over the past 20 years, he has worked on 3G and 4G technologies, and was the Project Engineer of 4G LTE-Advanced in Qualcomm Research from 2008-15, responsible for features such as mobile broadband, Carrier Aggregation, HetNets, Relays, Dual Connectivity, Licensed Assisted Access (LAA), Internet of Things (eMTC, NB-IoT) and Cellular V2X.

From 2015-18, he oversaw the 5G and Wi-Fi Wireless R&D projects, spanning Sub6 and Millimeter Wave bands, with applications in enhanced Mobile Broadband (eMBB), Integrated Access and Backhaul systems, Unlicensed / Shared Spectrum Access, Massive IoT (mIoT), Ultra Reliable Low Latency Communications (URLLC), Industrial IoT, 5G based Vehicular Communications (C-V2X) and evolution of Wi-Fi beyond 802.11ax. The responsibilities spanned system design, standardization, prototype testbeds, pre-commercial vendor inter-operability tests and trials.

As SVP & GM 4G/5G, he is responsible for cellular modem and location businesses, baseband and transceiver modem technology roadmap, features, software products, and infrastructure and operator commercial engagements. He drives the overall 5G roadmap and solutions across business units, spanning Mobile, Industrial, Enterprise and Automotive segments.

He is the recipient of Qualcomm's IP Excellence Award, Qualcomm Distinguished Contributor Award for Project Leadership and Upendra Patel Achievement Awards for Outstanding Contributions to HSPA and LTE.

Durga holds a B.Tech from Indian Institute of Technology, Madras, and an M.S and Ph.D. from UCLA. His research interests include Signal Processing, Communication Theory and Artificial Intelligence. He is a member of IEEE and holds 440 U.S. patents.

