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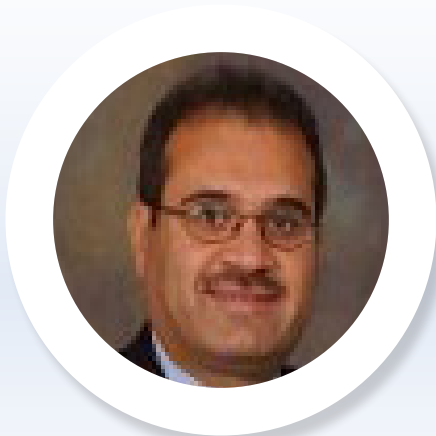
5G The Next Frontier in Wireless Communications

5G is much more than just evolution of the mobile technology. It will empower new functionalities for people, society and enterprise. 5G is expected to provide fibre like data rate with massive system capacity, and ultra-reliable and extreme real-time communications. These are vital in the advancements of many new applications including the Internet-of-Things, driverless cars, virtual reality, tactile internet and more. In this talk, I will provide an overview of 5G vision and performance targets followed by some key enabling technologies and examples of the research work at the University of Sussex.

Biography

Falah Ali is currently a Reader in Digital Communications at the University of Sussex. He leads the Communications Research Group in the Department of Engineering and Design. He received his PhD from the University of Warwick, and his MSc and BSc from Cardiff University, in the UK. He also held a postdoctoral position at Lancaster University focused on advanced multiple access techniques for wireless communications. He published over 100 papers in reputable journals and conferences and has served as a chair and member of technical programme committees in several conferences. His research interests are in 5G wireless communications systems. He is a Fellow of IET, a Senior member of IEEE, and a Chartered Engineer.

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