

Keynote Speech II

Massive MIMO for 5G

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BIOGRAPHY OF ABBAS OMAR



Received the B.Sc., M.Sc. and Doktor-Ing. degrees in electrical engineering in 1978, 1982 and 1986, respectively. He has been professor of electrical engineering since 1990 and director of the Chair of Microwave and Communication Engineering at the University of Magdeburg, Germany since 1998. He joined the Petroleum Institute in Abu Dhabi as a Distinguished Professor in 2012 and 2013 as an organizer of the research activities for the Oil and Gas Industry in this area. In 2014 and 2015 he chaired the Electrical and Computer Engineering at the University of Akron, Ohio, USA. Dr. Omar authored and co-authored more than 450 technical papers extending over a wide spectrum of research areas. His current research fields cover the areas of microwave, magnetic-resonance, and acoustic imaging, microwave and millimeterwave material characterization, phased arrays and beamforming, massive MIMO, indoor positioning, subsurface tomography and ground penetrating radar, and field theoretical modeling of microwave systems and components. He is IEEE Fellow.