

Biography

Shahid Mumtaz is an IET Fellow, IEEE ComSoc, VTS, IAS and ACM Distinguished speaker, recipient of IEEE ComSoC Young Researcher Award, founder and EiC of IET "Journal of Quantum communication," EiC of Alexandria Engineering Journal – Elsevier, Vice-Chair: Europe/Africa Region- IEEE ComSoc: Green Communications & Computing society and Vice-chair for IEEE standard on P1932.1: Standard for Licensed/Unlicensed Spectrum Interoperability in Wireless Mobile Networks. His work resulted in technology transfer to companies and patented technology. His expertise lies in 5G/6G wireless technologies using AI/ML and Digital Twin(VR/XR) tools and innovation path towards industrial and academic. Moreover, he worked as Senior 5G Consultant at Huawei and InterDigital, contributing to RAN1/RAN2.



He has more than 15 years of wireless industry/academic experience. He has received his Master's and Ph.D. degrees in Electrical & Electronic Engineering from Blekinge Institute of Technology, Sweden, and University of Aveiro, Portugal, in 2006 and 2011, respectively. From 2002 to 2003, he worked for Pak Telecom as System Engineer and from 2005 to 2006 for Ericsson and Huawei at Research Labs in Sweden. He has been with Instituto de Telecomunicações since 2011, where he currently holds the position of Principal Researcher (Associate Professor) and adjunct positions with several universities across the Europe-Asian Region.

He is the author of 4 technical books, 12 book chapters, 300+ technical papers (200+ Journals and Transactions, 90+ Conferences, 4 patents, 2 contributions to Standards, and 2 IEEE best paper awards in mobile communications. In addition to his work on data science, he has also contributed to Wireless communication, citing more than 10000 times with an H index of 55. He has been supervising/co-supervising several Ph.D. and Master students. He uses mathematical and system-level tools to model and analyze emerging wireless communication architectures using AI/ML, leading to innovative Master's theoretically optimal new communication techniques. He is working closely with leading R&D groups in the industry to transition these ideas to practice. He has secured funding of around 2M Euro.

His research has influenced international wireless standard bodies (i.e., IEEE and 3GPP), and major manufacturers have also represented his work in LTE release 12 onwards, including 5G NR. In addition, he has organized 20 workshops as Chair in IEEE prestigious conference, 22 special Issues as Lead Guest Editor of IEEE Communication, Wireless Magazine, and JSAC and Transaction on Vehicular Technology. Dr. Mumtaz is also the Associate Editor of several IEEE Journals, Communication Magazine, Wireless Magazine, Transactions on Industrial Informatics, Transactions on Communication, and IoT Journals.

In 2013, he was Co-General Chair in the 8th International Wireless Internet Conference - Symposium on Wireless and Vehicular Communication organized in Lisbon by IEEE and EAI societies. Moreover, he will also be a General Chair for IEEE CAMAD 2021 in Porto, Portugal. Furthermore, he gave invited tutorials/talks in IEEE conferences and the mobile industry and invited lectures in different foreign universities. Moreover, he serves as Scientific Expert and Evaluator for Research Funding Agencies, such as EU, COST, and NSF China. He was awarded an "Alain Bensoussan fellowship "in 2012. In addition, he was the recipient of the NSFC Visiting Researcher Fund for Young Scientists in 2017 from China.