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Classification of Indoor Environments for IoT Applications: A Machine Learning Approach

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Raed Shubair is a Full Professor of Electrical Engineering. He is a Visiting Scientist in MIT Research Laboratory of Electronics (RLE), MIT Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA. He is a Senior Advisor at the Ministry of Education, Aby Dhabi, UAE. He has been a Full Professor of Electrical Engineering at Khalifa University (formerly Etisalat University College), UAE which he joined in 1993 up to 2017. Prof. Shubair received both his B.Sc. degree in Electrical Engineering (with Distinction and Class Honors) from Kuwait University, Kuwait in June 1989 followed by his Ph.D. degree in Electrical Engineering (with Distinction) from the University of Waterloo, Canada in February 1993. His PhD thesis received the University of Waterloo 'Distinguished Doctorate Dissertation Award'. Prof. Shubair has several research interests including Signal Processing for Wireless and Medical Applications. He has over 250 publications in the form of US patents, book chapters, journal articles in IEEE transactions, and papers in IEEE conference proceedings.



Prof. Shubair has been an invited speaker and gave technical talks at elite universities including in USA (MIT, Stanford, Harvard, UCLA, Ohio State, NYU, UCF), in Canada (Toronto, Waterloo, UBC, Carleton), and in UK (Imperial College London, and Queen Mary University of London). At his home university in UAE, Prof. Shubair received, several times since 1993, both the 'University Teaching Excellence Award' and 'University Distinguished Service Award'. He is also recipient of several international awards including the 'Distinguished Service Award' from ACES Society, USA and from MIT Electromagnetics Academy, USA. Prof. Shubair organized, chaired, and delivered numerous technical special sessions and tutorials in IEEE flagship conferences. Prof. Shubair is a standing member of the editorial boards of several inter-national journals and serves regularly on the steering, organizing, and technical committees of IEEE flagship conferences in Antennas, Communications, and Signal Processing including EuCAP2016, EuCAP2017, EuCAP2018, IEEE APS2017, IEEE APS2018, IEEE WCNC2018, IEEE ICASSP2018, and GlobalSIP 2018. He has served as the TPC Chair of IEEE MMS2016 and is currently the TPC Chair of IEEE GlobalSIP 2018 Symposium on 5G Satellite Networks. Prof. Shubair holds several leading roles in the international professional engineering community including Member of the Executive Board for the European School of Antennas (ESoA), Regional Director for the IEEE SP Society in the Middle East, and Chair of IEEE AP Society educational Initiatives Committee. He is Guest Editor of the IEEE Journal of Electromagnetics, RF, and Microwaves in Medicine and Biology. Prof. Shubair is nominee for the 'IEEE Distinguished Educator Award'. He is currently Candidate-Elect for the position 'Regional Director-at-Large' for IEEE SP Society in Region 8 through which he will overlook and coordinate the society activities in Europe, Africa, and Middle East.