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Dr. Ismail a prolific author and entrepreneur, Joined Khalifa University in March 2011. He spent over 20 years in academia and industry in the US and Europe and was the Founding Director of the Ohio State University's Analog VLSI Lab , one of the foremost research entities in the field of analog and RF integrated circuits. He also had a Research Chair at the Swedish Royal Institute of Technology (KTH) and Founded the RaMSiS (Radio and Mixed Signal Integrated Systems) Research Group there. He advised to completion over 50 doctoral and 100 master students. He is the Founding Editor of the Springer Journal of Analog Integrated Circuits and Signal Processing serves as the Journal Editor in Chief and has served the IEEE in many editorial and Administrative capacities. He is the Founder of the IEEE International Conference on Electronics, Circuits and Systems (ICECS), the flagship Region 8 Conference of the IEEE Circuits and Systems Society. He is a consulting Editor of the Springer Advanced Analog Book Series. He is a Fellow of IEEE. Dr. Ismail is a Co-Founder of Micrys Inc., Columbus, Ohio, Spirea AB, Stockholm, Firstpass Technologies Inc., Dublin, Ohio and ANACAD-Egypt (now part of Mentor Graphics). At Khalifa, Dr. Ismail served as Director of the Sharjah Campus and is the Founding Chair of the newly established ECE Department which exists on both campuses (Sharjah and Abu Dhabi) of the University. The Department has over 40 faculty and 500 students, 450 undergraduate and 50 graduate students and is offering BS degrees in Electronics, communications and Computer and Software engineering as well as MS and PhD programs in ECE. Dr. Ismail has initiated the new Khalifa University ICT Research Center encompassing 5 Research Labs conducting multidisciplinary research in information security, e-services and networks, multimedia communications and embedded mixed signal systems. He also founded the ATIC-Khalifa Semiconductor Research Center focusing on low power system on chip design, test and IP development targeting the strategic areas of low power wireless chip sets, bio chips, self powered devices, power managements as well as research in the emerging fields of nanoscience. The Research in the department is aligned with the 2030 Abu Dhabi strategic plan calling for diversification of the economy beyond oil and gas and for promoting innovation, entrepreneurship and spinoffs in the semiconductor, energy and ICT sectors among others