



Dr. Umar Amjad Research Associate

Dr. Amjad is a Research Associate at the Center for Advanced Materials (CAM) of Qatar University. He received his M.Sc. degree in 2008 from Leipzig University, Germany and then worked on a European Union Project as a Junior Research Scientist. In 2014, he received a PhD from the department of Civil, Architectural Engineering and Mechanics (CAEM) with focus on Engineering Mechanics (Non- Destructive Testing using Ultrasound). After that Dr. Amjad worked as a consultant and research associate in the College of Engineering at the University of Arizona. He participated in several national and international conferences. In 2017, Dr. Amjad became a consultant for American Society of Mechanical Engineers (ASME) and assisted Editor- in- Chief of the research journal (ASME -JNDE). In 2018, he joined the College of Engineering at the University of Arizona as an adjunct faculty member and later he was appointed as a lead instructor for introductory engineering design course. In 2022, Dr. Amjad was promoted to Assistant Professor of Practice. In addition to his contribution to academics, Dr. Amjad worked closely with industry. He was interim chief technical officer and senior consultant for instrumentation and signal processing for Non-destructive testing (NDT). His current research focuses on creating smart solutions/devices for Non-destructive testing (NDT) and structural health monitoring (SHM). He has contributed in over 50 peer reviewed journal articles and conference proceedings, authored/co-authored 2 patents (pending). He also mentored several undergraduate and graduate students in engineering design and NDT/SHM projects.

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