Hamed Malekmohammadi

Bachelor degree in Mechanical Engineering (solid design) from KNT University of Technology, Tehran/Iran. Bachelor thesis topic: Design and manufacturing of a 4DOF robotic arm. Master degree in NDT from Dresden International University, Dresden/Germany. Master thesis topic: Determination of capabilities and characterization of EMIR method for direct Microwave NDT imaging.

Experience: 5 years of experience on design and manufacturing of automation and robotic systems and 10 years of experience in Non-destructive Tests which gained both theoretical and also strong field experience with various conventional and advanced NDT techniques.

Research activities: working at Advanced Robotics and Automation Systems (ARAS) Lab. at KNT University of Tech. during and after bachelor and as research assistant at Fraunhofer IKTS-Dresden and Chair of NDT and Quality assurance (LZfPQ) at Saarland University-Saarbruecken during master. Level III-Basic certificate according to ISO 9712 from DGZfP-Berlin for 7 methods (UT, RT, PT, MT, VT, ET, LT).

Main interest and focus: NDT methods and systems specifically Electromagnetic NDT techniques and Infrared Thermography.

Current occupation: working as researcher and PhD student on NDTonAIR project at University of Perugia, Terni/Italy. PhD project topic: Automatic defect identification and reconstruction in metallic structures based on coded-excitation eddy current imaging technique.