

Waled Hassan, Ph.D.
Associate Fellow NDE/NDT – Technology Organization
Global Advanced NDE Technology Leader

Rolls-Royce Corporation - Meridian Center
546 South Meridian Street
Indianapolis, IN 46225
MC-S3-06
TEL: (317) 230-8862 , Cell: (317) 902-6296
FAX: (317) 230-1325

Education: Ph.D. Engineering Mechanics, University of Cincinnati, 1998

Dr. Hassan, is currently the NDE/NDT Associate fellow and technology development leader within the Advanced Technology group at Rolls-Royce Corporation in Indianapolis, IN. He received his Ph.D. degree (1998) in Eng. Mechanics from the Aerospace Eng. and Eng. Mechanics Department at the University of Cincinnati with focus on material characterization and non-destructive testing. He also holds a M.Sc. in Eng. Mechanics and B.S. in Mechanical Engineering. After receiving his Ph.D. he joined Wright-Patterson Air Force Base, Dayton, Ohio as a Postdoctoral fellow within the Metals, Ceramics and NDE Division, Materials Directorate. He was involved in many research projects in the NDE field that utilize different techniques among which, ultrasonics, laser based ultrasound, and electromagnetic techniques. Then he joined United Technologies Research Center, East Hartford, Connecticut as an associate research Engineer within the components group. During his time at the research center he worked extensively on the simulation of NDE techniques. This effort was aimed at acquiring and developing simulation tools that are suited for the simulation of NDE techniques including X-Ray radiography, ultrasonics, and eddy current techniques. Between 2001 and 2008 Dr. Hassan worked at Honeywell Aerospace in Phoenix, AZ. During his career at Honeywell he concentrated on the development of inspection techniques for triple melt titanium alloy material for billets and forgings, development of new and emerging NDE technologies including phased arrays, SONIC IR, electromagnetic techniques and other R& D activities. Throughout his career he published fifteen refereed journal articles, numerous conference proceedings, and reports and has three patents. Dr. Hassan is a member of the American Society of Nondestructive Testing (ASNT) and is a certified ASNT Level III in Ultrasonics.