

Ibrahim Guven, Ph.D.

Assistant Professor, Department of Mechanical and Nuclear Engineering at VCU College of Engineering
Engineering East Hall, Room E3234, Richmond, VA, US

Dr. Guven specializes in fracture and failure analysis using Peridynamics

Industry Expertise

Research, Education/Learning

Areas of Expertise

Fracture and failure analysis using Peridynamics, Impact and penetration mechanics, Finite element method, Boundary element method, Multi-scale modeling of physical phenomena, Micro/nano-scale testing and measurement techniques, Stress and failure analysis of electronic components, Fatigue reliability of solder joints in electronic packages

Education

University of Arizona

Ph.D. Mechanical Engineering

Middle East Technical University

M.S. Engineering Sciences

Middle East Technical University

B.S. Civil Engineering

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