

# **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

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## **Industry Expertise**

Research, Education/Learning

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## **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

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## **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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