



The University of Texas at Tyler
College of Engineering and Computer Science
Faculty Biographical Sketches

TAHSIN KHAJAH, PH.D.

CURRENT POSITION:

Assistant Professor, College of Engineering; Department of Mechanical Engineering

BIOGRAPHICAL SKETCH

Dr. Tahsin Khajah received a Master of Science in Mechanical Engineering degree from Sharif University of Technology, Tehran, Iran. He specialized in dynamic of structures and vibration control during this period. He received his PhD from Old Dominion University, Norfolk, Virginia. Prior to receiving his Ph.D., Dr. Khajah worked over a decade in industry. He worked as a design engineer and a technical manager designing the layout, general arrangement, and material transportation machinery of four cement factories. Dr. Khajah joined faculty of Engineering Technology Department of Old Dominion University in 2010. He continued teaching full-time in Old Dominion University as a Visiting Professor till 2012. He thought design courses in Mechanical and Aerospace Engineering Department from 2012- 2015.

During his graduate studies, Dr. Khajah has been actively involved in research on numerical methods to solve engineering problems. His research was focused on Finite Element Method, Meshless methods, Isogeometric Analysis, and Evolutionary Optimization. He developed the required tools to generate hi-fidelity image-based models for Isogeometric analysis. Specifically, he has simulated the effects of electromagnetic radiation on realistic human brain section. He is a member of American Society of Mechanical Engineers and American Society for Engineering Education. His technical papers are mainly focused on optimization, Isogeometric Analysis, and structural dynamics.

RESEARCH INTERESTS

Isogeometric Analysis, Hi-Fidelity Biomedical Simulations, Computational Intelligence, Evolutionary Optimization, Computational Electromagnetics.

CONTACT INFORMATION

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