MathWorks presents

Finite Element Method (FEM) Case Study

Arizona State University

Senita Ballroom - SP 121B at MU
Wednesday, February 14th, 2024
5:00 PM – 7:00 PM
Cohosts: IEEE Student Branch and IEEE Education Society

RSVP Using the Url:
https://asu.campuslabs.com/engage/event/9875427

Food and merch provided!

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MATLAB&SIMULINK

This workshop is dedicated to the numerical solutions for Partial Differential Equations (PDEs), which are widely used in scientific and engineering fields. There are many different methods for solving PDEs, but two of the most prevalent and user-friendly methods are the Finite Element Method (FEM) and the Finite Difference Method (FDM). Our focus will be on FEM, providing participants with a comprehensive introduction, detailed examples, and hands-on coding experience. The session will include a case study of a beam under stress and delve into applications in electromagnetic scenarios. This interactive session invites active participation and dialogue, and attendees are encouraged to come with their laptops.

Jon Loftin is a Customer Success Engineer at MathWorks. Jon's background is in mathematics. More specifically, implementing mathematics in a computer. He holds degrees in mathematics: a BS from Southern Arkansas University, a MS from the University of Arkansas, and a Ph.D. from Texas Tech University. He has had years of teaching experience, from teaching at the Naval Nuclear Power School to teaching as an Assistant Professor. Jon's research focus is building efficient integration techniques in finite element methods.

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