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4:00 PM – 5:00 PM (EST)
AIM EFRC Webinar Series
(Season 4)

CompositesAI



Abstract: CompositesAI leverages the powerful LLM technology, combining verified data and expert intelligence and integrating composites simulation codes to deliver accurate, real-time insights. Available across platforms, CompositesAI allows users to engage with highly technical composites data in natural language. By democratizing access to expert-certified composites knowledge, CompositesAI accelerates innovation and enhances quality, efficiency, and sustainability across all stakeholders. With continuous improvement and a growing data ecosystem, CompositesAI is poised to lead the next generation of composites science and technology.

About Dr. Yu: Dr. Wenbin Yu is the Milton Clauser Professor of Aeronautics and Astronautics at Purdue University. He also serves as the Director for the Composites Design and Manufacturing HUB and the Chief Technology Officer of AnalySwift LLC. His areas of expertise include micromechanics and structural mechanics, with a focus on anisotropic and heterogeneous materials and structures. Dr. Yu has an extensive research portfolio, having authored one book and over 130 journal papers. He has also developed ten computer codes, widely used by tens of thousands across government labs, universities, and research institutes. Dr. Yu is a Distinguished Senior Fulbright Scholar, Fellow of both ASME and ASC, and an Associate Fellow of AIAA. He received ASC Award in Composites, ASC Outstanding Researcher Award, ASME Boeing Structures and Materials Award, ASME Dedicated Service Award, ASEE Outstanding New Mechanics Educator Award, Georgia Tech Outstanding Young Engineering Alumni Award, JEC Innovation Award, etc.

Location: Virtual – Zoom Meeting. Join on your computer, mobile app, or room device

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