

River Publishers Series in Conference Proceedings of the Society for Experimental Mechanics Series

Mechanics of Composite, Hybrid and Multifunctional Materials, Fracture, Fatigue, Failure and Damage Evolution, Volume 3

Proceedings of the 2021 Annual Conference and Exposition on Experimental and Applied Mechanics

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e-ISBN: 9788743803904
Available From: January 2022
Price: € 0.00

Description:

Mechanics of Composite, Hybrid, and Multifunctional Materials, Fracture, Fatigue, Failure and Damage Evolution, Volume 3 of the Proceedings of the 2021 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the third volume of four from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on a wide range of areas, including:

- Recycled Constituent Composites
- Damage Detection
- Advanced Imaging of Composites
- Multifunctional Materials
- Composite Interfaces
- Tunable Composites
- Novel Experimental Methods
- Extreme Environments
- Interfacial Fracture
- Integration of Models & Experiments
- Mechanics of Energy & Energetic Materials
- Integration of Models & Experiments
- In Situ Techniques for Fatigue & Fracture
- Microscale & Microstructural Effects on Mechanical Behavior

Keywords: Recycled Constituent Composites Damage Detection Advanced Imaging of Composites Composite Interfaces Tunable Composites Novel Experimental Methods Extreme Environments Interfacial Fracture Integration of Models & Experiments In Situ Techniques for Fatigue & Fracture Microscale & Microstructural Effects on Mechanical Behavior