

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

Fracture, Fatigue, Failure and Damage Evolution, Volume 7

Proceedings of the 2017 Annual Conference on Experimental and Applied Mechanics

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e-ISBN: 9788743803300
Available From: August 2017
Price: € 0.00

Description:

Fracture, Fatigue, Failure and Damage Evolution, Volume 7 of the Proceedings of the 2017 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the seventh volume of nine from the Conference, brings together contributions to this important area of research and engineering. Session organizers include: Jay Carroll, Shuman Xia, Allison Beese, Ryan Berke, Garrett Pataky, Samantha Daly, Kavan Hazeli, Antonios Kontsos, Omer Ozgur Capraz, Scott Grutzik, Onome Scott-Emaukpor The collection presents early findings and case studies on a wide range of areas, including:

- Mechanics of Energy & Energetic Materials
- Vibration Effects in Fracture & Fatigue
- Fracture & Fatigue of Additively Manufactured Materials
- In Situ Techniques for Fatigue & Fracture
- Microscale & Microstructural Effects on Mechanical Behavior
- Fracture & Fatigue of Composites
- Integration & Validation of Models with Experiments
- Fracture & Fatigue in Extreme Environments
- Novel Experimental Methods for Fatigue and Fracture
- Fracture of Brittle & Ductile Materials
- Interfacial Fracture

Keywords: Fracture, Fatigue, Failure & Damage Evolution SEM Annual Meeting Proceedings 2017 Mechanics of Energy & Energetic Materials Vibration Effects in Fracture & Fatigue Fracture & Fatigue of Additively Manufactured Materials In Situ Techniques for Fatigue & Fracture Microscale & Microstructural Effects on Mechanical Behavior Fracture & Fatigue of Composites Integration & Validation of Models with Experiments Fracture & Fatigue in Extreme Environments Novel Experimental Methods for Fatigue and Fracture Fracture of Brittle & Ductile Materials Interfacial Fracture