River Publishers

Fracture, Fatigue, Failure and Thermomechanics & Infrared Imaging, Volume 4, 2026

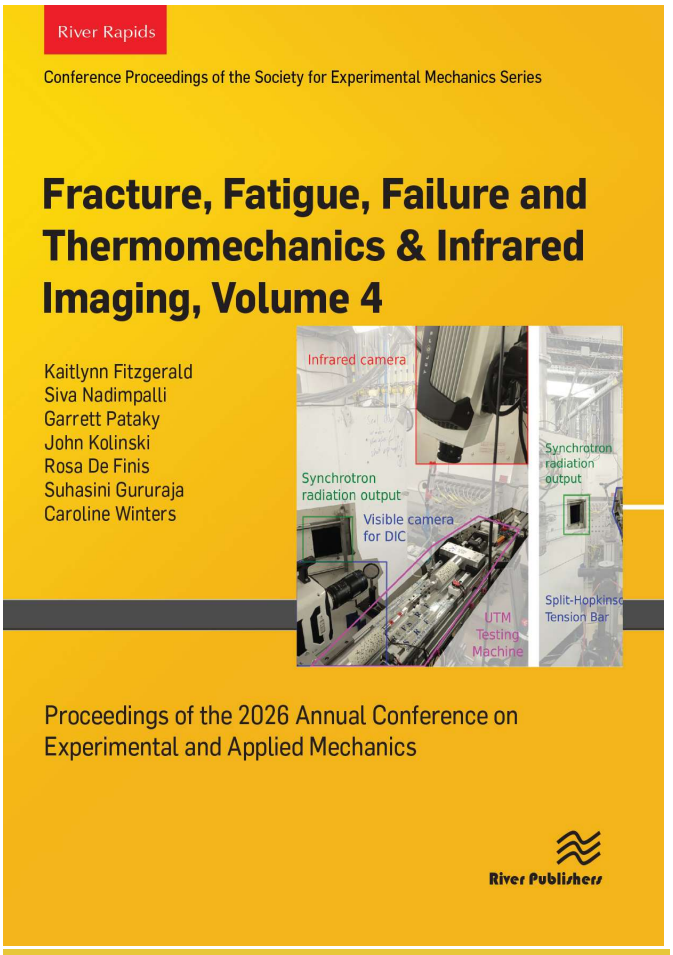
Editors:

Kaitlynn Fitzgerald, United States Naval Academy, MD, USA
Siva Nadimpalli, Michigan State University, MI, USA
Garrett Pataky, Clemson University, SC, USA
John Kolinski, EPFL, Switzerland
Rosa De Finis, University of Salento, Italy
Suhasini Gururaja, Auburn University, AL, USA
Caroline Winters, National Physical Laboratory, London, UK

Fracture, Fatigue, Failure and Thermomechanics & Infrared Imaging, Volume 4 of the Proceedings of the 2026 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the fourth volume of five 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, exploring failure mechanisms across various material systems including metals, composites, and natural materials:

- Mixed-Mode Fracture in Wood
- Thermal Expansion Effects
- Shot Peening Residual Stress
- Matrix Cracking under Dynamic Loading



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

ISBN: 9788743816225
e-ISBN: 9788743816270
Available From: October 2026
Price:

KEYWORDS:
Fracture, moisture fields, wood, viscoelasticity Wood, Mobility, Fracture, MMCG, LSA Shot Peening, FEA, Stress, Fatigue, Aluminum Alloy SS316L,SHTB, microstructural evolution,martensite Wood, MMGC, Mixed-mode fracture, DIC, Simulation Matrix cracking, X-Ray, Infrared Thermography Leidenfrost, pump, thermal propulsion

www.riverpublishers.com
marketing@riverpublishers.com