

Thermomechanics & Infrared Imaging, Inverse Problem Methodologies, Mechanics of Additive & Advanced Manufactured Materials, and Advancements in Optical Methods & Digital Image Correlation, Volume 4

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

Editor: Sharlotte L.B. Kramer, The Society for Experimental Mechanics, Bethel, USA

Thermomechanics & Infrared Imaging, Inverse Problem Methodologies and Mechanics of Additive & Advanced Manufactured Materials, and Advancement of Optical Methods & Digital Image Correlation, Volume 4 of the Proceedings of the 2021 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the fourth 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:

- Test Design and Inverse Method Algorithms
- Inverse Problems: Virtual Fields Method
- Material Characterizations Using Thermography
- Fatigue, Damage & Fracture Evaluation Using Infrared Thermography
- Mechanics of Additive & Advanced Manufactured Materials
- DIC Methods & Its Applications
- Photoelasticity and Interferometry Applications
- Micro-Optics and Microscopic Systems
- Multiscale and New Developments in Optical Methods

River Rapids

Conference Proceedings of the Society for Experimental Mechanics Series

Thermomechanics & Infrared Imaging, Inverse Problem Methodologies, Mechanics of Additive & Advanced Manufactured Materials, and Advancements in Optical Methods & Digital Image Correlation, Volume 4

Sharlotte L.B. Kramer
Rachael Tighe
Ming-Tzer Lin
Cosme Furlong
Chi-Hung Hwang



Proceedings of the 2021 Annual Conference
on Experimental and Applied Mechanics



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

e-ISBN: 9788743803911

Available From: February 2022

Price:

KEYWORDS:

Test Design and Inverse Method Algorithms Inverse Problems: Virtual Fields Method Material Characterizations Using Thermography Mechanics of Additive & Advanced Manufactured Materials DIC Methods & Its Applications Photoelasticity and Interferometry Applications Micro-Optics and Microscopic Systems



www.riverpublishers.com
marketing@riverpublishers.com