



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

Challenges in Mechanics of Biological Systems and Materials, Thermomechanics and Infrared Imaging, Time Dependent Materials and Residual Stress, Volume 2

Proceedings of the 2023 Annual Conference on Experimental and Applied Mechanics

Editors:

Christian Franck, The Society for Experimental Mechanics, Bethel, USA
 Karen Kasza, The Society for Experimental Mechanics, Bethel, USA
 Jon Estrada, The Society for Experimental Mechanics, Bethel, USA
 Rosa De Finis, The Society for Experimental Mechanics, Bethel, USA
 Geir Olafsson, The Society for Experimental Mechanics, Bethel, USA
 Suhasini Gururaja, The Society for Experimental Mechanics, Bethel, USA
 Jacek Furdas, The Society for Experimental Mechanics, Bethel, USA

Description:

Challenges in Mechanics of Biological Systems and Materials, Thermomechanics and Infrared Imaging, Time Dependent Materials and Residual Stress, Volume 2 of the Proceedings of the 2023 SEM Annual Conference & Exposition on Experimental and Applied Mechanics, the second 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 fundamental and applied aspects of Experimental Mechanics, including papers in the following general technical research areas:

- Advanced Thermographic Techniques for SHM
- AM Composites and Polymers
- Experimental Techniques in Biomechanics and Mechanobiology
- Inverse Methodologies and Uncertainties in the Identification of Residual Stresses, Residual Stress IV
- Low Cost Thermographic Applications
- Multiscale Mechanics of Biological Materials
- NDE and Process Monitoring
- Residual Stress
- Thermomechanics
- Time Dependence in Porous and Soft Materials

Keywords: Biomechanical Engineering Infrared Imaging Residual stress Time dependent materials Materials Characterization Conference Proceedings

Denmark Head Office

Alsbergvej 10
 9260 Gistrup
 Denmark
www.riverpublishers.com
 Email: info@riverpublishers.com

USA Office

Indianapolis, IN
 USA
 Tel.: +1-3176899634
 Email: rajeev.prasad@riverpublishers.com

UK Office

River Publishers
 Email: philippa.jefferies@riverpublishers.com