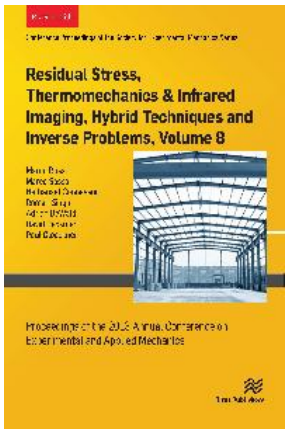
River Publishers



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

Residual Stress, Thermomechanics & Infrared Imaging, Hybrid Techniques and Inverse Problems Vol. 9

Proceedings of the 2013 Annual Conference on Experimental and Applied Mechanics

Editors:
Marco Rossi, The Society for Experimental Mechanics, Bethel, USA
Marco Sasso, The Society for Experimental Mechanics, Bethel, USA
Nathanael Connesson, The Society for Experimental Mechanics, Bethel, USA
Raman Singh, The Society for Experimental Mechanics, Bethel, USA
Adrian DeWald, The Society for Experimental Mechanics, Bethel, USA
David Backman, The Society for Experimental Mechanics, Bethel, USA
Paul Gloeckner,The Society for Experimental Mechanics, Bethel, USA

Description:

Residual Stress, Thermomechanics & Infrared Imaging, Hybrid Techniques and Inverse Problems, Volume 8: Proceedings of the 2013 Annual Conference on Experimental and Applied Mechanics, the eighth volume of eight 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:

- Advances in Residual Stress Measurement Methods
- Residual Stress Effects on Material Performance
- Optical, Ultrasonic, and Diffraction Methods for Residual Stress Measurement
- Thermomechanics & Infrared Imaging
- Inverse Methods
- Inverse Methods in Plasticity
- Applications in Experimental Mechanics

Keywords: Defect Detection Fatigue Resistance in Materials Fatigue Strength Hybrid Techniques Infrared Imaging Inverse Problems Residual Strains Residual Stress Thermoelastic Stress Analysis Thermomechanics

Denmark Head Office
Alsbjergvej 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