
Each collection presents early findings from experimental and computational investigations on an important area within Experimental Mechanics. The papers comprising Optical Measurements, Modeling and, Metrology were taken from the general call for papers as well as sessions organized by: E. Maire, MATEIS-INSA, S. Yoshida, Southeastern Louisiana University and C.A. Sciammarella, Illinois Institute of Technology/Northern Illinois University; R. Rodriguez-Vera, Centro de Investigaciones en Optica A.C.

Among the topics included in this volume are:

3D Imaging Applied to Experimental Mechanics
Modeling and Numerical Analysis in Optical Methods
Identification from Full-field Measurements
Recent Advances in Displacement-Metrology Methods
Phase Unwrapping, Phase Stepping, and High Speed Camera Calibration
Dynamic and Quasi Dynamic Measurements
Digital Image Correlation

The Society thanks the authors, presenters, organizers and session chairs for their participation and contribution to this volume.

The opinions expressed herein are those of the individual authors and not necessarily those of the Society for Experimental Mechanics, Inc.

Bethel, Connecticut

Dr. Thomas Proulx
Society for Experimental Mechanics, Inc
Optical Measurements, Modeling, and Metrology, Volume 5
Proceedings of the 2011 Annual Conference on Experimental and Applied Mechanics
Proulx, T. (Ed.)
2011, X, 422 p., Hardcover