

Preface

Topics in Modal Analysis II, Volume 8 represents one of the eight volumes of technical papers presented at the 32nd IMAC, A Conference and Exposition on Structural Dynamics, 2014, organized by the Society for Experimental Mechanics, and held in Orlando, Florida, February 3–6, 2014. The full proceedings also include volumes on Dynamics of Coupled Structures; Nonlinear Dynamics; Model Validation and Uncertainty Quantification; Dynamics of Civil Structures; Structural Health Monitoring; Special Topics in Structural Dynamics; and Topics in Modal Analysis I.

Each collection presents early findings from experimental and computational investigations on an important area within structural dynamics. *Topics in Modal Analysis II* represents papers on enabling technologies for modal analysis measurements such as sensors and instrumentation and applications of modal analysis in specific application areas. Topics in this volume include:

- Finite element techniques
- Modal parameter identification
- Modal testing methods
- Shock and vibration

The organizers would like to thank the authors, presenters, session organizers, and session chairs for their participation in this track.

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