

Preface

Modal Analysis Topics represents one of six clusters of technical papers presented at the 29th IMAC, A Conference and Exposition on Structural Dynamics, 2011 organized by the Society for Experimental Mechanics, and held in Jacksonville, Florida, January 31 - February 3, 2011. The full proceedings also include volumes on: Advanced Aerospace Applications; Linking Models and Experiments; Civil Engineering, Rotating Machinery, Structural Health Monitoring, and Shock and Vibration, and Sensors, Instrumentation, and Special Topics.

Each collection presents early findings from experimental and computational investigations on an important area within Structural Dynamics. The current volume on *Modal Analysis Techniques* includes studies on Modal Analysis, Modal Parameter Identification, Modal Parameter Estimation, Modal Testing Methods, Processing Modal Data, Experimental Techniques, Active Control, Nonlinear Systems, and Vibration Damping

IMAC covers the wide variety of subjects that are related to the broad field of Structural Dynamics. It is SEM's mission to disseminate information on a broad selection of subjects. To this end, research and application papers in this volume relate to the broad field of Structural Dynamics. Modal Analysis is a major enabling technology in this area and consequently is a significant component of this volume.

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

Bethel, Connecticut

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