

Preface

Shock & Vibration, Aircraft/Aerospace, Energy Harvesting, Acoustics & Optics represent one of ten volumes of technical papers presented at the 34th IMAC: Conference & Exposition on Structural Dynamics, organized by the Society for Experimental Mechanics and held in Orlando, Florida, January 25–28, 2016. The full proceedings also include volumes on nonlinear dynamics; dynamics of civil structures; model validation and uncertainty quantification; dynamics of coupled structures; sensors and instrumentation; special topics in structural dynamics; structural health monitoring, damage detection and mechatronics; rotating machinery, hybrid test methods, vibro-acoustics and laser vibrometry; and topics in modal analysis and testing.

Each collection presents early findings from experimental and computational investigations on an important area within structural dynamics. The topics represent papers on practical issues improving energy harvesting measurements, shock calibration and shock environment synthesis, and applications for aircraft/aerospace structures.

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

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