

Preface

Structural Health Monitoring, Damage Detection & Mechatronics represent one of ten volumes of technical papers presented at the 34th IMAC, A Conference and 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; rotating machinery, hybrid test methods, vibro-acoustics and laser vibrometry; and shock and vibration, aircraft/aerospace, energy harvesting, acoustics and optics, and topics in modal analysis and testing.

Each collection presents early findings from experimental and computational investigations on an important area within structural dynamics. *Structural Health Monitoring, Damage Detection & Mechatronics* are a few of these areas.

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

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