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Sensors and Instrumentation, Aircraft/Aerospace and Energy Harvesting, Volume 8

Proceedings of the 36th IMAC, A Conference and Exposition
on Structural Dynamics 2018

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Preface

Sensors and Instrumentation, Aircraft/Aerospace and Energy Harvesting represents one of nine volumes of technical papers presented at the 36th IMAC, A Conference and Exposition on Structural Dynamics, organized by the Society for Experimental Mechanics, and held in Orlando, Florida, February 12–15, 2018. The full proceedings also include volumes on Nonlinear Dynamics; Dynamics of Civil Structures; Model Validation and Uncertainty Quantification; Dynamics of Coupled Structures; Special Topics in Structural Dynamics; Structural Health Monitoring, Photogrammetry and DIC; Rotating Machinery, 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 sensors and instrumentation and other structural dynamics areas. Topics represent papers on calibration, smart sensors, 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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Depew, NY, USA
Fort Worth, TX, USA
Blacksburg, VA, USA
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