

PREFACE

Structural Dynamics and Renewable Energy represents one of five clusters of technical papers presented at the 28th IMAC, A Conference and Exposition on Structural Dynamics, 2010 organized by the Society for Experimental Mechanics, and held at Jacksonville, Florida, February 1-4, 2010. The full proceedings also include volumes on Nonlinear Modeling and Applications, Dynamics of Bridges, Dynamics of Civil Structures and, Structural Dynamics.

Each collection presents early findings from experimental and computational investigations on an important area within Structural Dynamics. The current volume on *Structural Dynamics and Renewable Energy* includes studies on Wind Turbine Blades, Energy Harvesting, Wind Turbine Dynamics, Electromagnetic and Magnetostrictive Energy Harvesting, Piezoelectric Energy Harvesting, and Operational Modal Analysis Applied to Wind turbines

In recent years, renewable energy has become a major research area. This volume brings together researchers and engineers interested in the structural dynamics aspects of energy systems and materials, and provides a forum to facilitate technical interaction and exchange.

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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