

# Preface

*Topics on the Dynamics of Civil Structures* represents one of six volumes of technical papers presented at the 30th IMAC, A Conference and Exposition on Structural Dynamics, 2012 organized by the Society for Experimental Mechanics, and held in Jacksonville, Florida, January 30–February 2, 2012. The full proceedings also include volumes on Substructuring and Wind Turbine Dynamics; Nonlinear Dynamics; Model Validation and Uncertainty Quantification; and Modal Analysis, I & II.

Each collection presents early findings from experimental and computational investigations on an important area within Structural Dynamics. The current volume on *Topics on the Dynamics of Civil Structures* centers on the testing, monitoring, and assessment of civil structures. Bridge dynamics and monitoring are two topics that are explored as part of a special focus on large civil structures. Damage detection, human loading, and vibration control address safety of civil structures.

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Columbia, SC, USA  
Orlando, FL, USA  
Porto, Portugal  
Sheffield, UK  
Sheffield, UK  
Lewisburg, PA, USA

J.M. Caicedo  
F.N. Catbas  
A. Cunha  
V. Racic  
P. Reynolds  
K. Salyards

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Caicedo, J.; Catbas, F.N.; Cunha, A.; Racic, V.; Reynolds,  
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