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Shamim Pakzad
Editor

Dynamics of Civil Structures, Volume 2

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

Editor

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Preface

Dynamics of Civil Structures 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; Model Validation and Uncertainty Quantification; Dynamics of Coupled Structures; Special Topics in Structural Dynamics; Structural Health Monitoring, Photogrammetry & DIC; Rotating Machinery, Vibro-Acoustics and Laser Vibrometry; Sensors and Instrumentation, Aircraft/Aerospace and Energy Harvesting; and Topics in Modal Analysis & Testing.

Each collection presents early findings from analytical, experimental, and computational investigations on an important area within Structural Dynamics. Dynamics of Civil Structures is one of these areas which cover topics of interest of several disciplines in engineering and science.

The Dynamics of Civil Structures Technical Division serves as a primary focal point within the SEM umbrella for technical activities devoted to civil structures analysis, testing, monitoring, and assessment. This volume covers a variety of topics including structural vibrations, damage identification, human-structure interaction, vibration control, model updating, modal analysis of in-service structures, innovative measurement techniques and mobile sensing, and bridge dynamics, among many others topics.

Papers cover testing and analysis of different kinds of civil engineering structures such as buildings, bridges, stadiums, dams, and others.

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

Bethlehem, PA, USA

Shamim Pakzad

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