

River Publishers Series in Conference Proceedings of the Society for Experimental Mechanics Series

Dynamics of Civil Structures, Vol. 2

Proceedings of the 43rd IMAC, A Conference and Exposition on Structural Dynamics 2025

Editors:

Matthew Whelan, P. Scott Harvey, Fernando Moreu
University of North Carolina-Charlotte, NC, USA

ISBN: 9788743801474
e-ISBN: 9788743801597
Available From: August 2025
Price: € 0.00

Description:

Dynamics of Civil Structures, Volume 2: Proceedings of the 43rd IMAC, A Conference and Exposition on Structural Dynamics, 2025, the second volume of twelve from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of the Dynamics of Civil Structures, including papers on:

- Structural Vibration
- Dynamics of Bridges, Buildings, and Infrastructure Systems
- Innovative Sensors and Measurement Techniques for Structural Applications
- Structural Control and Vibration Mitigation
- Human Induced Vibrations and Human-Structure Interaction
- Modal Identification of Structural Systems
- Human Health Monitoring Using Structural Sensing
- Field Monitoring of Vibrations

Keywords: Structural Vibration, Dynamics of Bridges, Buildings, and Infrastructure Systems, Innovative Sensors and Measurement Techniques ,for Structural Applications, Structural Control and Vibration Mitigation, Human Induced Vibrations and Human-Structure, Interaction, Modal Identification of Structural Systems, Human Health Monitoring Using Structural Sensing, Field Monitoring of Vibrations