

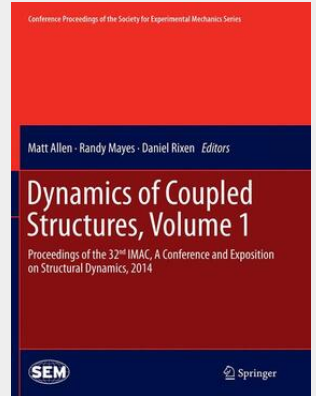
# Dynamics of Coupled Structures, Volume 1

Proceedings of the 32nd IMAC, A Conference and Exposition on Structural Dynamics, 2014

This first volume of eight from the IMAC-XXXII 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 Structural Dynamics, including papers on: - Linear Systems - Substructure Modelling - Adaptive Structures - Experimental Techniques - Analytical Methods - Damage Detection - Damping of Materials & Members - Modal Parameter Identification - Modal Testing Methods - System Identification - Active Control - Modal Parameter Estimation - Processing Modal Data

This critical collection examines a range of the dynamics of coupled structures, from reduced order models to industrial applications of substructuring to experimental studies of joints and joined structures, as presented in early findings and case studies from the Proceedings of the 32nd IMAC, A Conference and Exposition on Structural Dynamics, 2014. The collection includes papers in the following general technical research areas:

- Substructuring and the Ampair Wind Turbine Test Bed · Experimental Dynamic Substructuring · Reduced Order Models · Experimental Studies of Joints and Joined Structures · Analytical/Numerical Modeling of Joints · Industrial Applications of Substructuring



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