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Structural Health Monitoring & Machine Learning, Vol. 12

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

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Description:

Structural health Monitoring &. Machine Learning, Volume 12: Proceedings of the 43rd IMAC, A Conference and Exposition on Structural Dynamics, 2025, the twelth 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 Structural Health Monitoring, including papers on:

- Bayesian Methods for Model Inference
- Health Monitoring using dynamic measurements
- Health Monitoring using Digital Twinning
- SHM using Machine Learning
- Case studies of SHM on real-world dynamic systems
- Other Innovative SHM Methods

Keywords: autocovariance function, spatiotemporal, redundant, Flange tightness, state monitoring, virtual sensor, SCADA data, Wind Turbine, Prognosis, Structural health monitoring; Domain adaptation

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