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Model Validation and Uncertainty Quantification, Vol. 3

Proceedings of the 42nd IMAC, A Conference and Exposition on Structural Dynamics 2024

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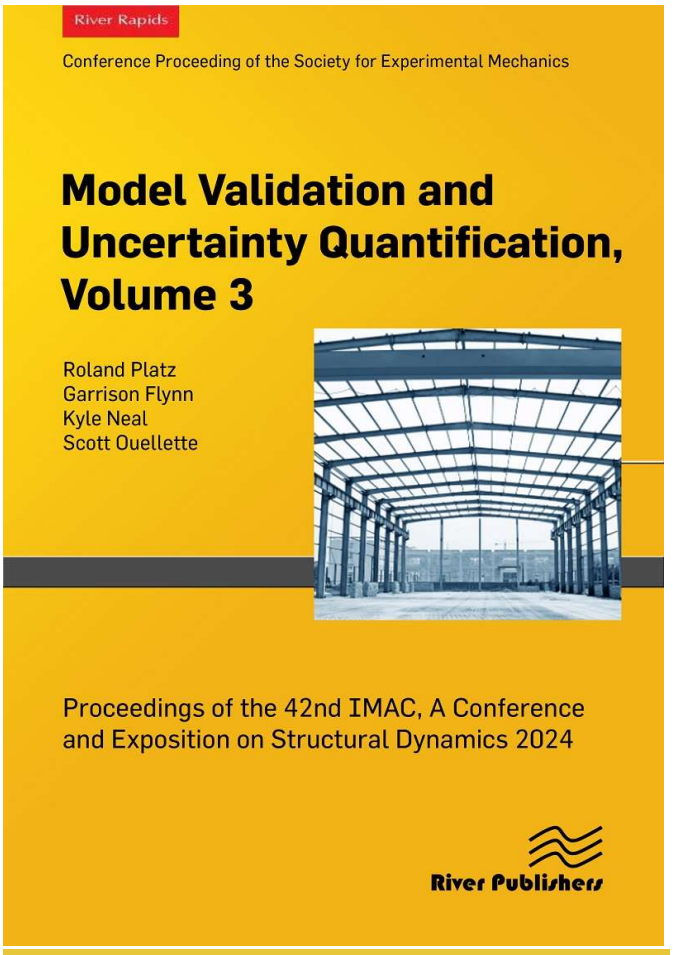
Model Validation and Uncertainty Quantification, Volume 3: Proceedings of the 42nd IMAC, A Conference and Exposition on Structural Dynamics, 2024, the third volume of ten from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Model Validation and Uncertainty Quantification, including papers on:

- Uncertainty Quantification in Dynamics
- Fusion of Test and Analysis
- Model Form Uncertainty: Round Robin Challenge UQVI (Uncertainty Quantification in Vibration Isolation)
- Recursive Bayesian System Identification
- Virtual Sensing & Realtime Monitoring
- Surrogate Modeling and Reduced Order Models



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