

Model Validation and Uncertainty Quantification, Volume 3

Proceedings of the 40th IMAC, A Conference and Exposition on Structural Dynamics 2022

Editor: Zhu Mao, The Society for Experimental Mechanics, Bethel, USA

Model Validation and Uncertainty Quantification, Volume 3: Proceedings of the 40th IMAC, A Conference and Exposition on Structural Dynamics, 2022, the third volume of nine 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 and Propagation in Structural Dynamics
- Bayesian Analysis for Real-Time Monitoring and Maintenance
- Uncertainty in Early Stage Design
- Quantification of Model-Form Uncertainties
- Fusion of Test and Analysis
- MVUQ in Action

Model Validation and Uncertainty Quantification, Volume 3

Zhu Mao



Proceedings of the 40th IMAC, A Conference and Exposition on Structural Dynamics 2022

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

e-ISBN: 9788743803942

Available From: July 2022

Price:

KEYWORDS:

Inverse Problems and Uncertainty Quantification
Controlling Uncertainty Validation of Models for
Operating Environments Model Validation &
Uncertainty Quantification: Decision Making
Uncertainty Quantification in Structural Dynamics
Uncertainty in Early Stage Design Computational
and Uncertainty Quantification Tools

