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	Nota di contenuto	Chapter 1. Uncertainty in Power Flow due to Measurement Errors in Virtual Point Transformation for Frequency Based Substructuring -- Chapter 2. Using Flight Test Measurements on a Low Fidelity Component to Predict Response on a High Fidelity Component -- Chapter 3. Road Noise NVH Part 2: Exploring the Capabilities of the TPA Framework with Interface Forces -- Chapter 4. Real-Time Hybrid Substructuring for Shock Applications Considering Effective Actuator

Control -- Chapter 5. Band Gap Estimation of D-LEGO Metastructures using FRF Based Substructuring and Bloch Wave Theory -- Chapter 6. An Assessment on The Efficiency of Different Reduction Techniques Based on Substructuring for Bladed Disk Systems with Shrouds -- Chapter 7. Control-free Dynamic Substructuring of a 3-storey Building -- Chapter 8. Accuracy of Nonlinear Substructuring Techniques in the Modal Domain -- Chapter 9. Quantication of Bias Errors Influence in Frequency Based Substructuring using Sensitivity Analysis -- Chapter 10. Real-Time and Pseudo-Dynamic Hybrid (Experimental-Numerical) Simulation Methods: A tutorial -- Chapter 11. Identification of Bolted Joint Properties through Substructure Decoupling -- Chapter 12. Parametric Analysis of the Expansion Process based on System Equivalent Model Mixing -- Chapter 13. Real-Time Hybrid Simulation Study of a Physical Duffing Absorber Attached to a Virtual Nonlinear Structure -- Chapter 14. System Equivalent Model Mixing (SEMM) - Modal Domain Formulation -- Chapter 15. Hybrid Testing of a Cantilever Beam with Two Controlled Degrees of Freedom -- Chapter 16. Experimental Substructuring of the Dynamic Substructures Round Robin Testbed -- Chapter 17. Feasibility of Configuration-Dependent Substructure Decoupling.

Sommario/riassunto	Dynamics of Coupled Structures, Volume 4: Proceedings of the 40th IMAC, A Conference and Exposition on Structural Dynamics, 2022, the fourth 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 the Dynamics of Coupled Structures, including papers on: Transfer Path Analysis Blocked Forces and Experimental Techniques Real-Time Hybrid Substructuring and Uncertainty Quantification in Substructuring Nonlinear Substructuring.