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Autore	Herisanu Nicolae
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tower cranes -- Application of Spectral Element Method and Machine Learning Technique in the composite concrete beam damage prediction -- Analysis of a Structures with Three Identical Parts -- Measurement and prediction of highway noise – case study from Serbia.

Sommario/riassunto

This book presents peer-reviewed and selected papers from the 17th Conference on Acoustics and Vibration of Mechanical Structures (AVMS) held in Timisoara, Romania, on 26–27 May 2023. Internationally recognized experts share their knowledge and key findings in a broad range of topics related to acoustics and vibration of mechanical structures such as analytical, numerical and experimental techniques for noise and vibration problems, environmental and occupational noise and vibration, modelling, prediction and simulations of noise and vibration, noise and vibration control, noise and vibration attenuators. The book addresses application studies and fundamental studies as well, and it is meant for academics researchers and professionals, as well as Ph.D. students concerned with various fields of acoustics and vibration of mechanical structures.