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Sommario/riassunto

This book comprises the proceedings of the Conference and Exhibition on Non-Destructive Evaluation (NDE 2022). The contents of the volume encompass a vast spectrum from conventional to advanced NDE including novel methods, and emerging NDE technologies. It covers topics from wide domains from conventional to advanced NDE methods which includes but not limited to drone-based inspections, thermal wave imaging, microwave NDE, shearography, Quantitative NDE using Digital Image Correlation, modeling and simulation, NDT data fusion, material characterization, waveguide sensors, inspections of civil structures, medical applications such as bone density and cancer diagnosis, signal and image processing, NDE sensors, instrumentation, software and systems, NDE 4.0 and robotics, automation, AI in NDE, functional and operational testing, NDE data analytics, reliability and safety assurance, periodic maintenance, life estimation, as well as structural integrity and related areas. This book serves as a useful reference for students, researchers, and practitioners working in the areas of non-destructive testing and evaluation.
