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Condition Assessment of a Metallic Runway Beam Based on Dynamic and Static Testing.

Sommario/riassunto

This book gathers the peer-reviewed selected papers presented at the 3rd International Conference on Testing and Experimentation in Civil Engineering (TEST&E 2022), held in Almada, Portugal, on June 21-23, 2022. It showcases the role of smart technologies in all civil engineering areas, such as structures and construction, geotechnics and natural resources, hydraulics and water resources, transportation and communication networks. The conference topics encompass big data and advanced data processing systems, AI applications, virtual and augmented reality, 3D modeling and printing, digital twins, automation, sensing and detection technologies, inspection, monitoring and automatic damage identification, destructive and non-destructive testing, bio, nano and new materials, disaster risk reduction and emergency management. As such the book represents an invaluable, up-to-the-minute tool, and offers an important platform to engineers and architects.