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Altri autori (Persone)	GautamChitra RabShanay WanMeher AgarwalRavinder YadavSanjay
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Nota di contenuto	Noise Monitoring in line with Compliance to ISO IEC 17025 -- Assessment of Train Noise -- Acoustics of Audiometry -- Cloud Computing for Noise monitoring and Mapping -- Role of plants in abatement of noise pollution -- Acoustic wave propagation at boundaries: Reflection, Absorption and Transmission -- Industrial Noise Prediction method, planning and implementation of statutory norms -- International standards on environmental noise -- Impact of Traffic noise on human health -- Traffic noise modelling -- Pavement Engineering: Noise Impact -- PCB noise -- Impact of noise on Health -- Fundamentals of Vibration Engineering -- Condition monitoring of

machines -- Instrumentation for vibration measurement and analysis -- Bearing Vibrations and Rotor Dynamics, Condition Monitoring of Machinery -- Vibration Engineering -- Fubdamentalsof vibration monitoring and control -- Active Vibration Control of functionally graded porous smart structure -- Environmental impact of power processor -- Periodic Structures and Acoustic Panels -- Acoustic material testing using impedance tube -- Acoustics Analysis of Electric motor in Electric vehicle by Using Finite Element Analysis Building Acoustics - Research on Novel method.

Sommario/riassunto

The handbook covers the topics of vibro-acoustics, noise, harshness and their related applications in detail. Various topics covered in this handbook are acoustics and vibration metrology, environmental noise measurements, building acoustics, acoustical meta-materials, underwater acoustics, soundscape approach, beam forming approach, 3D noise mapping, in-situ acoustical testing, etc. The handbook would provide a single window source of up-to-date information to the researchers, acousticians, noise and vibration control engineers, metrologists, industry, university graduates, masters, academicians, administrators, policymakers, regulators, and other stakeholders for a better understanding of vibro-acoustics, noise, harshness and related applications.