A comprehensive, single-volume reference

Clearly written by worldwide experts, the Handbook of Noise and Vibration Control provides, for the first time, a comprehensive single-volume reference on a broad spectrum of noise, shock, and vibration topics. For the book, Dr. Malcolm Crocker recruited leading practitioners and researchers to contribute their expertise on a multitude of topics including:

- Fundamentals of acoustics, noise, shock, and vibration theory and practice
- Physiological and psychological effects of noise, shock, and vibration on people
- Instrumentation, analysis, and measurement of noise and vibration
- Passive and active methods to reduce noise and vibration sources and paths
- Psychoacoustics and product sound quality
- Machinery noise and vibration sources, prediction, and control
- Interior vehicle, aircraft, and ship noise and vibration sources and control
- Control of noise, shock, and vibration in buildings

The Handbook's logical organization coupled with its detailed index makes it easy to jump to any topic quickly and get all the facts and practical guidance needed. Chapter introductions and references provide a gateway to the literature while figures and illustrations help the reader to visualize complex processes and procedures.

An expert snapshot of the broad field of noise and vibration—the science, latest research findings and practical applications, best practices, and future directions—the Handbook of Noise and Vibration Control is an invaluable resource for acoustical consultants, practicing engineers, researchers, architects, and designers in tackling some of their toughest problems.

About the Editor:
Malcolm J. Crocker, PhD, is Distinguished University Professor in the Mechanical Engineering Department of Auburn University, where he teaches and conducts research, sponsored by industry and government, in acoustics, noise, and vibration control. Dr. Crocker served for twenty years as the Editor of the Noise Control Engineering Journal and is currently Editor of the International Journal of Acoustics and Vibration. His contributions have been recognized with many honors including three honorary doctorates.