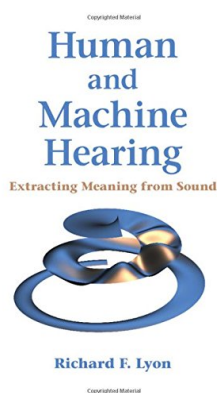# [PDF] Human And Machine Hearing: Extracting Meaning From Sound

Richard F. Lyon - pdf download free book

Books Details:
Title: Human and Machine Hearing: Ex
Author: Richard F. Lyon
Released:
Language:
Pages: 598
ISBN: 1107007534
ISBN13: 9781107007536
ASIN: 1107007534

[CLICK HERE FOR DOWNLOAD](#)

pdf, mobi, epub, azw, kindle

Description:

Human and Machine Hearing is the first book to comprehensively describe how human hearing works and how to build machines to analyze sounds in the same way that people do. Drawing on over thirty-five years of experience in analyzing hearing and building systems, Richard F. Lyon explains how we can now build machines with close-to-human abilities in speech, music, and other sound-understanding domains. He explains human hearing in terms of engineering concepts, and

describes how to incorporate those concepts into machines for a wide range of modern applications. The details of this approach are presented at an accessible level, to bring a diverse range of readers, from neuroscience to engineering, to a common technical understanding. The description of hearing as signal-processing algorithms is supported by corresponding open-source code, for which the book serves as motivating documentation.