

# Stereophonic Sound Recording Theory And Practice

Adaptive Multimedia Retrieval: Identifying, Summarizing, and Recommending Image and Music

Fiftieth Anniversary, 1912-1962

Sound Theory, Sound Practice

Perceptual Audio Evaluation - Theory, Method and Application

Audio Engineer's Reference Book

Sound and Recording

From Tinfoil to Stereo

Acoustics and Hearing

Full Frequency Stereophonic Sound

Principles and Practises of Tape and Disc Recording

Voice Science, Acoustics, and Recording

Billboard

The Microphone Book

Classical Recording

On Location Recording Techniques

Ambisonics

The Science of Sound Recording

Springer Handbook of Speech Processing

Sound and Recording

Immersive Sound

Stereophonic Sound

Immersive Sound

Stereophonic Sound Recording Techniques

A Guide to Stereo Sound

Microphone Arrays for Stereo and Multichannel Sound Recordings: a variable two channel microphone array ; The training of the ear : experimental recording and listening tests ; More on microphones : a short tutorial

Eargle's The Microphone Book

Spatial Audio

The Art and Science of 3D Audio Recording

Studying Sound

Distant Speech Recognition

Living Stereo

Stereo Microphone Techniques

The New Stereo Soundbook

Audio Technology, Music, and Media

Recording Music on Location

Wide-screen Cinema and Stereophonic Sound

The Technology of Binaural Understanding

Sound and Recording

The Art and Science of Surround and Stereo Recording

Artificial Mind System

*Stereophonic Sound Recording Theory And Practice* Downloaded from [data.avac.org](http://data.avac.org) by guest

## LANEY LILIANNA

### Adaptive Multimedia Retrieval: Identifying, Summarizing, and Recommending Image and Music

This book is written from an engineer's perspective of the mind. "Artificial Mind System" exposes the reader to a broad spectrum of interesting areas in general brain science and mind-oriented studies. In this research monograph a picture of the holistic model of an artificial mind system and its behaviour is drawn, as concretely as possible, within a unified context, which could eventually lead to practical realisation in terms of hardware or software. With a view that "the mind is a system always evolving", ideas inspired by many branches of studies related to brain science are integrated within the text, i.e. artificial intelligence, cognitive science / psychology, connectionism, consciousness studies, general neuroscience, linguistics, pattern recognition / data clustering, robotics, and signal processing. *Fiftieth Anniversary, 1912-1962* John Wiley & Sons This volume constitutes the refereed proceedings of the 6th International Workshop on Adaptive Multimedia Retrieval, AMR 2008, held in Berlin, Germany, in June 2008.

### Sound Theory, Sound Practice

As audio and telecommunication technologies develop, there is an increasing need to evaluate the technical and perceptual performance of these innovations. A growing number of new technologies (e.g. low bit-rate coding) are based on specific properties of the auditory system, which are often highly non-linear. This means that the auditory quality of such systems cannot be measured by traditional physical measures (such as distortion, frequency response etc.), but only by perceptual evaluations in the form of listening tests. Perceptual Audio Evaluation provides a comprehensive guide to the many variables that need to be considered before, during and after experiments. Including the selection of the content of the programme material to be reproduced, technical aspects of the production of the programme material, the experimental set-up including calibration, and the statistical planning of the experiment and subsequent analysis of the data. Perceptual Audio Evaluation: Provides a complete and accessible guide to the motives, theory and practical application of perceptual evaluation of reproduced sound. Discusses all the variables of perceptual evaluation, their control and their possible influence on the results. Covers in detail all international standards on the topic. Is illustrated throughout with tables, figures and worked solutions. Perceptual Audio Evaluation will appeal to audio and speech engineers as well as

researchers in audio and speech laboratories. Postgraduate students in engineering or acoustics and undergraduate students studying psychoacoustics, speech audio processing and signal processing will also find this an essential reference.

### Perceptual Audio Evaluation - Theory, Method and Application

Springer Nature This best-selling book introduces you to the principles of sound, perception, audio technology and systems. Whilst offering vital reading for audio students and trainee engineers, this guide is ideal for anyone concerned with audio, sound and recording, beginners and professionals alike. Comprehensive and easy to understand, this fifth edition is bang up to date, with expanded information on digital audio principles, systems and applications, as well as an extensively updated chapter on MIDI and synthetic audio control.

### Audio Engineer's Reference Book

CRC Press When you listen to music at home, you would like to have an acoustic impression close to being in the concert hall. This is achieved by an advanced two-loudspeaker technique and electronic handling of the signals. The way to head-related sound reproduction and reception to get the original impression is explained in this comprehensive book on the outer influence of hearing and how to achieve perfect stereo effects. The book also introduces a theory of drift thresholds.

### Sound and Recording

CRC Press Immersive Sound: The Art and Science of Binaural and Multi-Channel Audio provides a comprehensive guide to multi-channel sound. With contributions from leading recording engineers, researchers, and industry experts, Immersive Sound includes an in-depth description of the physics and psychoacoustics of spatial audio as well as practical applications. Chapters include the history of 3D sound, binaural reproduction over headphones and loudspeakers, stereo, surround sound, height channels, object-based audio, soundfield (ambisonics), wavefield synthesis, and multi-channel mixing techniques. Knowledge of the development, theory, and practice of spatial and multi-channel sound is essential to those advancing the research and applications in the rapidly evolving fields of 3D sound recording, augmented and virtual reality, gaming, film sound, music production, and post-production.

### From Tinfoil to Stereo

Il Rostro An introduction to the concepts and principles of sound design practice, with more than 175 exercises that teach readers to put theory into practice. This book offers an introduction to the principles and concepts of sound design practice, from technical aspects of sound effects to the creative use of sound in storytelling. Most books on sound design focus on sound for the

moving image. Studying Sound is unique in its exploration of sound on its own as a medium and rhetorical device. It includes more than 175 exercises that enable readers to put theory into practice as they progress through the chapters. The book begins with an examination of the distinction between hearing and listening (with exercises to train the ears) and then offers an overview of sound as an acoustic phenomenon. It introduces recording sound, covering basic recording accessories as well as theories about recording and perception; explores such spatial effects as reverberation and echo; and surveys other common digital sound effects, including tremolo, vibrato, and distortion. It introduces the theory and practice of mixing; explains surround and spatial sound; and considers sound and meaning, discussing ideas from semiotics and psychology. Finally, drawing on material presented in the preceding chapters, the book explores in detail using sound to support story, with examples from radio plays, audio dramas, and podcasts. Studying Sound is suitable for classroom use or independent study.

### Acoustics and Hearing

CRC Press This bestselling book introduces you to the principles of sound, perception, audio technology and systems. Providing vital reading for audio students and trainee engineers, this guide is ideal for anyone concerned with audio, sound and recording who wants a really good grounding in theory and industry practice. Now with numerous updates, including a new chapter on sound quality, expanded information on sequencing and synchronization, and updated chapters on digital audio, loudspeakers and mixers. \* Best-selling text provides more than an introduction to audio and sound recording in an easily digestible format. \* "Fact Files" give succinct information on the areas covered, addressing key points to aid the learning process \* Covers the latest digital recording technology, formats, and computer based interfaces \* Stereo and surround sound principles described in detail

### Full Frequency Stereophonic Sound

Springer Science & Business Media Immersive Sound: The Art and Science of Binaural and Multi-Channel Audio provides a comprehensive guide to multi-channel sound. With contributions from leading recording engineers, researchers, and industry experts, Immersive Sound includes an in-depth description of the physics and psychoacoustics of spatial audio as well as practical applications. Chapters include the history of 3D sound, binaural reproduction over headphones and loudspeakers, stereo, surround sound, height channels, object-based audio, soundfield (ambisonics), wavefield synthesis, and multi-channel mixing techniques. Knowledge of the development, theory, and practice of spatial and multi-channel sound is essential to those advancing the research and applications in the

rapidly evolving fields of 3D sound recording, augmented and virtual reality, gaming, film sound, music production, and post-production.

*Principles and Practises of Tape and Disc Recording* Bloomsbury Publishing USA

Stereophonic recording techniques are a means to attempt to reproduce the effect of auditory perspective similar to that created by the original sound. This title discusses the theory and practice of these techniques. The authors provide a clear, in-depth account of virtually every element of stereophonic recording techniques.

**Voice Science, Acoustics, and Recording** Taylor & Francis

This is the first comprehensive handbook devoted exclusively to stereo miking. The many illustrations and clear organization easily explain the theory behind stereo miking methods, and describe specific techniques. Describes how to position the correct microphones in the proper locations in order to record optimal quality stereo sound. 'Altogether a most comprehensive, well-researched and well-documented book.' Adrian Bishop-Laggett, *Line Up*, April 1992 - *Line Up*, April 1992

*Billboard* Wiley

Since its first publication in 1959, *From Tinfoil to Stereo* has been regarded as the bible of record and phonograph collectors. It investigates the individuals, the companies, and the legal machinations that led to virtually every major development in the talking machine industry, up to the installation of sound on Hollywood stages and in movie theaters across the country. This edition contains many new photographs, most taken between 1888 and 1912, that have never appeared in any publication.

**The Microphone Book** Taylor & Francis

*Classical Recording: A Practical Guide in the Decca Tradition* is the authoritative guide to all aspects of recording acoustic classical music. Offering detailed descriptions, diagrams, and photographs of fundamental recording techniques such as the Decca tree, this book offers a comprehensive overview of the essential skills involved in successfully producing a classical recording. Written by engineers with years of experience working for Decca and Abbey Road Studios and as freelancers, *Classical Recording* equips the student, the interested amateur, and the practising professional with the required knowledge and confidence to tackle everything from solo piano to opera.

**Classical Recording** Plural Publishing

An authoritative reference on all aspects of audio engineering and technology including basic mathematics and formulae, acoustics and psychoacoustics, microphones, loudspeakers and studio installations. Compiled by an international team of experts, the second edition was updated to keep abreast of fast-moving areas such as digital audio and transmission technology. Much of the material has been revised, updated and expanded to cover the very latest techniques. This is a new paperback version.

**On Location Recording Techniques** Springer Science & Business Media

This book provides a true A to Z of recorded sound, from its inception to the present day, outlining how technologies, techniques, and social attitudes have changed things, noting what is good and what is less good. The author starts by discussing the physics of sound generation and propagation. He then moves on to outline the history of recorded sound and early techniques and technologies, such as the rise of multi-channel tape recorders and their impact on recorded sound. He goes on to debate live sound versus recorded sound and why there is a difference, particularly with classical music. Other topics covered are the sound of real instruments and how that sound is produced and how to record it; microphone techniques and true stereo sound; digital workstations, sampling, and digital media; and music reproduction in the home and how it has changed. The author wraps up the book by discussing where we should be headed for both popular and classical music recording and reproduction, the role of the Audio Engineer in the 21st century, and a brief look at technology today and where it is headed. This book is ideal for anyone interested in recorded sound. "[Julian Ashbourn] strives for perfection and reaches it through his recordings... His deep knowledge of both technology and music is extensive and it is with great pleasure that I see he is passing this on for the benefit of others. I have no doubt that this book will be highly valued by many in the music industry, as it will be by me." -- Claudio Di Meo, Composer, Pianist and Principal Conductor of The Kensington Philharmonic Orchestra, The Hemel Symphony Orchestra and The Lumina Choir.

**Ambisonics** Psychology Press

First Published in 1992. Routledge is an imprint of Taylor & Francis, an informa company.

*The Science of Sound Recording* Taylor & Francis

*The Science of Sound Recording* will provide you with more than just an introduction to sound and recording, it will allow you to dive right into some of the technical areas that often appear overwhelming to anyone without an electrical engineering or physics background. *The Science of Sound Recording* helps you build a basic foundation of scientific principles, explaining how recording really works. Packed with valuable must know information, illustrations and examples of 'worked through' equations this book introduces the theory behind sound recording practices in a logical and practical way while placing an emphasis on the concepts of measurement as they relate to sound recording, physical principles of mechanics and acoustics, biophysics of hearing, introduction to electronics, analog and digital recording theory and how science determines mixing techniques.

**Springer Handbook of Speech Processing** Taylor & Francis

Providing vital reading for audio students and trainee engineers, *Sound and Recording* is the essential guide for anyone who wants

a solid grounding in both theory and industry practices in audio, sound, and recording. This updated and comprehensively restructured edition includes new content on DAW configuration, effects processing, 3D/immersive audio systems, object-based audio, and VR audio technology. This bestselling book introduces you to the principles of sound, perception, audio technology, and systems. *Sound and Recording* is the ideal audio engineering text for students, an accessible reference for professionals, and a comprehensive introduction for hobbyists.

*Sound and Recording* CRC Press

*Recording Music on Location* provides an excellent array of information on all aspects of recording outside the confines of the studio. Whether recording in the local blues club or a in an orchestra hall Bartlett explains clearly how to achieve professional results. Describing the latest technological developments in portable digital multitrack recorders and high-quality mixers, this book emphasises that recording on location is becoming possible for everyone. From planning on paper to the practical aspects of the set up, this book offers you expert advice on every stage of recording on location. Polish your skills for recording surround sound by following the written and audio examples of different miking techniques. Packed with hints and tips on how to make location recording easier for you this book is a great reference for anyone planning to venture outside the studio. The included audio CD demonstrates topics throughout the book.

**Immersive Sound** MIT Press

This book presents an extensive and timely survey of more than 30 surround and 20 stereo-microphone techniques. Further, it offers, for the first time, an explanation of why the RCA "Living Stereo" series of legacy recordings from the 1950s and 60s is still appreciated by music lovers worldwide, despite their use of an apparently incorrect recording technique from the perspective of psychoacoustics. Discussing this aspect in detail, the book draws on the author's study of concert hall acoustics and psychoacoustics. The book also analyzes the "fingerprint" features of a selected number of surround and - more importantly - stereo microphone techniques in depth by measuring their signal cross-correlation over frequency and also using an artificial human head. In addition, the book presents a rating of microphone techniques based on the assessment of various acoustic attributes, and merges the results of several subjective listening tests, including those conducted by other researchers. Building on this knowledge, it provides fresh insights into important microphone system features, from stereo to 3D audio. Moreover, it describes new microphone techniques, such as AB-PC, ORTF-T and BPT, and the recently defined BQIrep (Binaural Quality Index of reproduced music). Lastly, the book concludes with a short history of microphone techniques and case studies of live and studio recordings.

Best Sellers - Books :

- [How To Win Friends & Influence People \(dale Carnegie Books\) By Dale Carnegie](#)
- [Things We Never Got Over \(knockemout\)](#)
- [Rich Dad Poor Dad: What The Rich Teach Their Kids About Money That The Poor And Middle Class Do Not!](#)
- [Young Forever: The Secrets To Living Your Longest, Healthiest Life \(the Dr. Hyman Library, 11\) By Dr. Mark Hyman Md](#)
- [A Court Of Thorns And Roses \(a Court Of Thorns And Roses, 1\) By Sarah J. Maas](#)
- [Daisy Jones & The Six: A Novel](#)
- [Harry Potter Paperback Box Set \(books 1-7\) By J. K. Rowling](#)
- [A Court Of Mist And Fury \(a Court Of Thorns And Roses, 2\)](#)
- [The Nightingale: A Novel By Kristin Hannah](#)
- [Playground](#)