# Table of Contents

## Scientific Papers

### General Linear Acoustics

- **Hao Wang, Qingbang Han, Menglu Qian**
  Theoretical and Experimental Investigation on Laser-Generated Guided Wave Propagation Characteristic of an Overlying Plate/Substrate ................................................................. 687

- **P. Honzík, S. Durand, N. Joly, M. Bruneau**
  On the Acoustic Transfer Function of Slowly Tapered Small Horns Filled With Thermo-Viscous Fluid .......... 694

### Atmospheric Sound

- **K. M. Li, H. Tao**
  Reflection and Transmission of Sound From a Dipole Source Near a Rigid Porous Medium ......................... 703

### Underwater Sound

- **L. Sanchez-Ricart, J. García-Peláez**
  Fluid-Solid Static Coupling for Saturated Porous Fiber Metals in the Biot’s Acoustic Theory .................... 716

### Room Acoustics

- **Y. Lei, M. Hodgson**
  Prediction of the Effectiveness of a Sound-Masking System in an Open-Plan Office Including the Lombard Effect... 729

- **T. Sakuma, H. Lee**
  Validation of the Sample Rotation Scheme in the Measurement of Random-Incidence Scattering Coefficients .... 737

### Acoustic Materials

- **S. Luo, Q. Huang**
  Acoustic Absorption of Multi-Layer Structure Composed of Porous Layers Based on Biot’s Model and Transfer Matrix Method .................................................................................................................................. 751

### Computational and Numerical Acoustics

- **J. Biermann, O. von Estorff**
  Higher Order Finite and Infinite Acoustical Elements Based on Ultraspherical Polynomials ......................... 759

- **A. Leblanc, A. Lavie**
  A Meshless Method for the Helmholtz Eigenvalue Problem Based on the Taylor Series of the 3-D Green’s Function. 770

- **E. V. Donsov, B. B. Guzina**
  Dual-Time Approach to the Numerical Simulation of Modulated Nonlinear Ultrasound Fields .................... 777
Speech
B. Belmudez, B. Lewcio, S. Möller
Call Quality Prediction for Audiovisual Time-Varying Impairments Using Simulated Conversational Structures 792

Auditory Quality of Systems
P.-Y. Michaud, S. Meunier, P. Herzog, M. Lavandier, G. Drouet d’Aubigny
Perceptual Evaluation of Dissimilarity Between Auditory Stimuli: An Alternative to the Paired Comparison 806

History of Acoustics
D. Guicking
Erwin Meyer – A Great German Acoustician. Biographical Notes 816

Technical and Applied Papers
B. R. C. Molesworth, M. Burgess, A. Chung
Using Active Noise Cancelling Headphones to Reduce the Effects of Masking in Commercial Aviation 822
G. J. Perakis, I. H. Flindell, R. H. Self
Towards Roughness as an Additional Metric for Aircraft Noise Containing Multiple Tones 828
C. Oreinos, J. M. Buchholz
Measurement of a Full 3D Set of HRTFs for In-Ear and Hearing Aid Microphones on a Head and Torso Simulator (HATS) 836

Short Communications
M. Meissner
Acoustic Behaviour of Lightly Damped Rooms 845

Instructions for Authors 848
Editorial Board 851