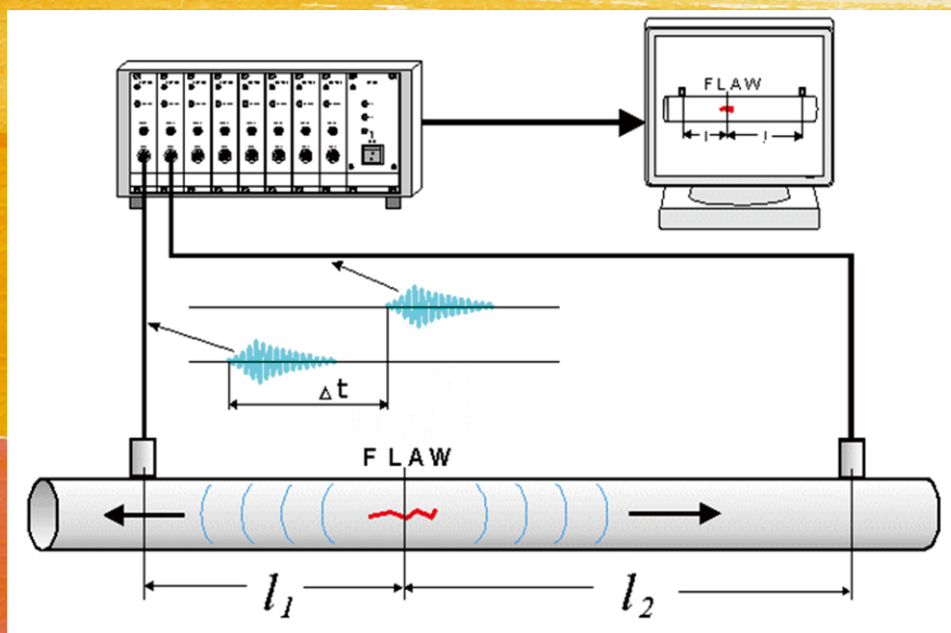




Open Journal of Acoustics



ISSN:2162-5786



Journal Editorial Board

ISSN 2162-5786 (Print) ISSN 2162-5794 (Online)

<http://www.scirp.org/journal/oja>

Editor-in-Chief

Dr. Wen L. Li

Wayne State University, USA

Editorial Board

Prof. Alberto Broatch

Polytechnic University of Valencia, Spain

Prof. Antonio Carcaterra

University 'La Sapienza', Italy

Dr. Kui-Fu Chen

China Agricultural University, China

Prof. Roger H. L. Chen

West Virginia University, USA

Dr. Rodrigo Costa-Felix

National Institute for Metrology, Quality and Technology, Brazil

Prof. Mohammad Hadi Dehghani

Tehran University of Medical Sciences, Iran

Prof. Massimo Garai

University of Bologna, Italy

Dr. Jose V. Garcia-Perez

Polytechnic University of Valencia, Spain

Dr. Luís Manuel Cortesão Godinho

University of Coimbra, Portugal

Dr. Guoyong Jin

Harbin Engineering University, China

Prof. Jian Kang

University of Sheffield, UK

Prof. Lok C. Lew Yan Voon

Wright State University, USA

Prof. Feng-Ming Li

Harbin Institute of Technology, China

Dr. Yi-Yang Li

The Chinese University of Hong Kong, China

Dr. Tian Ran (Terry) Lin

Queensland University of Technology, Australia

Prof. Cheuk-Ming Mak

The Hong Kong Polytechnic University, China

Dr. Víctor J. Sánchez Morcillo

Polytechnic University of Valencia, Spain

Dr. Qiao Sun

University of Calgary, Canada

Dr. Eng Leong Tan

Nanyang Technological University, Singapore

Dr. Antonio Uris

Polytechnic University of Valencia, Spain

Prof. Morten Willatzen

University of Southern Denmark, Denmark

Prof. Lei Xie

Northwestern Polytechnical University, China

Prof. Shefeng Yan

Chinese Academy of Sciences, China

Table of Contents

Volume 4 Number 3

September 2014

Peculiarities of Sound Wave in Moving Medium

V. G. Kirtskhalia.....99

Loudness Summation and Weightings for Loudness and Environmental Noise Assessment

J. Parmanen.....105

Acoustic Emission Studies on Weld Bead Defects in Nuclear Grade SS 316L Materials

Ranganayakulu S. V., Shiva Raju J., Kuchedludu A. and Ramesh Kumar B.....115

Ultrasonic Investigation of Elastic Anomalies in Lithium Sodium Sulphate Hexahydrate Single Crystal

G. Varughese, S. Kumar.....131

Measurement of Elastic Parameters of Lithium Hydroxylammonium Sulphate Single Crystal, by Ultrasonic Pulse Echo Overlap Technique

G. Varughese, S. Kumar.....138

The Peculiarities of Acoustical Monitoring of Moving Objects in Shallow Water Areas

M. Monteiro, V. Svet, D. Sandilands.....145

Open Journal of Acoustics (OJA)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Acoustics* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2014 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2014 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: oja@scirp.org



Call for Papers

Open Journal of Acoustics

ISSN 2162-5786 (Print) ISSN 2162-5794 (Online)

<http://www.scirp.org/journal/oja>

Open Journal of Acoustics (OJA) is an international journal dedicated to the latest advancement of acoustics. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of acoustics.

Editor-in-Chief

Dr. Wen L. Li

Wayne State University, USA

Editorial Board

Prof. Alberto Broatch
 Prof. Antonio Carcaterra
 Dr. Kui-Fu Chen
 Prof. Roger H. L. Chen
 Dr. Rodrigo Costa-Felix
 Prof. Mohammad Hadi Dehghani
 Prof. Massimo Garai
 Dr. Jose V. Garcia-Perez
 Dr. Luís Manuel Cortesão Godinho
 Dr. Guoyong Jin
 Prof. Jian Kang
 Prof. Lok C. Lew Yan Voon
 Prof. Feng-Ming Li
 Dr. Yi-Yang Li
 Dr. Tian Ran (Terry) Lin
 Prof. Cheuk-Ming Mak
 Dr. Víctor J. Sánchez Morcillo
 Dr. Qiao Sun
 Dr. Eng Leong Tan
 Dr. Antonio Uris
 Prof. Morten Willatzen
 Prof. Lei Xie
 Prof. Shefeng Yan

Polytechnic University of Valencia, Spain
 University 'La Sapienza', Italy
 China Agricultural University, China
 West Virginia University, USA
 National Institute for Metrology, Quality and Technology, Brazil
 Tehran University of Medical Sciences, Iran
 University of Bologna, Italy
 Polytechnic University of Valencia, Spain
 University of Coimbra, Portugal
 Harbin Engineering University, China
 University of Sheffield, UK
 Wright State University, USA
 Harbin Institute of Technology, China
 The Chinese University of Hong Kong, China
 Queensland University of Technology, Australia
 The Hong Kong Polytechnic University, China
 Polytechnic University of Valencia, Spain
 University of Calgary, Canada
 Nanyang Technological University, Singapore
 Polytechnic University of Valencia, Spain
 University of Southern Denmark, Denmark
 Northwestern Polytechnical University, China
 Chinese Academy of Sciences, China

Subject Coverage

This journal invites original research and review papers that address the following issues in acoustics. Topics of interest include, but are not limited to:

- Acoustic and Speech Signal Processing
- Acoustic Material
- Acoustic Measurement
- Acoustic Problems in Information Science
- Acoustic Signal Processing
- Acoustic Transducer, Acoustic Measurements and Methods
- Architectural Acoustics and Electroacoustics
- Fluid Dynamics and Acoustics
- Infrasonics
- Linear Acoustics
- Musical Acoustics
- Noise, Noise Effects and Control
- Nonlinear Acoustics
- Other Physical and Acoustic-Related Issues and Cross-Disciplinary
- Physical, Psychological Acoustics and Bioacoustics
- Sound of Water and Marine Acoustics
- Structural Acoustics and Vibration
- Ultrasonics in Medicine
- Ultrasonics, Quantum Acoustics and Acoustic Effects

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **OJA**.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/oja>

Email: oja@scirp.org

