



Journal of Flow Control Measurement & Visualization





Journal Editorial Board

ISSN 2329-3322 (Print) ISSN 2329-3330 (Online) https://www.scirp.org/journal/jfcmv

.....

Editors-in-Chief

Jun ChenPeking University, ChinaShouichiro IioShinshu University, JapanKojiro SuzukiUniversity of Tokyo, Japan

Editorial Board

Maolin Cai Beihang University, China

Lihao Feng Beijing University of Aeronautics and Astronautics, China

J. M. Floryan The University of Western Ontario, Canada

Shumpei Funatani University of Yamanashi, Japan

Nan Gao Dalian University of Technology, China

Jean R. HertzbergUniversity of Colorado, USAKoonlaya KanokjaruvijitNaresuan University, Thailand

Tomonori Kato Fukuoka Institute of Technology, Japan

Victor V. Kozlov Institute of Theoretical and Applied Mechanics, Russia

Huan Lian Chinese Academy of Sciences, China

Rui Alberto Lima Braganca (IPB) & CEFT/Porto University (FEUP), Portugal

Hiroki NagaiTohoku University, JapanMakoto OhtaTohoku University, Japan

Kaveh Ostad-Ali-Askari Isfahan University of Technologydisabled, Isfahan, Iran

Guoyi PengNihon University, JapanZhanqi TangTianjin University, ChinaAkiomi UshidaNiigata University, Japan



ISSN Online: 2329-3330 ISSN Print: 2329-3322

Table of Contents

Volume 10	Number 3	Ju	ıly 2022
Quantitative Visualization of Two-Phase Acoustic Streaming Emitted from Ultrasonic Scaler			
T. Yamagata, K. K	ato, N. Takahashi, S. Mineo, K.	Tabeta	87

Journal of Flow Control, Measurement & Visualization (JFCMV) Journal Information

SUBSCRIPTIONS

The *Journal of Flow Control, Measurement & Visualization* (Online at Scientific Research Publishing, https://www.scirp.org/) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 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 © 2022 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 © 2022 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: jfcmv@scirp.org





Journal of Flow Control, Measurement & Visualization

ISSN 2329-3322 (Print) ISSN 2329-3330 (Online) https://www.scirp.org/journal/jfcmv

This Journal is aimed at publishing original articles with visual images which will demonstrate facts to assist in the understanding of the presented information. Each article submitted should not have been published before nor simultaneously submitted for publication elsewhere.

Editors-in-Chief

Jun ChenPeking University, ChinaShouichiro IioShinshu University, JapanKojiro SuzukiUniversity of Tokyo, Japan

Subject Coverage

JFCMV is a quarterly online international journal. This journal will cover a wide range of experimental and computational articles in the fields of flow control, measurement and visualization. The fields include topics related to acoustics, aeronautics, biomedical and life sciences, combustion, fluid mechanics, heat transfer, hydraulics, micro and nano fluids, multiphase flow, ocean and wind engineering, optical measurement, safety management technology, scientific arts, sports science, turbo machinery, turbulence, visual information, and others.

Three types of articles will be considered for publication in the Journal:

Regular Paper: Original academic articles are encouraged to submit. The submitted article should be less than 14 pages long in the template format, while the paper less than 7 pages is recommended if it requires rapid communication. A few extra pages may be accepted free of charge after the review.

Review Paper: Review articles are encouraged to submit. The submitted article should be less than 20 pages long in the template format. A few extra pages may be accepted free of charge after the review.

Technical Paper: Original articles with highly emphasis on the engineering application are encouraged to submit, which includes the case study article. The page limit is the same as the regular paper.

Since the Journal focuses on publishing visual experimental and computational data, visual images are important factors for publication consideration.

Website and E-Mail

https://www.scirp.org/journal/jfcmv E-mail: jfcmv@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience





Website: https://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org