

ISSN: 2329-3322

Volume 5, Number 1, January 2017



Journal of Flow Control Measurement & Visualization



ISSN: 2329-3322



www.scirp.org/journal/jfcmv

Journal Editorial Board

ISSN 2329-3322 (Print) ISSN 2329-3330 (Online)

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

Editors-in-Chief

Nobuyuki Fujisawa

Niigata University, Japan

Tetsuhiro Tsukiji

Sophia University, Japan

S. H. Winoto

Universitas Diponegoro, Indonesia

Editorial Advisory Board

Yousef Haik

Qatar University, Qatar

Tomiiichi Hasegawa

Niigata College of Technology, Japan

Fujio Fujio Yamamoto

Fukui University, Japan

Regional Editors

J. Chen

Peking University, China

Jean R. Hertzberg

University of Colorado, USA

Chin Tsau Hsu

Hong-Kong University of Science & Technology, China

Toshiharu Kagawa

Tokyo Institute of Technology, Japan

Juergen Kompenhans

DLR, Germany

Editorial Board

G. M. Carlomagno

University of Naples, Italy

Lihao Feng

Beijing University of Aeronautics and Astronautics, China

J. M. Floryan

The University of Western Ontario, Canada

Toshiyuki Hayase

Tohoku University, Japan

Hwung Hweng Hwung

National Cheng Kung University, Chinese Taipei

Victor V. Kozlov

Institute of Theoretical and Applied Mechanics, Russia

Su-Xun Li

China Academy of Aerospace Aerodynamics, China

Kazuyoshi Nakabe

Kyoto University, Japan

Kazuo Ohmi

Osaka Sangyo University, Japan

Jinjun Wang

Beijing University of Aeronautics and Astronautics, China

Qing-Ding Wei

Peking University, China

Scientific Board

Maolin Cai

Beihang University, China

Yoshihiro Deguchi

The University of Tokushima, Japan

Shumpei Funatani

University of Yamanashi, Japan

Yves Gagnon

Universite de Moncton, Canada

Shouichiro Iio

Shinshu University, Japan

Hiroshige Kikura

Tokyo Institute of Technology, Japan

Rui Alberto Lima

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

Makoto Ohta

Tohoku University, Japan

Guoyi Peng

Nihon University, Japan

Takayuki Yamagata

Niigata University, Japan

C. Youn

Tokyo Institute of Technology, Japan

Table of Contents

Volume 5 Number 1

January 2017

**On the Improvement of Wind Power Predictions Based on Terrain Characteristics and
Measurements of the Annual Energy Production**

J. Dorval, C. Masson, Y. Gagnon.....1

Journal of Flow Control, Measurement & Visualization (JFCMV)

Journal Information

SUBSCRIPTIONS

Journal of Flow Control, Measurement & Visualization (Online at Scientific Research Publishing, 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 © 2017 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 © 2017 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)

<http://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

Nobuyuki Fujisawa

Tetsuhiro Tsukiji

S. H. Winoto

Niigata University, Japan

Sophia University, Japan

Universitas Diponegoro, Indonesia

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.

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

Original Paper: Original 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.

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

Website and E-Mail

<http://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



**Scientific
Research
Publishing**

Website: <http://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org