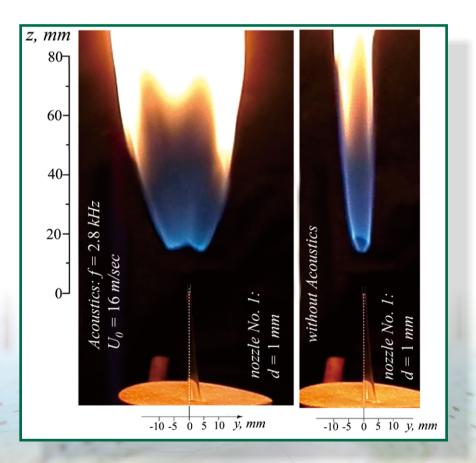
Vol. 1, No. 3, October 2013



Scientific Research

Journal of Flow Control, Measurement & Visualization





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 | National University of Singapore, Singapore |

Regional Editors

| Jean R. Hertzberg | University of Colorado, USA |
|--------------------|---|
| Chin Tsau Hsu | Hong-Kong University of Science & Technology, China |
| Juergen Kompenhans | DLR, Germany |

Editorial Board

| G. M. Carlomagno | University of Naples, Italy |
|-------------------|--|
| J. H. Chen | National Taiwan Ocean University, Chinese Taipei |
| J.J.J Chen | Chemical & Materials Engineering, New Zealand |
| D. H. Doh | Korea Maritime Technology, South Korea |
| J. M. Floryan | The University of Western Ontario, Canada |
| Toshiyuki Hayase | Tohoku University, Japan |
| Hwung Hweng Hwung | National Cheng Kung University, Chinese Taipei |
| Toshiharu Kagawa | Tokyo Institute of Technology, Japan |
| Victor V. Kozlov | Institute of Theoretical and Applied Mechanics, Russia |
| Su-xun Li | China Academy of Aerospace Aerodynamics, China |
| Kazuyoshi Nakabe | Kyoto University, Japan |
| K. Ohmi | Osaka Sangyo University, Japan |
| E. Rathakrishnan | Indian Institute of Technology, India |
| Qing-Ding Wei | Peking University, China |



TABLE OF CONTENTS

Volume 1 Number 3

October 2013

| Flip-Flop Flow Control inside Streamwise Diverging Diamond-Shaped Cylinder Bundles | |
|---|-----|
| with Concavities | |
| S. Torii, S. Umeda | 77 |
| Evaluation of Flight Trajectory and Unsteady Fluid Forces on Kicked Non-Spinning Soccer Ball | |
| by Digital Image Analysis | |
| T. Yamagata, T. Nagasawa, N. Fujisawa, T. Asai | 86 |
| Stability of Subsonic Jet Flows | |
| V. V. Kozlov, G. R. Grek, A. V. Dovgal, Y. A. Litvinenko | 94 |
| High Speed Observation of Periodic Cavity Behavior in a Convergent-Divergent Nozzle for | |
| Cavitating Water Jet | |
| K. Sato, Y. Taguchi, S. Hayashi | 102 |
| Stability of Subsonic Microjet Flows and Combustion | |
| V. V. Kozlov, G. R. Grek, M. M. Katasonov, O. P. Korobeinichev, Y. A. Litvinenko, A. G. Shmakov | 108 |

The figure on the front cover is from the article published in Journal of Flow Control, Measurement & Visualization, 2013, Vol. 1, No. 3, pp. 108-111 by Victor V. Kozlov, *et al.*

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

SUBSCRIPTIONS

JFCMV (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 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©2013 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

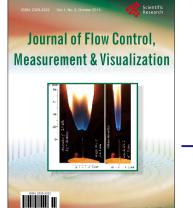
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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

Call for Papers



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 FujisawaNiigata University, JapanTetsuhiro TsukijiSophia University, JapanS. H. WinotoNational University of Singapore, Singapore

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:

Original Paper: Original publications on the subjects of flow control, measurement and visualization are encouraged to submit if they contain a sufficient amount of visual images.

Review Paper: Reviews on the topics in the fields of this Journal are encouraged to submit, if they contain a sufficient amount of visual images.

Short Paper: Rapid publications of original research in a short form are encouraged to submit, if they contain a sufficient amount of visual images.

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