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DESCRIPTION

The Journal of Sound and Vibration (JSV) is an independent journal devoted to the prompt publication of original papers, both theoretical and experimental, that provide new information on any aspect of sound or vibration. There is an emphasis on fundamental work that has potential for practical application.

JSV was founded and operates on the premise that the subject of sound and vibration requires a journal that publishes papers of a high technical standard across the various subdisciplines, thus facilitating awareness of techniques and discoveries in one area that may be applicable in others. For more detail on subject categories represented in JSV, visit JSV categories.

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Rapid Communications
JSV encourage Rapid Communications and to this end one referee is sought to prepare a report on each manuscript. Referees are requested to keep to a strict timeline and in order to fast track these manuscripts a second opinion is sought from either the Editor-in-Chief, or one of the Receiving Editors, after which authors are notified of a decision.

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S. Felix, Acoustics Laboratory of University of Maine, 72085, Le Mans, France
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O. Guasch, La Salle Campus Barcelona Engineering Department, Sant Joan La Salle Street, 08022, Barcelona, Spain
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P. Joseph, University of Southampton Institute of Sound and Vibration Research, University Road, SO17 1BJ, Southampton, United Kingdom
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M.K. Kalkowski, Imperial College London, SW7 2AZ, London, United Kingdom
P.S. Keogh, University of Bath Department of Mechanical Engineering, Claverton Down, BA2 7AY, Bath, United Kingdom
I. Kovacic, University of Novi Sad Faculty of Technical Sciences, 21000, Novi Sad, Serbia
J. Lam, University of Hong Kong Department of Mechanical Engineering, 7/F, Haking Wong Building, Pokfulam Road, Hong Kong, Hong Kong
M. Eisenberger, Technion Israel Institute of Technology, 32000, Haifa, Israel
I. Elishakoff, Florida Atlantic University Department of Ocean & Mechanical Engineering, 777 W. Glades Road, Boca Raton, Florida, 33431-0991, United States
S.J. Elliott, University of Southampton Institute of Sound and Vibration Research, University Road, SO17 1BJ, Southampton, United Kingdom
G. Gabard, University of Le Mans, 72085, Le Mans, France
S.A.L. Glegg, Florida Atlantic University Barry Kaye College of Business, PO Box 3091, Boca Raton, Florida, 33431-0991, United States
J.L. Guyader, National Institute of Applied Sciences of Lyon Laboratory of Vibration and Acoustics, Bâtiment St. Exupéry 25 bis av. Jean Capelle, 69621, Villeurbanne, France
P. Hagedorn, Darmstadt University of Technology Dynamics and Vibrations Group, Doloivostr. 15, 64293, Darmstadt, Germany
M. Harrison, Royal Academy of Engineering, SW1Y 5DG, London, United Kingdom
M. Heckl, Keele University School of Computing and Mathematics, ST5 5BG, Newcastle, United Kingdom
W. van Horssen, TU Delft, 2600 AA, Delft, Netherlands
H. Hu, Nanjing University of Aeronautics and Astronautics Institute of Vibration Engineering Research, 29 Yudao Street, 210016, Nanjing, China
A. Kahraman, The Ohio State University Department of Mechanical and Aerospace Engineering, 201 West 19th Avenue, Columbus, Ohio, 43210-1142, United States
S. Kaneko, The University of Tokyo Graduate School of Engineering Faculty of Engineering Department of Mechanical Engineering, 7-3-1 Hongo, 113-8656, Bunkyo-Ku, Japan
D. Kennedy, Cardiff University Cardiff School of Engineering, The Parade, CF24 0YF, Cardiff, United Kingdom
Y. Kim, Korea Advanced Institute of Science and Technology Center for Noise and Vibration Control, 373-1 Science Town, Daejeon, Korea, Republic of
V. Krylov, Loughborough University Department of Aeronautical and Automotive Engineering, LE11 3TU, Loughborough, United Kingdom
R.S. Langley, University of Cambridge Department of Engineering, 11 JJ Thomson Avenue, CB3 0FF, Cambridge, United Kingdom
R. Lewandowski, Poznan University of Technology, 60-965, Poznan, Poland
S. Liguore, The Boeing Company, Structures Technology, Mail Code S245-1260, St. Louis, Missouri, 63166-0516, United States
R. Mickens, Clark Atlanta University Department of Physics, Box 172, Atlanta, Georgia, 30314, United States
N. Noiray, Swiss Federal Institute of Technology Zurich Research Unit of Combustion and Acoustics for Power and Propulsion Systems, Zurich, Switzerland
M.P. Paidoussis, McGill University Department of Mechanical Engineering, 817 Sherbrooke Street. West, Montréal, H3A 0C3, Quebec, Canada
R. G. Parker, Virginia Polytechnic Institute and State University Department of Mechanical Engineering, 445 Goodwin Hall 635 Prices Fork Road - MC 0238, Blacksburg, 24061, Virginia, USA
B.A.T. Petersson, Technical University of Berlin, 10623, Berlin, Germany
S.W. Rienstra, University of Technology Eindhoven Department of Mathematics and Computer Science, P.O. Box 513, De Groene Loper 5, 5600 MB, Eindhoven, Netherlands
A.A. Shabana, University of Illinois at Chicago Department of Mechanical and Industrial Engineering, 842 West Taylor Street, Chicago, Illinois, 60607-7021, United States
R. Singh, The Ohio State University Department of Mechanical and Aerospace Engineering, 201 West 19th Avenue, Columbus, Ohio, 43210-1142, United States
S. Sorokin, Aalborg University Department of Materials and Production, Fibrigerstraede 16, DK-9220, Aalborg, Denmark
C. Su, South China University of Technology School of Civil Engineering and Transportation, 510641, Guangzhou, China
J.G. Sun, University of California Merced School of Engineering, 5200 N. Lake Road, Merced, California, 95343-5001, United States
J.J Thomsen, Technical University of Denmark (DTU), 2800, Kgs Lyngby, Denmark
O. Umnova, University of Salford School of Computing Science and Engineering, Newton Building, M5 4WT, Salford, United Kingdom
K.W. Wang, University of Michigan Department of Mechanical Engineering, 2236 G.G. Brown Building, 2350 Hayward Street, Ann Arbor, Michigan, 48109-2125, United States
Q. Wang, City University of Hong Kong, Kowloon, Hong Kong
J. Warminski, Lublin University of Technology Applied Mechanics Department, Nadbystrzycka, 20-618, Lublin, Poland
J. Woodhouse, University of Cambridge Department of Engineering, 11 JJ Thomson Avenue, CB3 0FF, Cambridge, United Kingdom
Y.-B. Yang, National Taiwan University College of Engineering, Taipei, Taiwan
X. Zhang, Hong Kong University of Science and Technology, 999077, Hong Kong, China, University of Southampton, UK
GUIDE FOR AUTHORS

Types of contribution
Original full length articles, review articles, rapid communications, discussions of previously published articles in JSV and commentaries in response to discussions, book reviews and Virtual Special Issue papers. Authors are advised that papers whose contribution is not concerned with fundamental issues in sound and vibration are not normally accepted; such material should be directed to more appropriate publications.

Papers published in JSV should contain new results, of potentially wider application than the specific situation reported; otherwise they should contain new insights of value to the acoustics and vibration community (for example by synthesizing material from traditionally separate fields), or provide authoritative reviews of progress in a defined area. Each paper submitted for publication is normally subject to review and criticism by two independent, anonymous referees, and authors are provided with copies of these reviews so that they can make revisions and improvements to their manuscripts before publication. For more information about how the peer review process is conducted for this journal, please take a look at the ‘Peer review policy statement’ here The normal time limit for the submission of an author's revised manuscript is three months; revised manuscripts received after this time may be considered as new submissions and subject to full re-review.

Authors should aim to produce a manuscript that can be reviewed on its own, without assuming that earlier or later parts will be published. The Editors strongly encourage authors considering the submission of multiple papers (eg: Part I, Part II, etc.) to instead combine them into one paper - in such cases this is a common recommendation of the reviewer(s). Alternatively, authors may choose to submit the respective parts sequentially, once the outcome of the review of the earlier manuscript is known. Authors in any doubt should contact the editor to whom the submission will be made.

Discussion Comments, of either a specific or a general nature, on work previously published in JSV should be submitted as Discussion items. A discussion should contain a maximum of 10 journal pages, including any figures. Discussion items do not require an abstract. Should the Discussion item be accepted, JSV policy is that the authors of the original article will be offered the opportunity to submit a response to the Discussion in the form of a Commentary. The timescale for authors to submit a response, to ensure publication within the same issue, is approximately 4-6 weeks.

Review Articles The Editors wish to encourage publication of scholarly review articles in the Journal. Review articles are typically 20-40 journal pages in length (about 20,000 words), and may focus on any area of sound or vibration likely to interest JSV readers. They may be relatively broad in scope - thereby serving a tutorial function - or quite specialized, aimed at researchers in the chosen field. Before submitting a review article please contact the Editor-in-Chief with an outline of the proposed manuscript.(jsv@isvr.soton.ac.uk). The proposal should include: List of authors, with credentials that show their standing in the field; A summary of the paper (max A4); Contents of the paper

If the Editor-in-Chief approves an outline please ensure that you make a note of this in the cover letter and/or submission details when you submit your manuscript.

Rapid Communications in the JSV are short papers addressing fundamentally new ideas, novel experimental observations or formulation of new challenging problems. Fast turn-around times are one of the key benefits of Rapid Communications providing a competitive advantage to authors.

Purpose: Rapid Communications are publications, up to four pages in size, and reporting a result likely of impact on the future research in the respective field. Authors are encouraged to submit an extended version of the paper at a later stage. Scope: Different from full research papers, it does not need to cover either detailed background information or a comprehensive evaluation. Instead, the focus is on quick publication of preliminary results and thoughts that are related to: Fundamentally new ideas, not yet fully proven Novel and Intriguing experimental observations Formulation of new problems of fundamental importance to the field of sound and vibration and/or its application in the emerging industries
**Acceptance**: The work reported needs to be novel and advancing the state of the art. Papers will be handled by the EiC or one of the Deputy EiCs, who will base their decision on one review. Referees are requested to keep to a strict timeline in order to fast track these manuscripts.

**Format**: Short Communications are limited to 2500 words (approx. 4 pages, a figure counts as 200 words) and should have no more than 10 references.

**Review Guidelines**: Review time will be short, ideally less than four weeks. A decision for acceptance or rejection will be made after the first round, with the option to make minor revisions. The decision is primarily based on (i) novelty, (ii) technical soundness, (iii) expected impact on the state-of-the-art and (iv) overall presentation and readability.

**Machine Learning Papers**

In the last few years, *JSV* has been receiving a large number of papers relating to machine learning or 'soft computing' applied in a mechanical systems context. Many of these papers are rejected without review as they do not conform to the standards required of a *JSV* paper. Please click here for further information.

**Book Reviews**

Book reviews are by invitation only. Books for review should be submitted to the Book Review Editor Dr Jen Muggleton (Tel: +44 23 8059 59 7624, Email jmm@isvr.soton.ac.uk) c/o Journal of Sound and Vibration Office, Room 4001, Building 13, Institute of Sound and Vibration Research, University of Southampton, Southampton, SO17 1BJ, UK., (Fax: +44 23 8059 3190)

**Virtual Special Issues (VSI)**

Nominated Guest Editors will need to submit an outline proposal to Professor Andrei Metrikine (A.Metrikine@tudelft.nl) giving some background to a suggested Virtual Special Issue (VSI) plus the theme of the issue. There are two types of VSI available:

- **Curated VSI** - A selection of up to 12 papers can be selected from past publications in the journal. These will appear on-line only. Papers retain their original DOI and are not re-printed.

- **New Work VSI** - Up to 12 manuscripts describing new work can be submitted to the journal within an agreed theme. Manuscripts are subject to our usual peer review process. Accepted manuscripts will appear together on-line and will also appear in the printed journal.

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*JSV* will be delighted to consider content which has been part of a conference before, and this will be peer reviewed in the same way as standard content. The submitting author is required to declare this at the moment of submission. Submission will also assume that the author has requested and received permission from the conference to publish the content again-no matter the amount of alteration-and that no submission will be made to *JSV* without this permission having been received. In the case that the permission is not granted, the author will not submit the paper to *JSV* under any circumstances. The author will also not submit papers to *JSV* for which they are currently seeking permission from the relevant conference. Should a paper be found to be in breach of copyright subsequent to publication, this paper will be retracted at the discretion of the publisher.

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The introduction sets the tone for the rest of the paper and is therefore very important. It should state the problem in enough detail to maintain and develop the reader's interest. The introduction is also the place to say why the problem is hard and also why it has not been solved before, or it should explain what is deficient about solutions that have previously been proposed. The introduction should contain a sufficiently inclusive and comprehensive literature review to confirm that the new work proposed is properly placed in context, and the literature search should go back as far as possible in order to capture all the really relevant past work. The introduction should conclude with a statement of sufficient depth and clarity that confirms the key components of the approach taken, the importance of the results obtained, and the novelty of the work as a whole.
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2. Make clear what new contribution the present paper offers relative to existing published work.
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The Conclusions should:
1. Give a summary of the problem considered and the results obtained.
2. It may also stress the importance of the paper's findings.
3. It is not JSV style to discuss possible future work in depth in the Conclusions but a short statement of intentions can be given if this is felt to be appropriate.

Appendices
If an appendix is required the order at the end of the article should be: Conclusion, Acknowledgement, Appendix, References. If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.
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Highlights should be submitted in a separate editable file in the online submission system. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point).

**Abstract**

A concise and factual abstract is required in one single paragraph. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided but if essential full publication details should be given. Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. In general an abstract should state the problem, and then explain the approach to obtaining the solution, and then describe the solution itself. It should also summarise key facts relating to the work done, the principal conclusions, and it should convey the overall impact of the work presented. The abstract should be as intelligible to the widest range of technically literate readers possible. Reference citations, figures and tables should not be included in the abstract.

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