

INSTRUCTIONS FOR AUTHORS

Submission of papers

Authors are encouraged to submit their original manuscripts online via the website: <http://journals.cambridge.org/jom> or <http://www.editorialmanager.com/jmech/default.asp>, where electronic submission and complete instructions for the preparation of manuscripts can be found.

The Journal employs a peer review system in the processing of manuscripts submitted for publication. Each manuscript is sent to reviewers (usually two or more) who are experts in the related fields. Decision as to the publication of the paper is based on the opinions expressed by the reviewers and the judgment of the Editorial board. Reviewers' suggestions for the revision of the manuscript are passed on to the author (s), who is entitled to make use of them or rebut them as he or she sees fit.

If there are any questions with regard to manuscript submission, please contact: jom@pme.nthu.edu.tw

Manuscript preparation

Papers should be adapted to submission template, at http://journals.cambridge.org/images/fileUpload/documents/Submission_Template.docx, and conform to the following instructions:

- **Language:** The manuscript should be written in good English. It should have been carefully checked for clarity, conciseness, correctness of grammar, and typographical errors.
- **Length:** A full length paper or review including figures and tables should not normally exceed 16 pages.
- **Format:** The main divisions are suggested to be arranged as follows: 1. Title page (containing: article, title, author (s), affiliation (s), and corresponding author's address, phone number, fax number and email address); 2. Abstract (of 200 words or less); 3. Keywords (of 4 or less); 4. Main text (containing: introduction, methods of solution, results and discussion, conclusion); 5. Acknowledgements; 6. Appendices; 7. Nomenclature; 8. References. Abstracts are not required for short papers.
- **Figures:** All photographs, charts and diagrams are to be referred to as "Figures". Captions to figures should be typed consecutively on a separate page (s) at the end of the paper. The preferred format for figure files is .eps or .tiff at a minimum resolution of 1200 dpi for lines, 600 dpi for greyscale and 400 dpi for color. Color art is free of charge for online publication. If figures will be printed in black and white, please ensure that the main information will be visible and do not refer to color in the text.
- **Tables:** Tables should be typed as part of the text, but in such a way as to avoid confusion with the text. Authors should try to ensure that a single table does not overlay on to the next page. All tables should have headings and be numbered.
- **Equations:** Mathematical expressions should be consecutively numbered throughout the body of the paper at the right-hand margin in parentheses. Numbering starts anew with each appendix: Appendix A: (A1), (A2), etc., Appendix B: (B1), (B2), etc. Equation numbers mentioned in the text should be enclosed in parentheses, *i.e.* Eq. (1), Eqs. (1), (2). And use only Word Equation Editor or MathType to produce equations.
- **Units:** Use of the international system units (SI units) is obligatory. Wherever possible, equations should be written in dimension form.

- **References:** References should be indicated in square brackets according to the order of appearances in the text, *i.e.* [1,2-4]. The full list should be collected at the end of the paper in numerical order. Examples of layout of references are given below.

1. Brown, H. E., Amstead, B. H. and Short, E., "Temperature and Velocity Distribution and Transfer of Heat in a Liquid Metal," *Journal of Heat Transfer*, **79**, pp. 279-285 (1957).
2. Zienkiewicz, O. C., *The Finite Element Method*, 3rd Edition, McGraw-Hill, Maiden Head, England, pp. 45-48 (1977).
3. Zengerle, R., Richter, A. and Sandmaier, H., "A Micro Membrane Pump with Electrostatic Actuation," *Proceedings of Micro Electro Mechanical Systems Conference*, Germany (1992).
4. Kobayashi, H., "Optimization of Elastic Structure," M. S. Thesis, Department of Aeronautics and Astronautics, Massachusetts Institute of Technology, Massachusetts, U.S.A. (1972).

- **Acknowledgements and financial support:** Authors are required to add Acknowledgement section and Financial Support section before References if any.

After acceptance

The corresponding author will be notified by the Editor-in-Chief of the Journal upon acceptance of the article and invited to supply an electronic version of the accepted manuscript. In the course of the production process, the corresponding author will be asked to transfer the copyright of the article to the Society. This transfer will ensure the widest possible dissemination of information.

Page charges

There will be no page charges for contributions from outside of Taiwan.

For contributions from Taiwan, a regular page charge of NT\$500 per page will be assessed for articles within 8 published pages (full length papers) or 4 published pages (technical notes). In addition, an excess page fee of NT\$2,000 per each exceeding page will also be charged to the author (s).

PDF offprint

An author is entitled to a PDF offprint of the published paper free of charge. The PDF offprint will be sent to the corresponding author at the email address supplied on submission. Print offprints may be ordered separately (in multiples of 50).

Author language services

Cambridge recommends that authors have their manuscripts checked by an English language native speaker before submission; this will ensure that submissions are judged at peer review exclusively on academic merit. We list a number of third-party services specializing in language editing and/or translation, and suggest that authors contact as appropriate. Use of any of these services is voluntary, and at the author's own expense.

729. Investigation of Bending Stiffness of Gas Turbine Engine Rotor Flanged Connection
F. R. Nizametdinov, Yu. S. Romashin, A. L. Berne, M. K. Leontyev
737. Study on Plate Straightening Process Based on Elastic-Plastic B Spline Finite Strip Method
Jianliang Sun, Mengqian Sun, Yunjing Jiao, Yanan Gao
749. Removing Non-Uniqueness in Symmetric Galerkin Boundary Element Method for Elastostatic Neumann Problems and its Application to Half-Space Problems
Y. -Y. KO
763. Optimization Analysis of Stratospheric Airship Suspended Curtains
Wei cheng Xie, Xiao liang Wang, Deng ping Duan, Ji wei Tang
773. Guided Wave Propagation in Functionally Graded One-Dimensional Hexagonal Quasi-Crystal Plates
B. ZHANG, J.G. YU, X.M. ZHANG
789. Experimental and Modeling Analysis of the Cell-Wall Fracture of *Nannochloropsis Oculata*
Wei-Hsuan Hsu, Yin-Hsuan Chien, Hung-Yin Tsai
799. Elastoplastic Constitutive Modeling for Reinforced Concrete in Ordinary State-Based Peridynamics
Tianyi Li, Xin Gu, Qing Zhang, Xiaozhou Xia
813. Mechanical Characterization of Heterogeneous Polycrystalline Rocks Using Nanoindentation Method in Combination with Generalized Means Method
M.R. Ayatollahi, M. Zare Najafabadi, S. S. R. Koloor, Michal Petrú
825. Applications of Ceemdan in Dynamic Behavior of Defected Spur Gearbox Running Under Acyclism Regime
A. Hammami, A. Hmida, M. T. Khabou, F. Chari, M. Haddar, A. Felkaoui
841. Study on Electromechanical Behavior of Functionally Graded Piezoelectric Composite Beams
Xiao Ma, Shuai Wang, Bo Zhou, Shifeng Xue
849. Comparison of Shape Characteristics of Plastic Zone Around Circular Tunnel Under Different Strength Criteria
H. Y. Shi, Z. K. Ma, Q. J. Zhu, J. J. Shi, Z. Q. Zhao
857. Load Ratios Carried by Each Constituent for Some Problems of a Particulate Composite Modeled as a Mixture of Two Linear Elastic Solids
E. Kurt, M. S. Dokuz
867. Response Prediction and Dynamic Substructuring for Coupled Structures in the Frequency Domain
X. H. Liao, W. F. Wu, H. D. Meng, J. B. Zhao
881. Design and Simulation Analysis of a Z Axis Microactuator with Low Mode Cross-Talk
Dang Van Hieu, Le Van Tam, Nguyen Van Duong, Nguyen Duy Vy, Chu Manh Hoang
889. Research on Edge Surface Warping Defect Diagnosis Based on Fusion Dimension Reduction Layer DBN and Contribution Plot Method
Sun Jianliang, Sun Mengqian, Guo Hesong, Peng Yan, Ji Jiang, Xu Lipu
901. A Divergence-Free Immersed Boundary Method and its Finite Element Applications
Chuan Zhou, Jianhua Li, Huaan Wang, Kailong Mu, Lanhao Zhao
915. Investigating the Effect of Different Parameters on CHTC Using Wind-Tunnel Measurement and Computational Fluid Dynamics (CFD) to Develop CHTC Correlations for Mixed CHTCS
Hamed Agabalaie Fakhim, Kamiar Zamzamin, Masoud Hanifi
933. An Accurate Performance Prediction of Solid Fuel Ramjets Using Coupled Intake-Combustor-Nozzle Simulation
A. M. Tahsini
943. A Derivation of Stiffness and Damping Coefficients for Short Hydrodynamic Journal Bearings with Pseudo-Plastic Lubricants
Zhuxin Tian, Runchang Chen
955. Numerical Simulation Study on Battery-Casing Sealing Considering Rubber Aging
Yijie Huang, Fei Guo, Yuchao Ke, Fangyong Wu, Xiaohong Jia, Yuming Wang
971. An Experimental Correction Method for Relative Indentation of Normal Contact
P. Peng, C. A. Di, G. S. Chen

Technical Note

- N9. A Study of Transmission Error Modeling and Preload Compensation for the Cable-Driven Sheaves Used in Space Docking Locks
Chuntian Xu, Jianguang Li, Peng Wang, Zhengdong Xu

Cambridge Journals Online

For further information about this journal please go to the journal web site at: journals.cambridge.org/jom

CAMBRIDGE
UNIVERSITY PRESS