

AUTHOR INSTRUCTIONS

VISUALIZATION OF MECHANICAL PROCESSES

DESCRIPTION OF PAPERS CONSIDERED FOR PUBLICATION: *Visualization of Mechanical Processes* is a quarterly online international journal that was established by the Central Aero-Hydrodynamic Institute of Russia (TsAGI), the Asian Society of Visualization (ASV) and Begell House Publishers. The journal will cover a wide range of experimental and computational articles in the field of visualization, which covers all areas of engineering and science. The fields may include topics related to academic interest in aeronautics, astronautics, combustion, optical measurement, multiphase flow, heat transfer, turbulent flow, acoustics, flow control, safety management technology, turbo machinery, hydraulics, ocean and wind engineering, visual information, nano and micro fluids and more.

The main purpose of the journal is to publish articles with visual-digitized experimental and computational data which will demonstrate facts to assist in understanding the presented information. Each article submitted will not have been published elsewhere nor simultaneously submitted for publication somewhere else.

The following types of articles will be accepted for publication in the journal:

Portfolio: All publications shall be consistent and have high quality experimental visualization illustrations with minimum comments about method and conditions in which the results were received.

Review: Different reviews on the journal subjects are accepted if they contain a sufficient amount of illustrated information.

Original: Original publications on the subjects of visualization are accepted if they contain a sufficient amount of illustrated information.

Because the journal focuses on publishing visual experimental and computational data, a limit of 35 Mb per article has been estimated for an average article. However, articles with larger illustrations will be considered for publication and if accepted the editorial staff will void the current file size restrictions.

Each article will receive at least two anonymous reviews.

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Book: Nield, D.A. and Bejan, A., *Convection in Porous Media*, New York: Springer-Verlag, pp. 125–176, 2005.

e-Books: Buyevich, Yu.A. and Alexandrov, D.V., *Heat Transfer in Dispersions*, Connecticut: Begell House, accessed May 5, 2005, from http://www.begellhouse.com/ebook_platform/56b7e0bb224cdbbf/7f98f1e271b3e77a.html, 2005.

Edited Book: Yang, W. and Kim, J.H. Eds., *Rotating Machinery*, New York: Begell House, 1992.

Edited Book Chapter: Nishikawa, K. and Ito, T., Augmentation of Nucleate Boiling Heat Transfer by Prepared Surfaces, in *Heat Transfer in Energy Problems*, T. Mizushima and W.J. Yang, Eds., Washington, D.C.: Hemisphere Publishing, pp. 111–1182, 1982.

Conference Proceedings: Ma, T.M., Effects of Geometrical Shapes of Reentrant Grooves on Boiling Heat Transfer from Porous Surfaces, *Heat Transfer 1986, Proc. of 8th Int. Heat Trans. Conf.*, San Francisco, CA, vol. 4, pp. 2013–2018, 1987.

Dissertation: Richmond, J., Steady State Thermal Conductivity, PhD, University of Connecticut, 2004.

Journals:

Print Article: Nakayama, W. and Nakajima, T., Effects of Pore Diameters and System Pressure on Saturated Pool Nucleate Boiling Heat Transfer from Porous Surfaces, *J. Enhanced Heat Trans.*, vol. 104, no. 2, pp. 286–291, 1982.

Online Scholarly Article: Author, A.A., and Author, B.B., Title of Article. *Title of Journal*, vol. 10, accessed June 10, 1999, from <http://www.someaddress.com/full/url/>, 1995.

Online Scholarly Article with DOI: Nesterov, D. and Dmitriev, G., Investigation of Loop Heat Pipe Oscillating Behavior using Numerical Simulation, *Heat Pipes Sci. Technol.*, vol. 6, nos. 1-2, pp. 25-49, 2015. DOI: 10.1615/HeatPipeScieTech.2015012224

Paper or Poster: Authani A.R., Lang LE, Thomas I.M., and Leena V.W., Scientific Images that Change the World, paper presented at, *VIIIP 2012, Proc. of 3rd Int. Conf. on Visualization, Imaging and Processing*, Madrid, Spain, 2012.

Patent: Inventor, A.A., Inventor, B.B., and Inventor, C.C., Cement Admixture. US Patent 4,586,960, filed June 26, 1984, and issued May 6, 1986.

Report: Robert, E.E. *et al.*, Oxygen Absorption in the Atmosphere, Aerospace Corp., Los Angeles, CA, Tech. Rep. TR-0200 (4230-46)-3, Nov. 1988.

Web Documents:

Chapter or Section: Author, A.A. and Author, B.B., Title of Article, in *Title of Book or Larger Document* (chapter or section number), accessed April 1, 2014, from <http://www.someaddress.com/full/url/>, 2000.

Nonperiodical: Author, A.A. and Author, B.B., *Title of Document*, accessed August 27, 2013, from <http://www.someaddress.com/full/url/>, 2011.

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