

AUTHOR INSTRUCTIONS

JOURNAL OF ENHANCED HEAT TRANSFER

DESCRIPTION OF PAPERS CONSIDERED FOR PUBLICATION: *Journal of Enhanced Heat Transfer* will consider a wide range of scholarly papers related to the subject of "enhanced heat and mass transfer" in natural and forced convection of liquids and gases, boiling, condensation, radiative heat transfer. Areas of interest include:

- Specially configured surface geometries, electric or magnetic fields, and fluid additives - all aimed at enhancing heat transfer rates. Papers may include theoretical modeling, experimental techniques, experimental data, and/or application of enhanced heat transfer technology.
- The general topic of "high performance" heat transfer concepts or systems is also encouraged.
- The journal will also consider well-prepared review articles within the identified subject areas.
- Archival quality papers previously published at limited distribution conferences are also accepted. The author may need to provide a copyright release from the conference publisher

Manuscripts should discuss how the proposed manuscript is both related to, and unique from, existing published works. It is not sufficient to merely analyze or test a slightly modified shape, or range of operating parameters. If "shape" issues are involved, what is important about this shape? Is it important to specific applications? If so, discuss this. A key question is - "What new results, or understanding, does the manuscript provide?" Additionally, CFD papers must address and discuss the "underlying physics" of their numerical study. It is insufficient to simply present a CFD solution without in-depth discussion of the transfer mechanisms involved.

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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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