

# AUTHOR INSTRUCTIONS

## ATOMIZATION AND SPRAYS

**DESCRIPTION OF PAPERS CONSIDERED FOR PUBLICATION:** *Technical Papers* should specifically describe emerging techniques, such as the development or design of a new process, product or device, the definition of industrial standards or a collection of measurement data for round-robin and test cases comparing numerical simulations. Generally the submission should be limited to 12 double spaced pages, including all figures, tables and references.

**Short Letters** should specifically describe breakthroughs — particularly relevant new results. They should accelerate the dissemination and the priority of a particular discovery. Submissions should be limited to eight double-spaced pages, including figures, tables, and references. Short Letters will be processed through the editorial system more quickly than standard manuscripts.

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**Author Information:** Senior authors full name, affiliation, and e-mail address. Corresponding authors complete mailing address and e-mail address. Co-authors' affiliation and email address.

**Abstract:** All articles must have an abstract not to exceed 250 words. Avoid abbreviations, diagrams, and reference to the text.

**Key Words:** All articles should have a list of key (indexing) terms. Three to ten key words or terms not in the title will assist indexers in cross-indexing your article.

**Specific Technical Areas:** In the submission process, please indicate one or two specific areas among the following 18 technical areas covered in this journal: (1) Nano Technology and Innovative Methods in Energetic Materials (EM) Development; (2) Synthesis & Characterization of EMs; (3) Formulation, Processing, and Manufacturing of EMs; (4) Insensitive Munitions; (5) Hazard Reduction and Safety Aspects; (6) Theoretical Modeling and Numerical Simulation for Chemical Propulsion (CP) and EM; (7) Performance Evaluation of EMs; (8) Aging, Stability, and Compatibility; (9) Recycling, Disposal, and Environmental

Aspects; (10) Test Methods and Diagnostic Techniques in CP and/or Combustion of EMs; (11) Ignition and Initiation Processes; (12) Detonation and/or Deflagration Processes; (13) Thermobarics and Thermites; (14) Innovative Rocket Propulsion Techniques; (15) Rocket Thermal Protection Materials; (16) Environmentally-Friendly "Green" Propellants; (17) Commercial Applications of EMs; and (18) Performance of Advanced Propulsion Systems.

**Body:** Group all tables, figures, and figure captions at the end of the article, following the references. Equations should be numbered sequentially. Use no more than two levels of headings. Number headings sequentially using numerals, as follows: level 1 headings 1., 2., 3., etc.; level 2 headings 1.1., 2.1., etc. For articles containing more than a few symbols, include a nomenclature list in alphabetical order, with Greek symbols (also in alphabetical order and with a separate heading) following the alphabetical listing in English. The nomenclature section should be placed after key words and before introduction. All articles must use SI units throughout; English units may be included parenthetically.

**Figures:** Prepare figures so that they do not exceed the size of the journal pages (size requirements can be obtained by emailing [journals@begellhouse.com](mailto:journals@begellhouse.com)). Use only Arial and Symbol fonts for text within figures. Acceptable formats for figures are TIFF, JPEG, or EPS files saved from the original application at 300-600 dpi. Because of the loss of resolution, embedding figure files in MS Word is not recommended. The preferred format is TIFF; however, maintaining a clear quality of the figures is most important. Do not use gray rules, only black. If the text is printed over gray backgrounds for any reason, the gray must be at least 50% lighter than the text. If possible, avoid greyscale entirely. In general, for best results, figures must be submitted at the highest possible quality. Figure captions should be typed, on a separate sheet. The author can submit color figures that will print in black and white, but will be in color online. Color reproduction of figures is possible at the author's expense, rates will be provided upon request.

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**Reference Format:** Cite references in the text using the last name of the author(s) and the year of publication, either as "(Doe and Johnson, 1992)" or "Doe and Johnson (1992)." For more than two authors, use "Doe et al. (1992)." If any references contain identical authors and year of publication, cite in the form "Doe et al. (1992a)." Order the reference list alphabetically and format according to the following samples. Incorrectly formatted reference lists will be returned to the author for correction before acceptance.

**Journal:** Nakayama, W. and Nakajima, T., (1982) Effects of Pore Diameters and System Pressure on Saturated Pool Nucleate Boiling Heat Transfer from Porous Surfaces, *J. Enhanced Heat Trans.*, 104(2), pp. 286–291.

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

**e-Books:** Buyevich, Yu.A. and Alexandrov, D.V. (2005) *Heat Transfer in Dispersions*, Connecticut: Begell House, Available at <http://www.edata-center.com/ebooks/b7f98f1e271b3e77a.html>/ E-Books [accessed May 5, 2005]

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

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

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

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

**Footnotes:** Footnotes should be identified in the text by superscript Arabic numerals and cited consecutively within the paper. All footnotes should be compiled on a separate sheet.

**Webpages: Nonperiodical Web Document** - Author, A. A. and Author, B. B. (Date of publication). *Title of document*. Retrieved month day, year, from <http://Web address>.

**Chapter or Section of a Web document** - Author, A. A. and Author, B. B. (Date of publication). Title of article. In Title of book or larger document (chapter or section number). Retrieved month day, year, from <http://www.someaddress.com/full/url/>.

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