

RETERM - Thermal Engineering – Notes for Authors

i) PURPOSE AND POLICY

The purpose of the RETERM - Thermal Engineering Journal is to publish papers of permanent interest dealing with research, development and design related to *Energy, Equipments, Oil and Gas*.

The journal is divided in two sections: i) Technology and ii) Science. The Technology section comprises articles that document modern engineering applications or general advances in industry. The Science section is intended for publishing articles that deal with fundamental advances in heat transfer and fluid mechanics, new physical insights, and novel experimental and analytical methods that have great appeal for the industry community.

Submission of full-length scientific, review or technical papers to RETERM implies that it is not under consideration for publication elsewhere and it has not been previously published. Exception is made for papers previously published in proceedings of conferences. Review articles should constitute a critical appraisal of published information.

The decision of acceptance for publication either for the Technology or the Science section lies with the Editors and is based on the recommendations of at least two independent referees and of the Editorial Board, if necessary.

ii) SUBMISSION

All manuscripts for RETERM must be written in clear and concise English. The submission of a manuscript may be carried out only by E-mail: The file, preferably in Word for Windows, with the full manuscript (including figures) should be sent to reterm.abcm@gmail.com or vargasjvcv@gmail.com. Other file types, such as Open Office or Latex files could be accepted, but a delay in final publication should be expected.

In the e-mail that sends the manuscript file, the authors should indicate to which journal section the paper is intended to, i.e. Technology or Science. The e-mail should also contain the full name and postal address of the corresponding author and his/her phone, fax number and e-mail address.

If the authors so wish, the names of up to five persons who could act as referees may be indicated.

The authors should retain a copy of their manuscript file since the journal cannot accept responsibility for damage or loss of paper files.

iii) MANUSCRIPT PREPARATION

The manuscript should be organized in the following order: Title, authors, affiliations, abstract, keywords (3 to 5), nomenclature, main text (divided into sections and subsections), acknowledgements, references, and appendices. The tables and captions, as well as figures and captions should be appropriately distributed into the main text.

The abstract should state the objectives, methodology and main conclusions in up to 300 words. In all papers, sufficient information should be provided in the text or by referring to papers in other journals, to permit the work to be repeated.

Manuscripts should be typed according to the template file available on the journal internet site <http://demec.ufpr.br/reterm/autos.htm>, in order to comply with RETERM's format since the very first submission. The pages should be numbered and the full length of the manuscript including tables and figures should not exceed 10 pages.

iii.1) Units and Symbols

The use of SI (metric) system is mandatory for all reported data. Temperatures should be given in °C or K. Uncertainties should be specified for experimental and numerical results.

The nomenclature section should list, in alphabetical order, all used symbols and their definitions, followed by, if applicable, Greek symbols, subscripts and superscripts. Besides, all symbols should be defined within the text.

iii.2) Mathematical Expressions

Mathematical expressions should be produced by an equation editor and should not be introduced along the text itself, as part of a sentence line, but typed on individual lines. If you are using Word for Windows, please type equations with Microsoft Equation 3.0 only.

Numbers that identify mathematical expressions should be enclosed in parentheses located at the right margin of the paragraph. Refer to equations in the text such as in "...as derived from Eq. (1)...", or, if at the beginning of a sentence, "Equation (1) indicates...".

iii.3) Figures and Tables

Photographs, charts and diagrams are all to be referred to as, for example, "Figure 1, Figures 1 and 2, or Figures 1-5" in the beginning of

a sentence, and "Fig. 1, Figs 1 and 2, or Figs. 1-5" in the middle of a sentence. The figure label should be text centered underneath the figure as, for example "Figure 1. Problem sketch.". The table labels should be text centered on top of the table as, for example "Table 1. General rate of annual mileage."

Figures should be clear and suitable for reduction (up to 50%). The amount of lettering should be reduced as much as possible by transferring it to the figure legend. Remaining lettering should be large enough to be clearly legible.

Figures and tables, with a suitable caption, should be numbered consecutively in the order in which they are referred to in the main text. Footnotes to tables should be typed below the table and should be referred to by superscript lowercase letters.

Refer to figures or tables in the text such as in "Figure 1 shows...", or, "...in Fig. 1 it is shown..."

Please note that color figures or tables cannot be printed in color. However, they will appear in color in the journal website.

iii.4) References

Cite references in the text by giving the last name of the author(s) and the year of publication: either "Recent work (Prata and Parise, 1985) has indicated..." or "Recently Prata and Parise (1985) indicated...". With three or more authors, use the form "Prata et al. (1985)...". When two or more references have the same text identification, append "a", "b", etc, to the year of publication.

Acceptable references include: journal articles, dissertations, published conference proceedings, books, accepted articles if the journal is identified, and private communications.

References cited in the text should be listed, in alphabetical order of the last name of the first author, at the end of the paper. Some sample references follow:

Kays, W. M., and London, A. L., 1964, *Compact Heat Exchangers*, McGraw-Hill Book Company. (*for books*)

Mengüç, M. P., and Dutta, P., 1994, Scattering Tomography and its Application to Sooting Diffusion Flames, *Journal of Heat Transfer*, Vol. 116, No. 1, pp. 144-151. (*for journal articles*)

Phiney, L. M., 1997, Electronic Desorption and Microstructure Adhesion Reduction Using Ultrashort-Pulse Lasers, Doctoral Thesis, University of California, Berkeley, CA. (*for theses*)

Viskanta, R., 1995, Convective Heat Transfer in Consolidated Porous Media: A Perspective, in: *Symposium on Thermal Science and Engineering in Honor of Chancellor Chang-Lin Tien*, University of California, Berkeley, pp. 43-50. (*for conference proceedings*)

iv) AFTER ACCEPTANCE

Upon notification of acceptance, authors should submit an electronic copy, preferably in Word for Windows, of the final corrected version of their paper via e-mail (reterm.abcm@gmail.com or vargasjvcv@gmail.com). The formatting of the final paper should follow the RETERM publication standard template, which may be downloaded from the journal website <http://demec.ufpr.br/reterm/autos.htm>.

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