



# INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER

## AUTHOR INFORMATION PACK

### TABLE OF CONTENTS

---

●	<b>Description</b>	<b>p.1</b>
●	<b>Audience</b>	<b>p.1</b>
●	<b>Impact Factor</b>	<b>p.1</b>
●	<b>Abstracting and Indexing</b>	<b>p.2</b>
●	<b>Editorial Board</b>	<b>p.2</b>
●	<b>Guide for Authors</b>	<b>p.4</b>



ISSN: 0735-1933

### DESCRIPTION

---

*International Communications in Heat and Mass Transfer* serves as a world forum for the rapid dissemination of new ideas, new measurement techniques, preliminary findings of ongoing investigations, discussions, and criticisms in the field of **heat** and **mass transfer**. Two types of manuscript will be considered for publication: communications (short reports of new work or discussions of work which has already been published) and summaries (abstracts of reports, theses or manuscripts which are too long for publication in full). Together with its companion publication, *International Journal of Heat and Mass Transfer*, with which it shares the same [Board of Editors](#), this journal is read by research workers and engineers throughout the world.

#### Benefits to authors

We also provide many author benefits, such as free PDFs, a liberal copyright policy, special discounts on Elsevier publications and much more. Please click here for more information on our [author services](#).

Please see our [Guide for Authors](#) for information on article submission. If you require any further information or help, please visit our support pages: <http://support.elsevier.com>

### AUDIENCE

---

Academic and industrial researchers, practicing energy engineers specialising in heat transfer and thermodynamic systems, process engineers in chemicals and related sectors.

### IMPACT FACTOR

---

2013: 2.124 © Thomson Reuters Journal Citation Reports 2014

## ABSTRACTING AND INDEXING

---

Chemical Abstracts  
Current Contents  
International Aerospace Abstracts  
MSCI  
Energy Data Base  
Energy Research Abstracts  
Engineering Index  
GEOBASE  
INSPEC  
Scopus

## EDITORIAL BOARD

---

### *Editor-in-Chief*

**W. Minkowycz**, Dept. of Mechanical Engineering, University of Illinois at Chicago, 842 West Taylor Street, Chicago, IL 60607-7022, Illinois, USA

### *Board of Editors*

**A.R. Balakrishnan**, Department of Chemical Engineering, Chennai, India

**P. Cheng**, Shanghai Jiao Tong University, Shanghai, China

**R. Greif**, University of California at Berkeley, Berkeley, California, USA

**C.P. Grigoropoulos**, University of California at Berkeley, Berkeley, California, USA

**A.I. Leontiev**

**J.W. Rose**, Queen Mary, University of London (QMUL), London, England, UK

**J. Taine**, Ecole Centrale Paris, Châtenay-Malabry, France

**B. Weigand**, Institute of Aerospace Thermodynamics, Stuttgart, Germany

**H. Yoshida**, Kyoto University, Kyoto, Japan

### *Associate Editors*

**T. Basak**, Indian Institute of Technology Madras, Chennai, India

**A. Briggs**, University of London, London, UK

**L.A. Dombrovsky**, Joint Institute for High Temperatures NCHMT, Krasnokazarmennaya 17A, 111116 Moscow, Russian Federation

**S. Maruyama**, University of Tokyo, Tokyo, Japan

**A. Soufiani**, Ecole Centrale Paris, Châtenay-Malabry, France

**W. Tao**, Xi'an Jiaotong University, Shaanxi, China

**J. von Wolfersdorf**, Universität Stuttgart, Stuttgart, Germany

### *Honorary Editorial Advisory Board*

**F. Arınc**, Middle East Technical University (METU), Ankara, Turkey

**J.P. Bardon**, ISITEM, NANTES, France

**F.J. Bayley**, University of Sussex, Falmer, Brighton, UK

**A. Bejan**, Duke University, Durham, North Carolina, USA

**A.E. Bergles**, Rensselaer Polytechnic Institute, Troy, New York, USA

**C.K. Chen**, National Cheng Kung University, Tainan City, Taiwan, ROC

**Y.I. Cho**, Drexel University, Philadelphia, Pennsylvania, USA

**M. Combarous**, ENSAM, Talence, France

**K. Cornwell**, Heriot-Watt University, EDINBURGH, UK

**R. Cotta**, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

**M. Cumo**, Università di Roma "La Sapienza", ROMA, Italy

**M.J.S. De Lemos**, Inst. Tecnológico de Aeronaut, Sao Jose dos Campos, Sao Paulo, Brazil

**J.J. Delgado Domingos**, Universidade de Lisboa (Lisbon), São João De Deus, Lisboa, Portugal

**J.M. Delhaye**, Clemson University, Clemson, South Carolina, USA

**A. Dolinsky**, Ukrainian National Academy of Sciences (NAS), Kiev, Ukraine

**R. Echigo**

**A. Faghri**, University of Connecticut, Storrs, Connecticut, USA

**Y. Fujita**, Kyushu University, FUKUOKA, Japan

**R.J. Goldstein**, University of Minnesota, Minneapolis, Minnesota, USA

**J.C. Han**, Texas A&M University, College Station, Texas, USA

**K. Hanjalic**, Delft University of Technology, Delft, Netherlands

**G.F. Hewitt**, Imperial College London, London, UK

**J.R. Howell**, University of Texas, Austin, Texas, USA

**D.B. Ingham**, University of Leeds, Leeds, UK  
**Y. Jaluria**, Rutgers University, Piscataway, New Jersey, USA  
**S. Kakac**, Middle East Technical University (METU), Ankara, Turkey  
**M. Kaviany**, University of Michigan, Ann Arbor, Michigan, USA  
**R.T. Lahey**, Rensselaer Polytechnic Institute, Troy, New York, USA  
**M. Lebouche**, LEMTA, Vandoeuvre-les-Nancy, France  
**A. Majumdar**, University of California at Berkeley, Berkeley, California, USA  
**F. Mayinger**, Technische Universität München, München, Germany  
**B.B. Mikic**, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA  
**V.E. Nakoryakov**, Russian Academy of Sciences, Novosibirsk, Russian Federation  
**R. Nigmatulin**, Russian Academy of Sciences, Ufa, Russian Federation  
**F. Ogino**, Kyoto University, Kyoto, Japan  
**R.P. Pohorecki**, Warsaw University of Technology, Warszawa, Poland  
**I. Pop**, University of Cluj, Cluj, Romania  
**D. Poulikakos**, Eidgenössische Technische Hochschule (ETH) Zürich, Zurich, Switzerland  
**U. Renz**, Institut für Wärmeübertragung, Aachen, Germany  
**J.F. Richardson**, Swansea University, Swansea, Wales, UK  
**S.T. Ro**, Seoul National University (SNU), Gwanag-Gu, Seoul, South Korea  
**W. Roetzel**  
**J.F. Sacadura**, INSA de Lyon, Villeurbanne, France  
**M. Shoji**, Kanagawa University, Yokohama, Japan  
**E.M. Sparrow**, University of Minnesota, Minneapolis, Minnesota, USA  
**K. Stephan**, Universität Stuttgart, Stuttgart, Germany  
**K. Vafai**, University of California at Riverside, Riverside, California, USA  
**M.G. Velarde**, Complutense University of Madrid, Madrid, Spain  
**R. Viskanta**, Purdue University, West Lafayette, Indiana, USA  
**D. Vortmeyer**, Technische Universität München, München, Germany  
**B.X. Wang**, Tsinghua University, Beijing, China  
**W.M. Worek**, Stony Brook University, Stony Brook, New York, USA  
**K.T. Yang**, University of Notre Dame, Notre Dame, Indiana, USA

## GUIDE FOR AUTHORS

---

### *Introduction*

*International Communications in Heat and Mass Transfer* serves as a world forum for the rapid dissemination of new ideas, new measurement techniques, preliminary findings of ongoing investigations, discussions, and criticisms in the field of heat and mass transfer. Two types of manuscript will be considered for publication: communications (short reports of new work or discussions of work which has already been published) and summaries (abstracts of reports, theses or manuscripts which are too long for publication in full). Together with its companion publication, *International Journal of Heat and Mass Transfer*, with which it shares the same Board of Editors, this journal is read by research workers and engineers throughout the world.

### *Types of paper*

Two types of manuscripts will be considered for publication in *International Communications in Heat and Mass Transfer*: (1) COMMUNICATIONS: These are either short reports of new work, or discussions of work which has already been published. Authors are asked to limit their COMMUNICATIONS to 14 pages, including diagrams. (2) SUMMARIES: These are abstracts of reports, theses, or manuscripts which are too long for publication in full. Such SUMMARIES (not more than six typewritten pages in length), will be published only if the original (full length) report is available, either from the author, or, at cost of photo reproduction, from the publisher. A SUMMARY should, therefore, be submitted with one copy of the original document, and a statement to the effect that reproduction and distribution of copies is permitted. In addition to COMMUNICATIONS and SUMMARIES, special features may be added from time to time.

### *Contact details for submission*

By Mail: Three copies of the manuscript, accompanied by a covering letter should normally be submitted to a member of the Board of Editors whose office is situated in the country of the paper's origin. The addresses are listed on the inside front cover of the journal and on the Editorial Board Information. If there is no such editor, or if special obstacles preclude to any of the above, the manuscript should be sent to the Editor-in-Chief, who will then forward it on as appropriate. The editor who communicates the paper for publication thereby accepts responsibility for its general high standard, but not for every detail of its content. Only after final acceptance a disk/CD ROM needs to be sent with the hardcopy.

## BEFORE YOU BEGIN

### **Ethics in publishing**

For information on Ethics in publishing and Ethical guidelines for journal publication see <http://www.elsevier.com/publishingethics> and <http://www.elsevier.com/journal-authors/ethics>.

### **Conflict of interest**

All authors are requested to disclose any actual or potential conflict of interest including any financial, personal or other relationships with other people or organizations within three years of beginning the submitted work that could inappropriately influence, or be perceived to influence, their work. See also <http://www.elsevier.com/conflictsofinterest>. Further information and an example of a Conflict of Interest form can be found at: [http://help.elsevier.com/app/answers/detail/a\\_id/286/p/7923](http://help.elsevier.com/app/answers/detail/a_id/286/p/7923).

### **Submission declaration**

Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis or as an electronic preprint, see <http://www.elsevier.com/postingpolicy>), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere including electronically in the same form, in English or in any other language, without the written consent of the copyright-holder.

### **Changes to authorship**

This policy concerns the addition, deletion, or rearrangement of author names in the authorship of accepted manuscripts:

*Before the accepted manuscript is published in an online issue:* Requests to add or remove an author, or to rearrange the author names, must be sent to the Journal Manager from the corresponding author of the accepted manuscript and must include: (a) the reason the name should be added or removed, or the author names rearranged and (b) written confirmation (e-mail, fax, letter) from all authors that

they agree with the addition, removal or rearrangement. In the case of addition or removal of authors, this includes confirmation from the author being added or removed. Requests that are not sent by the corresponding author will be forwarded by the Journal Manager to the corresponding author, who must follow the procedure as described above. Note that: (1) Journal Managers will inform the Journal Editors of any such requests and (2) publication of the accepted manuscript in an online issue is suspended until authorship has been agreed.

*After the accepted manuscript is published in an online issue:* Any requests to add, delete, or rearrange author names in an article published in an online issue will follow the same policies as noted above and result in a corrigendum.

### **Copyright**

This journal offers authors a choice in publishing their research: Open access and Subscription.

#### *For subscription articles*

Upon acceptance of an article, authors will be asked to complete a 'Journal Publishing Agreement' (for more information on this and copyright, see <http://www.elsevier.com/copyright>). An e-mail will be sent to the corresponding author confirming receipt of the manuscript together with a 'Journal Publishing Agreement' form or a link to the online version of this agreement.

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution and for all other derivative works, including compilations and translations (please consult <http://www.elsevier.com/permissions>). If excerpts from other copyrighted works are included, the author(s) must obtain written permission from the copyright owners and credit the source(s) in the article. Elsevier has preprinted forms for use by authors in these cases: please consult <http://www.elsevier.com/permissions>.

#### *For open access articles*

Upon acceptance of an article, authors will be asked to complete an 'Exclusive License Agreement' (for more information see <http://www.elsevier.com/OAauthoragreement>). Permitted reuse of open access articles is determined by the author's choice of user license (see <http://www.elsevier.com/openaccesslicenses>).

### **Retained author rights**

As an author you (or your employer or institution) retain certain rights. For more information on author rights for:

Subscription articles please see <http://www.elsevier.com/journal-authors/author-rights-and-responsibilities>.

Open access articles please see <http://www.elsevier.com/OAauthoragreement>.

### **Role of the funding source**

You are requested to identify who provided financial support for the conduct of the research and/or preparation of the article and to briefly describe the role of the sponsor(s), if any, in study design; in the collection, analysis and interpretation of data; in the writing of the report; and in the decision to submit the article for publication. If the funding source(s) had no such involvement then this should be stated.

### **Funding body agreements and policies**

Elsevier has established agreements and developed policies to allow authors whose articles appear in journals published by Elsevier, to comply with potential manuscript archiving requirements as specified as conditions of their grant awards. To learn more about existing agreements and policies please visit <http://www.elsevier.com/fundingbodies>.

### **Open access**

This journal offers authors a choice in publishing their research:

#### **Open access**

- Articles are freely available to both subscribers and the wider public with permitted reuse
- An open access publication fee is payable by authors or their research funder

#### **Subscription**

- Articles are made available to subscribers as well as developing countries and patient groups through our access programs (<http://www.elsevier.com/access>)
- No open access publication fee

All articles published open access will be immediately and permanently free for everyone to read and download. Permitted reuse is defined by your choice of one of the following Creative Commons user licenses:

**Creative Commons Attribution (CC BY):** lets others distribute and copy the article, to create extracts, abstracts, and other revised versions, adaptations or derivative works of or from an article (such as a translation), to include in a collective work (such as an anthology), to text or data mine the article, even for commercial purposes, as long as they credit the author(s), do not represent the author as endorsing their adaptation of the article, and do not modify the article in such a way as to damage the author's honor or reputation.

**Creative Commons Attribution-NonCommercial-ShareAlike (CC BY-NC-SA):** for non-commercial purposes, lets others distribute and copy the article, to create extracts, abstracts and other revised versions, adaptations or derivative works of or from an article (such as a translation), to include in a collective work (such as an anthology), to text and data mine the article, as long as they credit the author(s), do not represent the author as endorsing their adaptation of the article, do not modify the article in such a way as to damage the author's honor or reputation, and license their new adaptations or creations under identical terms (CC BY-NC-SA).

**Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND):** for non-commercial purposes, lets others distribute and copy the article, and to include in a collective work (such as an anthology), as long as they credit the author(s) and provided they do not alter or modify the article.

To provide open access, this journal has a publication fee which needs to be met by the authors or their research funders for each article published open access.

Your publication choice will have no effect on the peer review process or acceptance of submitted articles.

The open access publication fee for this journal is **\$2500**, excluding taxes. Learn more about Elsevier's pricing policy: <http://www.elsevier.com/openaccesspricing>.

### **Language (usage and editing services)**

Please write your text in good English (American or British usage is accepted, but not a mixture of these). Authors who feel their English language manuscript may require editing to eliminate possible grammatical or spelling errors and to conform to correct scientific English may wish to use the English Language Editing service available from Elsevier's WebShop (<http://webshop.elsevier.com/languageediting/>) or visit our customer support site (<http://support.elsevier.com>) for more information.

### **Submission**

By Mail: Three copies of the manuscript, accompanied by a covering letter should normally be submitted to a member of the Board of Editors whose office is situated in the country of the paper's origin.

### **Submit your article**

The addresses are listed on the inside front cover of the journal and on the Editorial Board Information. If there is no such editor, or if special obstacles preclude to any of the above, the manuscript should be sent to the Editor-in-Chief, who will then forward it on as appropriate. The editor who communicates the paper for publication thereby accepts responsibility for its general high standard, but not for every detail of its content. Only after final acceptance a disk/CD ROM needs to be sent with the hardcopy.

### **Referees**

Please submit the names and institutional e-mail addresses of several potential referees. For more details, visit our [Support site](#). Note that the editor retains the sole right to decide whether or not the suggested reviewers are used.

## **PREPARATION**

### **Use of word processing software**

It is important that the file be saved in the native format of the word processor used. The text should be in single-column format. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the word processor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns.



The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Guide to Publishing with Elsevier: <http://www.elsevier.com/guidepublication>). Note that source files of figures, tables and text graphics will be required whether or not you embed your figures in the text. See also the section on Electronic artwork.

To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

## LaTeX

You are recommended to use the Elsevier article class *elsarticle.cls* (<http://www.ctan.org/tex-archive/macros/latex/contrib/elsarticle>) to prepare your manuscript and BibTeX (<http://www.bibtex.org>) to generate your bibliography.

For detailed submission instructions, templates and other information on LaTeX, see <http://www.elsevier.com/latex>.

## Article structure

### *Subdivision - numbered sections*

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

### *Introduction*

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

### *Material and methods*

Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.

### *Results*

Results should be clear and concise.

### *Discussion*

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

### *Conclusions*

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

## Essential title page information

- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
- **Author names and affiliations.** Where the family name may be ambiguous (e.g., a double name), please indicate this clearly. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.
- **Corresponding author.** Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication. **Ensure that phone numbers (with country and area code) are provided in addition to the e-mail address and the complete postal address. Contact details must be kept up to date by the corresponding author.**
- **Present/permanent address.** If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

## Abstract

A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

### **Graphical abstract**

Although a graphical abstract is optional, its use is encouraged as it draws more attention to the online article. The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership. Graphical abstracts should be submitted as a separate file in the online submission system. Image size: Please provide an image with a minimum of 531 × 1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5 × 13 cm using a regular screen resolution of 96 dpi. Preferred file types: TIFF, EPS, PDF or MS Office files. See <http://www.elsevier.com/graphicalabstracts> for examples.

Authors can make use of Elsevier's Illustration and Enhancement service to ensure the best presentation of their images and in accordance with all technical requirements: [Illustration Service](#).

### **Highlights**

Highlights are a short collection of bullet points that convey the core findings of the article. Highlights are optional and should be submitted in a separate editable file in the online submission system. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point). See <http://www.elsevier.com/highlights> for examples.

### **Keywords**

Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

### **Abbreviations**

Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

### **Acknowledgements**

Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

### **Units**

Follow internationally accepted rules and conventions: use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

### **Math formulae**

Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

### **Footnotes**

Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors can build footnotes into the text, and this feature may be used. Otherwise, please indicate the position of footnotes in the text and list the footnotes themselves separately at the end of the article. Do not include footnotes in the Reference list.

### **Artwork**

#### *Electronic artwork*

#### *General points*

- Make sure you use uniform lettering and sizing of your original artwork.
- Embed the used fonts if the application provides that option.
- Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
- Number the illustrations according to their sequence in the text.
- Use a logical naming convention for your artwork files.
- Provide captions to illustrations separately.
- Size the illustrations close to the desired dimensions of the printed version.
- Submit each illustration as a separate file.

A detailed guide on electronic artwork is available on our website:



<http://www.elsevier.com/artworkinstructions>

**You are urged to visit this site; some excerpts from the detailed information are given here.**

#### *Formats*

If your electronic artwork is created in a Microsoft Office application (Word, PowerPoint, Excel) then please supply 'as is' in the native document format.

Regardless of the application used other than Microsoft Office, when your electronic artwork is finalized, please 'Save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):

EPS (or PDF): Vector drawings, embed all used fonts.

TIFF (or JPEG): Color or grayscale photographs (halftones), keep to a minimum of 300 dpi.

TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.

TIFF (or JPEG): Combinations bitmapped line/half-tone (color or grayscale), keep to a minimum of 500 dpi.

#### **Please do not:**

- Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); these typically have a low number of pixels and limited set of colors;
- Supply files that are too low in resolution;
- Submit graphics that are disproportionately large for the content.

#### *Color artwork*

Please make sure that artwork files are in an acceptable format (TIFF (or JPEG), EPS (or PDF), or MS Office files) and with the correct resolution. If, together with your accepted article, you submit usable color figures then Elsevier will ensure, at no additional charge, that these figures will appear in color online (e.g., ScienceDirect and other sites) regardless of whether or not these illustrations are reproduced in color in the printed version. **For color reproduction in print, you will receive information regarding the costs from Elsevier after receipt of your accepted article.** Please indicate your preference for color: in print or online only. For further information on the preparation of electronic artwork, please see <http://www.elsevier.com/artworkinstructions>.

Please note: Because of technical complications that can arise by converting color figures to 'gray scale' (for the printed version should you not opt for color in print) please submit in addition usable black and white versions of all the color illustrations.

#### *Figure captions*

Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (**not** on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

#### **Tables**

Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules.

#### *References*

All publications cited in the text should be presented in a list of references following the text of the manuscript. In the text make references using a number in square brackets on the line (e.g. "Since Petersen [1] has shown?") and the full reference should be given in a numerical list at the end of the paper.

References should be styled and punctuated according to the following examples: journal article [1]; journal supplement [2]; book [3]; edited book [4], thesis [5]; unpublished report [6]; published report [7]; proceedings [8], and patent [9].

[1] Q.S. Liu, B. Roux, M.G. Velarde, Thermocapillary convection in two-layer systems, *International Journal of Heat and Mass Transfer* 41 (11) (1998) 1499-1511.

[2] E.R.G. Eckert, H.H. Cho, Transition from transpiration to film cooling, *International Journal of Heat and Mass Transfer* 37 (suppl. 1) (1994) 3-8.

[3] A. Bejan, *Convection Heat Transfer*, second ed., Wiley, New York, 1995, pp. 62-75.

[4] M. Kaviany, Heat transfer in porous media, in: W.M. Rohsenow, J.P. Hartnett, Y.I. Cho (Eds.), *Handbook of Heat Transfer*, McGraw-Hill, New York, 1998, pp. 9.32-9.43.

[5] W.-T. Yang, Two-phase swirl flow, PhD thesis, University of Illinois, Chicago, IL, 1997.

[6] S.P. Vanka, Efficient computation of viscous internal flows, SBIR Phase-I Report, NAS3-25573, Propulsion Research Associates, Westmont, IL, August 1989.

[7] J. Davids, D. Smith, Analysis of constant-velocity joints under high torque, HMSO, London, 1996, pp. 1-8.

[8] V.P. Carey, Modeling of microscale transport in multiphase systems, in: J.S. Lee (Ed.), Proceedings of the Eleventh Heat Transfer Conference, Taylor & Francis, Philadelphia, PA, 1998, pp. 23-40.

[9] T. Burns, US Patent No. 358498, 1995. Always give inclusive page numbers for references to journal articles and a page or chapter number for books. Each reference must be cited in the text.

#### *Web references*

As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

#### **Video data**

Elsevier accepts video material and animation sequences to support and enhance your scientific research. Authors who have video or animation files that they wish to submit with their article are strongly encouraged to include links to these within the body of the article. This can be done in the same way as a figure or table by referring to the video or animation content and noting in the body text where it should be placed. All submitted files should be properly labeled so that they directly relate to the video file's content. In order to ensure that your video or animation material is directly usable, please provide the files in one of our recommended file formats with a preferred maximum size of 50 MB. Video and animation files supplied will be published online in the electronic version of your article in Elsevier Web products, including ScienceDirect: <http://www.sciencedirect.com>. Please supply 'stills' with your files: you can choose any frame from the video or animation or make a separate image. These will be used instead of standard icons and will personalize the link to your video data. For more detailed instructions please visit our video instruction pages at <http://www.elsevier.com/artworkinstructions>. Note: since video and animation cannot be embedded in the print version of the journal, please provide text for both the electronic and the print version for the portions of the article that refer to this content.

#### **AudioSlides**

The journal encourages authors to create an AudioSlides presentation with their published article. AudioSlides are brief, webinar-style presentations that are shown next to the online article on ScienceDirect. This gives authors the opportunity to summarize their research in their own words and to help readers understand what the paper is about. More information and examples are available at <http://www.elsevier.com/audioslides>. Authors of this journal will automatically receive an invitation e-mail to create an AudioSlides presentation after acceptance of their paper.

#### **Supplementary data**

Elsevier accepts electronic supplementary material to support and enhance your scientific research. Supplementary files offer the author additional possibilities to publish supporting applications, high-resolution images, background datasets, sound clips and more. Supplementary files supplied will be published online alongside the electronic version of your article in Elsevier Web products, including ScienceDirect: <http://www.sciencedirect.com>. In order to ensure that your submitted material is directly usable, please provide the data in one of our recommended file formats. Authors should submit the material in electronic format together with the article and supply a concise and descriptive caption for each file. For more detailed instructions please visit our artwork instruction pages at <http://www.elsevier.com/artworkinstructions>.

#### **Submission checklist**

The following list will be useful during the final checking of an article prior to sending it to the journal for review. Please consult this Guide for Authors for further details of any item.

##### **Ensure that the following items are present:**

One author has been designated as the corresponding author with contact details:

- E-mail address
- Full postal address
- Phone numbers

All necessary files have been uploaded, and contain:

- Keywords
- All figure captions
- All tables (including title, description, footnotes)

Further considerations

- Manuscript has been 'spell-checked' and 'grammar-checked'
- References are in the correct format for this journal
- All references mentioned in the Reference list are cited in the text, and vice versa
- Permission has been obtained for use of copyrighted material from other sources (including the Internet)

Printed version of figures (if applicable) in color or black-and-white

- Indicate clearly whether or not color or black-and-white in print is required.
- For reproduction in black-and-white, please supply black-and-white versions of the figures for printing purposes.

For any further information please visit our customer support site at <http://support.elsevier.com>.

## **AFTER ACCEPTANCE**

### ***Use of the Digital Object Identifier***

The Digital Object Identifier (DOI) may be used to cite and link to electronic documents. The DOI consists of a unique alpha-numeric character string which is assigned to a document by the publisher upon the initial electronic publication. The assigned DOI never changes. Therefore, it is an ideal medium for citing a document, particularly 'Articles in press' because they have not yet received their full bibliographic information. Example of a correctly given DOI (in URL format; here an article in the journal *Physics Letters B*):

<http://dx.doi.org/10.1016/j.physletb.2010.09.059>

When you use a DOI to create links to documents on the web, the DOIs are guaranteed never to change.

### ***Online proof correction***

Corresponding authors will receive an e-mail with a link to our online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, you can also comment on figures/tables and answer questions from the Copy Editor. Web-based proofing provides a faster and less error-prone process by allowing you to directly type your corrections, eliminating the potential introduction of errors.

If preferred, you can still choose to annotate and upload your edits on the PDF version. All instructions for proofing will be given in the e-mail we send to authors, including alternative methods to the online version and PDF.

We will do everything possible to get your article published quickly and accurately. Please use this proof only for checking the typesetting, editing, completeness and correctness of the text, tables and figures. Significant changes to the article as accepted for publication will only be considered at this stage with permission from the Editor. It is important to ensure that all corrections are sent back to us in one communication. Please check carefully before replying, as inclusion of any subsequent corrections cannot be guaranteed. Proofreading is solely your responsibility.

### ***Offprints***

The corresponding author, at no cost, will be provided with a personalized link providing 50 days free access to the final published version of the article on [ScienceDirect](http://www.sciencedirect.com). This link can also be used for sharing via email and social networks. For an extra charge, paper offprints can be ordered via the offprint order form which is sent once the article is accepted for publication. Both corresponding and co-authors may order offprints at any time via Elsevier's WebShop (<http://webshop.elsevier.com/myarticleservices/offprints>). Authors requiring printed copies of multiple articles may use Elsevier WebShop's 'Create Your Own Book' service to collate multiple articles within a single cover (<http://webshop.elsevier.com/myarticleservices/booklets>).

## **AUTHOR INQUIRIES**

You can track your submitted article at [http://help.elsevier.com/app/answers/detail/a\\_id/89/p/8045/](http://help.elsevier.com/app/answers/detail/a_id/89/p/8045/). You can track your accepted article at <http://www.elsevier.com/trackarticle>. You are also welcome to contact Customer Support via <http://support.elsevier.com>.

© Copyright 2014 Elsevier | <http://www.elsevier.com>