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DESCRIPTION

Updated Aims and Scope, 1 November 2017

The *International Journal of Thermal Sciences* is devoted to the publication of original research papers concerned with fundamental studies on the physics of processes involving **heat transfer** and their coupling with mass transfer and/or fluid flow. The journal especially welcomes papers aiming at a better understanding of the coupling of local mechanisms and their interactions in larger scale systems.

Papers submitted for publication may contain either experimental results, numerical simulations or discussions of models, and must present a significant scientific contribution.

The fundamental subjects considered within the scope of the journal are:

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- Forced, natural or mixed convection in reactive or non-reactive media
- Single or multi-phase fluid flow with or without phase change
- Near-and far-field radiative heat transfer
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- Numerical simulations without a thorough validation of the code and convergence study,
- Numerical results using commercial CFD codes, unless new insights into the physics of the process are presented,
- Experimental reports without uncertainty analysis or presenting results without error margins,
- Experimental or numerical studies which do not provide a physical interpretation of the observed behavior,
- Studies presenting the global performance of industrial systems,
- Papers on the characterization of materials,
 - o Statistical techniques describing the process as a black box.

Articles can be submitted in English or French. Before submitting a Review Article, the main author should contact one of the Editors-in-Chief.

AUDIENCE

Research Workers and Engineers Involved in Thermal Sciences.

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INTRODUCTION

The *International Journal of Thermal Sciences* is a journal devoted to the publication of *fundamental studies* on the physics of transfer processes in general, with emphasis on thermal aspects and also *applied research* on various processes, energy systems and the environment.

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[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

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