



# NUCLEAR ENGINEERING AND DESIGN

An International Journal devoted to all aspects of Nuclear Fission Energy

## AUTHOR INFORMATION PACK

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### DESCRIPTION

**Nuclear Engineering and Design** covers the wide range of disciplines involved in the **engineering, design, safety and construction** of **nuclear fission reactors**. The **Editors** welcome papers both on applied and innovative aspects and developments in **nuclear science and technology**.

Fundamentals of Reactor Design include:

- Thermal-Hydraulics and Core Physics
- Safety Analysis, Risk Assessment (PSA)
- Structural and Mechanical Engineering
- Materials Science
- Fuel Behavior and Design
- Structural Plant Design
- Engineering of Reactor Components
- Experiments

Aspects beyond fundamentals of Reactor Design covered:

- Accident Mitigation Measures
- Reactor Control Systems
- Licensing Issues
- Safeguard Engineering
- Economy of Plants
- Reprocessing / Waste Disposal
- Applications of Nuclear Energy
- Maintenance
- Decommissioning

Papers on new reactor ideas and developments (Generation IV reactors) such as inherently safe modular HTRs, High Performance LWRs/HWRs and LMFBRs/GFR will be considered; Actinide Burners, Accelerator Driven Systems, Energy Amplifiers and other special designs of power and research reactors and their applications are also encouraged.

### AUDIENCE

Civil, mechanical and structural engineers working in the fission field; reactor designers.

## IMPACT FACTOR

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## ABSTRACTING AND INDEXING

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Applied Mechanics Reviews  
Biological Sciences  
Cambridge Scientific Abstracts  
Ceramic Abstracts  
Chemical Abstracts  
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# GUIDE FOR AUTHORS

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## INTRODUCTION

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Affiliated with the European Nuclear Society (ENS) and with the International Association for Structural Mechanics in Reactor Technology, e.v. (IASMiRT).

*Types of article*

### Peer review:

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- Technical notes. No page length restriction, subject to referee comments.

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- Journal policies detailed in this guide have been reviewed
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Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2010. The art of writing a scientific article. *J. Sci. Commun.* 163, 51–59.

Reference to a book:

Strunk Jr., W., White, E.B., 2000. *The Elements of Style*, fourth ed. Longman, New York.

Reference to a chapter in an edited book:

Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith, R.Z. (Eds.), *Introduction to the Electronic Age*. E-Publishing Inc., New York, pp. 281–304.

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Cancer Research UK, 1975. Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/> (accessed 13.03.03).

Reference to a dataset:

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