NUCLEAR ENGINEERING AND DESIGN
An International Journal devoted to all aspects of Nuclear Fission Energy

TABLE OF CONTENTS

- Description p.1
- Audience p.1
- Impact Factor p.2
- Abstracting and Indexing p.2
- Editorial Board p.2
- Guide for Authors p.4

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 LMFBs/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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