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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
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- Structural and Mechanical Engineering
- Materials Science
- Fuel Behavior and Design
- Structural Plant Design
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- 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**

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