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

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.

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