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Editorial

Natural Circulation in Nuclear Reactor S

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It gives us great pleasure to bring out this special issue on "Nat assumes special significance in the context of present energy tec about 15% of total world electricity. However, public concern a sociopolitical constraints on its use in some countries. Now a world which is caused mainly by the following factors: (a) progressively rooted concern about global warming, (c) increasing oil price, at factors are leading to rising expectations for nuclear energy for the

For the sustenance of this renewed interest, besides fuel resource, leading to the development of advanced reactor designs as well a these advanced reactors and fuel cycle concepts are addressing, high level of safety, waste disposal, environmental effects and prol

An important feature of several advanced reactors designs is the conference on "The Safety of Nuclear Power: Strategy for the F new plants "the use of passive safety features is a desirable me reliability of the performance of essential safety functions and should designers select active safety systems, passive safety systems, safety functions with sufficient reliability, and the impact on plant incorporated in advanced reactors employ natural circulation a importance of natural circulation in nuclear reactor design

By definition, natural circulation is a process in which the fluid more source of energy is required. However, the driving head for natural changes in operating conditions. Sometimes the flow is not fully dethese have led to the need of thoroughly understanding the phacirculation systems. This has necessitated dissemination of know special issue is a timely and very effective step in this direction.

The papers in this issue cover most of the important aspects of n experimental investigations, development of performance evalual lastly reliability of natural circulation systems.

This issue has been a modest effort to bring to the readers an designers. We are sure that the readers of this issue will find tl explore further in this area.

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