



ESREL2020PSAM15

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CALL FOR ABSTRACTS

Special session on *Reliability of passive systems in nuclear power plants - Perspectives and Challenges*

Motivation: Passive systems are adopted in nuclear power plants since the beginning. The Chernobyl and the Fukushima Dai-Ichi events determine an increase of interest in accident mitigation strategy based on the use of passive systems. Along the last decades, new passive system concepts have been designed and nowadays are more and more considered among the features desired in future advanced plants. This implies the need to proof that adoption of passive systems result in improved safety of the plant. This proposal is supported by the big number of activities launched in several nationals and internationals frameworks.

Objective: To give an insight on the status of reliability studies concerning the application passive safety systems in nuclear power plants, papers are envisaged on the following topics [not exhaustive list]: 1) Status of activities performed in different national and international frameworks; 2) Methods for the simulation of the response of passive systems and their applications; 3) Methods for the assessment of passive systems and their application; 4) Design, safety and operability of passive safety systems; 5) Licensing aspects related to passive safety systems.

Please submit your abstract by November 10, 2019

Please submit your abstract through the conference website, www.esrel2020-psam15.org/authors.html. In step 1 of the submission procedure, select “*Reliability of passive systems in nuclear power plants - Perspectives and Challenges*” as conference track. Also, please send a copy of the abstract by email to the special session organizers.

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