



## *ESREL2020PSAM15*

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### **CALL FOR ABSTRACTS**

## **Special session on** *Use of Probabilistic methods in Sustaining the Existing Light Water Reactor Fleet*

#### **Description**

This session will include research leads from the U.S. Department of Energy-sponsored Light Water Reactor Sustainability (LWRS) Program. Presentations will focus on how the LWRS Program is employing probabilistic and other methods in their research to sustain and enable the continued safe and economic operation of the existing U.S. light water reactor fleet. Presentations will include an overview of the LWRS Program, and highlights from key areas of the program including Plant Modernization, Risk Informed Systems Analysis, and Physical Security.

#### **Motivation**

As the fleet of light water reactors continue to operate, they face a number of challenges to their long term sustainability as power generation assets that are being addressed through collaborative research and development partnerships between private and public organizations. This session will explore and discuss the approaches being taken and how industry and other stakeholders, working together with government-sponsored research institutes are collaborating to address these challenges. Special emphasis will be placed on research and development activities, especially the use of probabilistic methods in these projects.

#### **Objective**

The objective of this special session is to provide participants with information on the purpose of the DOE-sponsored LWRS program, the main R&D elements that establish its focus, and the projects that are being carried out through private-public partnerships with industry and other stakeholders to support the continued operation of the existing U.S. light water reactor fleet.



**Please submit your abstract by November 10, 2019**

Please submit your abstract through the conference website, [www.esrel2020-psam15.org/authors.html](http://www.esrel2020-psam15.org/authors.html). In step 1 of the submission procedure, select “**Use of Probabilistic methods in Sustaining the Existing Light Water Reactor Fleet**” as conference track. Also, please send a copy of the abstract by email to the special session organizers.

**Organizer(s)**

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