4th International Symposium on Probabilistic Methodologies for Nuclear Applications

November 1-3, 2022, Leicester, UK

Rolls-Royce is pleased to host the **4th International Symposium on Probabilistic Methodologies for Nuclear Applications (ISPMNA) on November 1-3, 2022, at the Leicester University Space Park (92 Corporation Rd, Leicester, LE4 5SP UK)**

Since 2013, the Symposium offers a platform for the nuclear industry and regulators to exchange and discuss on the use of probabilistic methods to enhance and complement traditional deterministic regulatory approaches, with the goal of developing more realistic and less overly conservative methodologies.

The organizers are soliciting presentations related to the state-of-the-art developments of probabilistic methodologies in nuclear industry applications. Around 30 presentations and up to two open panel discussions will be scheduled over the course of the three days. The topics of discussions include (but are not limited to):

- Probabilistic fracture mechanics
- Probabilistic fracture protection
- Probabilistic Leak Before Break (LBB)
- Uncertainty and Sensitivity Analysis
- Development of Input Parameter Distributions
- Risk-Informed assessments
- Development of probabilistic modelling software

The different topics will be discussed in the context of applications in the nuclear industry. The industry perspective, regulatory context, and the academic quality and feasibility of the proposed methods will be discussed.

Participants can register through the website (http://www.emc-sq.com/ispmna_main/). Authors interested in contributing can submit an abstract (up to 400 words) once registered via the website, using the available template form, no later than July 1st 2022.

Specific instructions for the format of the extended summaries and templates will be available on the website. Presentations are expected to be 20 minutes long, followed by 10 minutes of questions and comments.

Image courtesy of M Martin