

Workshop proposal on Dynamic Probabilistic Safety Assessment (a half day)

Time and date: 13:00-18:00 November 17, 2026 (in association with ASRAM2026)

Background

Dynamic methodologies for probabilistic safety assessment (PSA) and risk assessment have been a focus of research since few decades. Several DPSPA workshops have been held in the past to discuss methods and tools and applications of DPSPA in nuclear industry. The last DPSPA workshop was held at US NRC at 2023 particularly focused on the potential role of DPSPA in Risk-Informed Decision Making.

Objective

This workshop aims to provide practitioners with an additional platform for technical sessions. Furthermore, by sharing updates on ongoing research status, participants could offer valuable input for the DPSPA task that will be carried out as an international collaborative project under the OECD/NEA Working Group on Risk Assessment (WGRISK).

Topics of the Workshop

- Applications of dynamic PSA: application areas, case studies, benchmark problems
- Practical aspects of dynamic PSA: methods, tools, data, quality assurance, organizational challenges, training
- DPSPA to support decision making : regulatory perspective on DPSPA, dynamic risk importance measures, DPSPA result postprocessing and presentation, integration between DPSPA and traditional PSA

Expected participants:

Researchers on PSA (PRA), HRA, others (approx. 30)

Workshop organizer:

- Dr. Jinkyun Park, KAERI, Korea (kshpjk@kaeri.re.kr)
- Dr. Valentin RYCHKOV EDF R&D France (valentin.rychkov@edf.fr)
- Dr. Claudia Picoco EDF R&D France (Claudia.picoco@edf.fr)

Registration is complimentary. To sign up, please contact Dr. Jinkyun Park with the following information.

- Name
- Affiliation
- Email address