



First announcement

Řež, July 22, 2016

European workshop on

Coolant Quality Control, Physico-Chemistry & Dosimetry in Fast Reactors

ÚJV Řež, a. s., October 5-7, 2016



Workshop Committee

This workshop (W6) is jointly organized in the frame of FP7 ESNII+ WP5 by CEA & ÚJV Řež, a. s.:

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Objectives of the Workshop

The Workshop is dedicated to topics covering coolant chemistry & purification methods, transport & removal of activity and management of effluents in the 4th Generation ESNII fast reactor demonstrators cooled with liquid metals (sodium, lead, lead-bismuth) and helium.

General context

The 4th Generation ESNII fast reactor demonstrators represent an important cornerstone on the way to the corresponding commercial reactors. Design, safe operation and future decommissioning of Fast Reactors involve the necessity to master the coolant & effluents with regards to the related technologies. This workshop will involve courses focused on coolant physico-chemistry and dosimetry, addressing in particular the issues contributing to the safety assessment of the Fast Reactors. A review of the operational feedback of operation, focused on coolant and effluents, will possibly also be presented.

To whom it is addressed

The Workshop will provide a platform for discussions and exchange ideas between students, young professionals and specialists involved in R&D or design activities. Participants from regulatory authorities, as well as from their scientific and technical support organizations, research institutes and consulting companies are welcome. The Workshop language will be English.

Topics

The following specific topics will be addressed:

- coolant quality control
- cover gas quality control for LMFRs
- effluents and wastes management for all Fast Reactors.
- tritium production, inventory and release control
- corrosion and mass transfer in the primary circuit of LMFRs; impact on dosimetry
- pin rupture: cesium behavior and trapping in LMFR
- cleaning and decontamination processes; risk assessment
- operational feedback from reactors or relevant nuclear systems...

Venue

ÚJV Řež, a. s., Division of Safety and Reliability
Conference meeting room
Hlavní 130, Řež,
250 68 Husinec, Czech Republic

Fees

The workshop is free of charge for all participants.

Contact information & Registration

To apply for registration, fill the registration form before **August 31 2016**.

Questions related to the Workshop should be addressed to the Workshop Committee members.

Accommodation

ÚJV Řež is located at station „Řež“ cca 18 km north of Prague from the Masarykovo railway station (departure at 7:41, 8:41h to Řež, travel time cca 25 min).

For hotels in Prague, please, consult e.g. www.booking.com or www.tripadvisor.cz.