Call for Papers

This conference is meant to include research reactors of all powers and critical and sub-critical facilities.

The RRFM 2020 Programme Committee is calling for both oral and poster presentations regarding:

- **Research reactor nuclear fuel cycle from front-end to back-end** - conversion to LEU fuels; fissile material supply; fresh fuel and targets: origin, fuel development, qualification, fabrication; in-core fuel management and safety; fuel transportation; fuel and reactor licensing; fuel back-end management including reprocessing, spent fuel storage, corrosion and degradation; fuel cycle economics.

- **Utilisation of research reactors** – capacity building; E&T programmes; nuclear science and technology including support for nuclear power programmes; neutron beam applications; industrial and medical applications, including radio-isotopes production and irradiation/transmutation technology; strategic and business plans; networks and coalitions.

- **Innovative methods in reactor physics and thermo-hydraulics** – development and application of advanced computational methods and tools for core load management (operational and safety analysis, and fuel cycle physics); benchmark exercises; nuclear data improvements.

- **New research reactor projects** - national/regional plans or construction updates of new research reactors; lessons learned from new research reactor projects – design, construction and start of operation; development of national infrastructures; design for decommissioning.

- **Research reactor operation & maintenance and ageing management** – managing reliability issues (commissioning, early operation to end of life related issues); ageing management, modernization, refurbishment, long term operation and life-time extension; maintenance management systems; human resource development and training programmes.

- **Research reactor safety and security** - implementation of updated international safety and security standards; application of graded approach to regulatory safety and security requirements; review of national regulatory requirements on safety and of licensing activities; design review and upgrades including associated facilities (spent fuel storage facilities); safety analysis methods and approaches; safety of experiments and experimental devices; safety upgrades based on the safety assessments following the Fukushima Daiichi accident; management of the interface between nuclear safety and security; cyber security issues; review of emergency and contingency plans;

- **Decommissioning and dismantling of research reactors and waste management** – strategies and concepts; radiological characterisation; decommissioning planning; economics and cost estimation; licensing; backend solutions for reflector and shielding materials; decontamination and measures to
reduce radiation exposure; radiation and environmental protection; treatment, storage and disposal of radioactive waste; logistics and transportation; on-going projects; D&D lessons learned.

Mark your diaries and be a part of it!
Upload your abstracts before 23 November 2019.

Authors should submit their abstract text in English through the Abstract Submission System on https://oass.euronuclear.org/RRFM2020 by:
23 November 2019
Full paper submission deadline:
16 February 2020

Abstract review

The abstracts received will be peer reviewed under the auspices of the RRFM 2020 Programme Committee. Authors will be notified of paper acceptance by 20 December 2019.

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