

Call for Papers

The RRFM 2015 Programme Committee is calling for both oral and poster presentations regarding

- **All key areas of the nuclear fuel cycle of research reactors** - conversion to LEU fuels; fissile material supply; fresh fuel and targets: origin and status, qualification, fabrication; technical aspects of fuel in-core management and safety; fresh and spent fuel transportation; fuel and reactor licensing; spent fuel storage, corrosion and degradation; fuel back-end management including reprocessing.
- **Utilisation of research reactors** - nuclear science and technology including support for nuclear power programmes, education and training, industrial and medical applications; research reactor networks and coalitions, strategic and business plans and other activities to improve the research reactor utilisation and sustainability.
- **Innovative methods in reactor physics and thermo-hydraulics** - development and application of advanced computational methods and tools for core load management (including burn-up calculation), operational and safety analysis, and fuel cycle physics; benchmark exercises; nuclear data improvements.
- **New research reactor projects** - planned and ongoing new research reactors projects; lessons learned from building and operating new research reactors; role of research reactors in developing nuclear competence to implement nuclear power programmes; research reactor projects to meet future demand for radioisotopes; development of national infrastructure necessary to implement new research reactor projects, including inter alia organization and management, uses and applications, stakeholder involvement, nuclear safety and security and human resources development.
- **Research reactor operation and maintenance** - managing issues at either end of the facility 'bathtub curve' (commissioning, early operation and end of life/ageing related issues); refurbishment, long term operation and life-time extension; maintenance assessments and risk informed maintenance programmes; management systems; configuration management; procedure utilisation; communications and work control; design review and control; human resource development and training programmes; regulatory interface; public relations; management improvement programmes and performance monitoring.
- **Safety and security of research reactors** - implementation of IAEA safety standards and security recommendations; review of national regulatory requirements on safety/security and of licensing activities: design review and upgrades including associated facilities (spent fuel storage facilities); safety analysis methods and approaches, including analyses of beyond design base accidents; security management; review of emergency and contingency plans; interface safety/security; threat assessment and design basis threat in RR security; nuclear safety and security considerations in the training and qualification of personnel.
- **Decommissioning and dismantling of research reactors and waste management** - strategies and concepts; decommissioning planning; economics; efficiency improvement measures; licensing; dismantling technologies applied; decontamination and measures to reduce radiation exposure; radiation and environmental protection; treatment, storage and disposal of radioactive waste; logistics and transportation; running projects; lessons learned from ongoing and completed projects.

RRFM

EUROPEAN RESEARCH
REACTOR CONFERENCE **2015**



Mark your diaries and be a part of it! Upload your abstracts on www.rrfm2015.org before **15 November 2014**.

Authors should submit their abstract text in English through the Abstract Submission System on www.rrfm2015.org by:

15 November 2014

Full paper submission deadline: 15 March 2015

Email ALL correspondence to rrfm2015@euronuclear.org .

Your abstract contribution will be included in the Conference

Proceedings (Transactions) posted on the ENS website:

www.euronuclear.org with reference number 978-92-95064-24-9

Abstract review

The abstracts received will be peer reviewed under the auspices of the RRFM 2015 Programme Committee. Authors will be notified of paper acceptance by 19 January 2015.

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