

# RRFM

EUROPEAN RESEARCH  
REACTOR CONFERENCE 2013



## Call for Papers

The RRFM 2013 Programme Committee is calling for both oral and poster presentations regarding

- **All Key Areas of the Nuclear Fuel Cycle of Research Reactors** - This includes: 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.

Furthermore the Call for Papers extends to the following areas:

- **Innovative methods in research reactor analysis and design** - Development and application of advanced computational methods and tools for research reactors physics, safety and fuel management: Neutronics Calculations and Experiments, Methods and Tools for Research Reactor Core Analysis and Design, Fuel Cycle Physics (including Actinides transmutation and proliferation reduction issues).
- **Utilization of Research Reactors** - Research reactor services; Utilization experience and good practices; Success stories in improving research reactor sustainability; Utilization in the fields of research & development, education & training and industrial applications; Research reactors networks, coalitions and centres of excellence; Experiences in the transition from full government support to total or partial facility self-sustainability and self-reliance; Utilization in support of international initiatives on innovative nuclear power reactors and fuel cycles; Irradiation programmes carried out in research reactors in support of multilateral undertakings; Challenges, constraints and capability gaps potentially limiting research reactor's utilization; Medical application in particular Moly production.
- **New Research Reactor Projects** - National and regional plans for new research reactors; Lessons learned from building and operating new research reactors; Role of research reactors in developing nuclear competence to implement nuclear power programmes in a medium to long term perspective; Research reactor capacity needed to meet the future demand for radioisotopes for medicine and industry; Development of national and regional infrastructure necessary to implement new research reactor projects, including inter alia organization and management, uses and applications, funding and financing, stakeholder involvement, legislative framework, regulatory framework, nuclear safety, environmental protection, security and physical protection, safeguards and human resources.
- **Research Reactor Operation and Maintenance** - Plant material condition control; Managing issues at either end of the facility 'bathtub curve' (commissioning, early operation and end of life/ageing related issues); 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.
- **Complementary Safety Assessment of RR following the Fukushima-Dai-Ichi NPP's Accident:** National updated Requirements, Licensing activities, Implementation of IAEA safety guidance, comparison with NPP's "stress test" concept, Review of External Events database, Review of Emergency Preparedness Plans, Review of new designs, Review of associated facilities (spent fuel storage facilities), Thermal hydraulic Analyses of Beyond Design Base Accidents

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Mark your diaries and be a part of it! Upload your abstracts on [www.rrfm2013.org](http://www.rrfm2013.org) before **16 November 2012**.

**Authors should submit their abstract text in English through the Abstract**

**Submission System on [www.rrfm2013.org](http://www.rrfm2013.org) by:**

**16 November 2012**

**Full paper submission deadline: 22 March 2013**

**Email ALL correspondence to [rrfm2013@euronuclear.org](mailto:rrfm2013@euronuclear.org) .**

**Your abstract contribution will be included in the Conference Proceedings (Transactions) that will be available on CD-ROM (after the conference) and posted on the ENS website: [www.euronuclear.org](http://www.euronuclear.org) with reference number ISDN 978-92-95064-18-8**

### **Abstract review**

The abstracts received will be peer reviewed under the auspices of the RRFM 2013 Programme Committee. Authors will be notified of **paper acceptance by 20 December 2012**.

### **RRFM 2013 Programme Committee**

Edgar Koonen, SCK•CEN, Belgium (*Chairman*)  
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### **Conference Secretariat**

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