



Call for Papers

The RRFM 2011 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); Nuclear Safety Assessment Methods and Improvements for Research Reactors.
- **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.
- **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.



- **2011 TRIGA User Meeting** - The 2011 TRIGA User Meeting will be organised as an embedded meeting within RRFM 2011. If you would like to actively participate in the 2011 TRIGA User Meeting by giving an oral presentation please upload a short abstract.

Mark your diaries and be a part of it! Upload your abstracts on www.rrfm2011.org before **26 November 2010**.

Authors should submit their abstract text in English through the Abstract Submission System on www.rrfm2011.org by:

26 November 2010

Full paper submission deadline: 18 February 2011.

Email ALL correspondence to rrfm2011@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 with reference number ISDN 978-92-95064-11-9

Abstract review

The abstracts received will be peer reviewed under the auspices of the RRFM 2011 Programme Committee. Authors will be notified of **paper acceptance by 18 December 2010**.

RRFM 2011 Programme Committee

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Philippe Auzière, Areva NC, France
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