



Organised by the
European Nuclear Society (ENS)
in co-operation with the International Atomic Energy Agency (IAEA)

8th International Topical Meeting * **Research Reactor Fuel Management (RRFM)**

Forum Hotel, Munich, Germany
March 21-24, 2004

CALL FOR PAPERS

*Belgium 1997, 1998, 1999, 2002; France 2000, 2003; Germany 2001

The international topical meeting on Research Reactor Fuel Management (RRFM) has been successfully run since 1997 to provide an open forum for the exchange of information on all significant aspects of the nuclear fuel cycle. The eighth two-day event in this series, RRFM 2004, will take place in Munich, Germany, from March 21–24, 2004. This eighth meeting will again focus on key areas of development and current concern, including operational aspects of improvements in the physical security of research reactor fuel.

This is a very special meeting of RRFM held in the city where FRM II is being commissioned. FRM II is an innovative research reactor especially designed to push forward the frontiers of all types of research using neutrons. To celebrate this development the meeting will open with a series of invited presentations on international topics of interest to the whole research reactor community. These will concern innovative utilisation of research reactors, links to international initiatives such as Generation-IV, INPRO and the 6th European Framework Research Program. In addition presentations will be invited on issues and changes in international policies effecting the RR fuel cycle.

Accordingly, the European Nuclear Society (ENS) remains committed to the RRFM meetings and is calling for papers in the following areas:

- **Fissile Material Supply** – *Historical availability and prospects for future supply of HEU and LEU for all types of research reactors including the policies of the major supplier countries on enrichment services for the research reactor community.*
- **Fresh Fuel and Targets – Origin and Status, Qualification, Fabrication** – *In particular, all aspects of the development, fabrication, testing and qualification of the new high-density fuels based on UMo alloys and the development of LEU target materials for the production of medical isotopes.*
- **Fuel In-Core Management and Safety** – *Presentations are solicited on safe and economical practices of in-core management of fuel, including new core designs, core conversions, advances in core neutronics calculations, burn-up determinations, etc.*
- **Fuel and Reactor Licensing** – *New fuel and reactor designs, core conversions and their licensing. Design and licensing of modifications.*
- **Fresh and Spent Fuel Transportation** – *Particularly presentations on the organisation of safe, secure and economic shipments of fresh and irradiated fuel, transportation cask licensing issues, changes in transportation regulations and international and national agreements on all aspects of fuel transportation.*



- **Spent Fuel Storage, Corrosion and Degradation** – *Wet and dry technologies for the safe, secure and economical interim storage of irradiated fuel, assessment of fuel and cladding, identification and packaging of damaged fuel, transfer from wet to dry storage, long-term storage implementation experience, including licensing of life extension of spent fuel storage facilities.*
- **Fuel Back End Management** – *Fuel return to and further processing in its country of origin, irradiated fuel management plans after 2006, discussions of the merits of various treatment, conditioning and reprocessing options as a preparation for final disposition, presentation of acceptance requirements for final disposal, of disposal site development and implementation for research reactor fuel, consideration of regional and international co-operation.*

It is intended to organise a number of sessions to cover these topics giving equal attention to oral and poster sessions, with formal, chaired poster sessions. In addition, a selection of invited papers will be presented in key topical areas.

Venue

Munich is the capital of Bavaria and has recently become Germany's second most popular destination after Berlin. The city has a staggering number of restaurants, cafés, museums, theatres and a vibrant arts scene. Munich is a cosmopolitan city where RRFM participants can spend the evening sampling the array of beers on offer or attend a concert of classical music. And with its extensive parks and gardens, its old buildings and fountains, Munich is also a city that will appeal to your aesthetic sense. It is a perfect base for trips to the nearby Black Forest, the beautiful Bavarian mountains, and the countryside around.

Post-conference and in the RRFM tradition, a technical site visit will be organised - this time to FRM II.

Instructions to Authors

Authors should submit a **DIGITAL COPY ONLY** of a 400-word abstract in English by October 1, 2003, using the abstract form to be found on

<http://www.euronuclear.org/meetings/rrfm2004>
or from the RRFM 2004 conference secretariat at rrfm2004@euronuclear.org

Papers received after this deadline or in any other form will not be accepted for review or presentation. For the authors' convenience, all popular word processor formats are supported.



Paper Review

The abstracts received will be peer reviewed under the auspices of the RRFM 2004 Program Committee. Receipt of abstracts is immediately acknowledged. Authors will be notified of paper acceptance and will receive an author instruction kit in November 2003.

Members of the Program Committee

Pol Gubel, SCK•CEN Mol, Belgium (Chairman)
Philip A. Beeley, HMS Sultan, United Kingdom
André Chabre, CEA, France
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Jacob W. de Vries, IRI Delft, The Netherlands
Jean-Louis Falgoux, CERCA, France

Participation of the Young Generation

Young professionals are especially encouraged to present their work at the conference. Their papers will be considered favourably in the selection process if their age is given on the abstract submission form. Authors under 35 will benefit from a special rebate on the registration fee.

**Deadline for a 1-page DIGITAL abstract submission:
October 1, 2003**

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In order to have your name added to the conference mailing list, please fill in a photocopy of the coupon below and return it to the conference secretariat. This is your guarantee to receive all further circulars in time. You can alternatively send an e-mail request to the conference secretariat with the necessary information.

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