



RRFM 2005

CALL FOR PAPERS

The international topical meeting on Research Reactor Fuel Management (RRFM) provides an open forum for the exchange of information on all significant aspects of the nuclear fuel cycle. The next two-day event in this series will take place in Budapest, Hungary, from 10-13 April 2005.

This RRFM 2005 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. The conference programme is built around the following four main topics:

- international topics of interest to the whole research reactor community;
- fuel development, qualification, fabrication and licensing;
- reactor operation, fuel safety and core conversion;
- spent fuel management, back-end options and transportation.

Accordingly, the European Nuclear Society (ENS) 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 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.*

• **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.*

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

9th International Topical Meeting Research Reactor Fuel Management

10-13 April 2005

Hilton WestEnd Hotel, Budapest, Hungary

• **Fuel and Reactor Licensing** – *New fuel and reactor designs, core conversions and their licensing. Design and licensing of modifications.*

• **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 treatments, 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.*

A number of sessions will be organised to cover these topics including both oral and poster sessions, with formal, chaired poster sessions. In addition, a selection of invited papers will be presented in key topical areas.

Contributions from the host country, Hungary, are particularly welcome.

Instructions to authors

Authors should submit a one page, DIGITAL COPY ONLY of a 400-word abstract in English and in Word format by Friday, October 1st, 2004, using the abstract form to be found on <http://www.euronuclear.org/meetings/rrfm2005> or to be requested by mail from the conference secretariat at rrfm2005@euronuclear.org. If submitted on time, all contributions will be included in the conference proceedings (Transactions).



Abstract review

The abstracts received will be peer reviewed under the auspices of the RRFM 2005 Program Committee. Authors will be notified of paper acceptance and will receive an author instruction package in November 2004.

Members of the RRFM 2005 Program Committee

- Pol Gubel, SCK•CEN, Mol, Belgium (Chairman)
- Pablo Adelfang, IAEA, Austria
- Nikolay Arkhangelsky, MINATOM, Russia
- Philippe Auzière, Cogema, France
- Philip A. Beeley, HMS Sultan, United Kingdom
- André Chabre, CEA, France
- Gunter Damm, Jülich Research Center, Germany
- Jean-Louis Falgoux, CERCA, France
- Hans Müller, RWE Nukem, Germany
- István Vidovszky, AEKI Budapest, Hungary
- Jacob W. de Vries, IRI Delft, The Netherlands

Participation of the Young Generation

Young professionals under 35 years old 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. Also, YG authors will benefit from a reduced registration fee.

Special registration categories

There will be a reduced registration fee for the following categories of professionals:

- Young Generation (under 35 years old)
- University staff
- Nationals from Central and Eastern European countries

Special conditions for contributors

It is expected that additional, special conditions will be offered to selected authors and presenters in the form of travel support from the IAEA. Confirmation and details will follow.

Technical tour

In the RRFM tradition, a post-conference visit will be organised to either the Budapest Research Reactor (half day), the training reactor of the Budapest Technical University (half day), or Paks NPP (full day).

Preliminary Programme and other information

All conference details, including the Preliminary Programme, and registration form, will be available on the ENS website in the beginning of November:

<http://www.euronuclear.org/meetings/rrfm2005>.

Conference contact details

RRFM 2005 Conference Secretariat
 C/o European Nuclear Society
 Rue Belliard 15-17, 1040 Brussels, Belgium
 Tel: +32 (0)2 505 3054
 Fax: +32 (0)2 502 3902
 Email: rrfm2005@euronuclear.org
<http://www.euronuclear.org/meetings/rrfm2005>

Conference mailing list

In order to have your name added to the RRFM mailing list, please fill in a copy of the coupon below and return it to the conference secretariat by regular post or fax. Alternatively, you can send your contact details by e-mail to the conference secretariat at rrfm2005@euronuclear.org.

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Family Name First Name

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