

ENS RRFM 2006

30 April – 3 May 2006, Sofia, Bulgaria  
Organised by the European Nuclear Society

## CALL FOR PAPERS



### About RRFM

The 10<sup>th</sup> annual topical meeting on **Research Reactor Fuel Management (RRFM)** will focus on all key areas of the nuclear fuel cycle of research reactors.

Its objectives are:

- To serve as an international forum for researchers, operators and decision-makers
- To discuss all significant aspects of nuclear fuel cycle management, including new fuel options
- To help improve operational efficiency and fuel safety
- To contribute to the search for back-end solutions for spent fuel

The plenary conference programme is built around the following main topics:

- Session 1: International topics of interest to the entire research reactor community
- Session 2: Fuel development, qualification, fabrication and licensing
- Session 3: Reactor operation, fuel safety and core conversion
- Session 4: Spent fuel management, back-end options and transportation

For the first time, a specialised session on innovative methods in research reactor analysis will be organised in parallel to session 4.

## Call for Papers

The European Nuclear Society (ENS) is calling for **oral papers** and **poster presentations** 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.*

**Technical aspects of fuel in-core management and safety** – *Presentations on safe and economical practices of in-core management of fuel, including new core designs, core conversions, 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.*

**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.*

### NEW IN 2006!

**Innovative methods in research reactor analysis** – *Specialised session in parallel to session 4 which aims at the presentation and discussion of recent development and application of advanced computational methods and tools for research reactor physics, safety and fuel management.*

### NEW IN 2006!

**A parallel session on innovative analysis tools will be introduced. Also, the RRFM programme will be extended to two and a half days.**

## Instructions to authors

Authors should submit a one page, **DIGITAL COPY ONLY** of a 400-word abstract in English and in Word format by

**1 October 2005**

Please use the abstract form on the RRFM 2006 website at <http://www.rrfm2006.org> or request a form from the conference secretariat by E-mail at [rrfm2006@euronuclear.org](mailto:rrfm2006@euronuclear.org).

**Full paper submission deadline: 1 March 2006.**

If submitted on time, all contributions will be included in the conference proceedings (Transactions), available both as a hard-copy and on the website.

### Abstract review

The abstracts received will be peer reviewed under the auspices of the RRFM 2006 Programme Committee. Authors will be notified of paper acceptance by 1 November 2005.

### 2006 RRFM Programme Committee

Pol Gubel, SCK•CEN, Belgium (*Chairman*)  
Pablo Adelfang, IAEA  
Nikolay Arkhangelsky, Rosatom, Russia  
Philippe Auzière, COGEMA (AREVA Group), France  
Philip Beeley, Ministry of Defense, United Kingdom  
André Chabre, CEA, France  
Helmuth Böck, Atominstitut, Austria  
Gunter Damm, Jülich Research Center, Germany  
Jacob de Vries, RID Delft, The Netherlands  
Jean-Louis Falgoux, CERCA (AREVA Group), France  
Gerhard Gruber, RWE NUKEM, Germany  
István Vidovszky, AEKI, Hungary

### Preliminary Programme

The Preliminary Programme will be available on the RRFM website by 15 November 2005: <http://www.rrfm2006.org>.

### Technical visit

On Wednesday afternoon 3 May 2006, a post-conference technical visit to local nuclear facilities will be organised.

### Registration fee

The registration fee includes the following:

- Participation in all sessions (two and a half days)
- Hard-copy conference proceedings
- Lunches and coffee breaks
- Guided city tour on Sunday 30 April 2006
- Walking dinner on Sunday 30 April 2006
- Technical visit on Wednesday 3 May 2006

### Special registration categories

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

- Members of the European Nuclear Society
- Professionals from and working in Central and Eastern Europe. The following countries are included:  
Belarus, Bulgaria, Croatia, Czech Republic, Hungary, Lithuania, Poland, Romania, Russian Federation, Serbia and Montenegro, Slovak Republic, Slovenia, Ukraine
- University staff
- Young Generation (up to **30** years old)

### Special conditions for contributors

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



### Conference Secretariat

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