SECRETARIAT

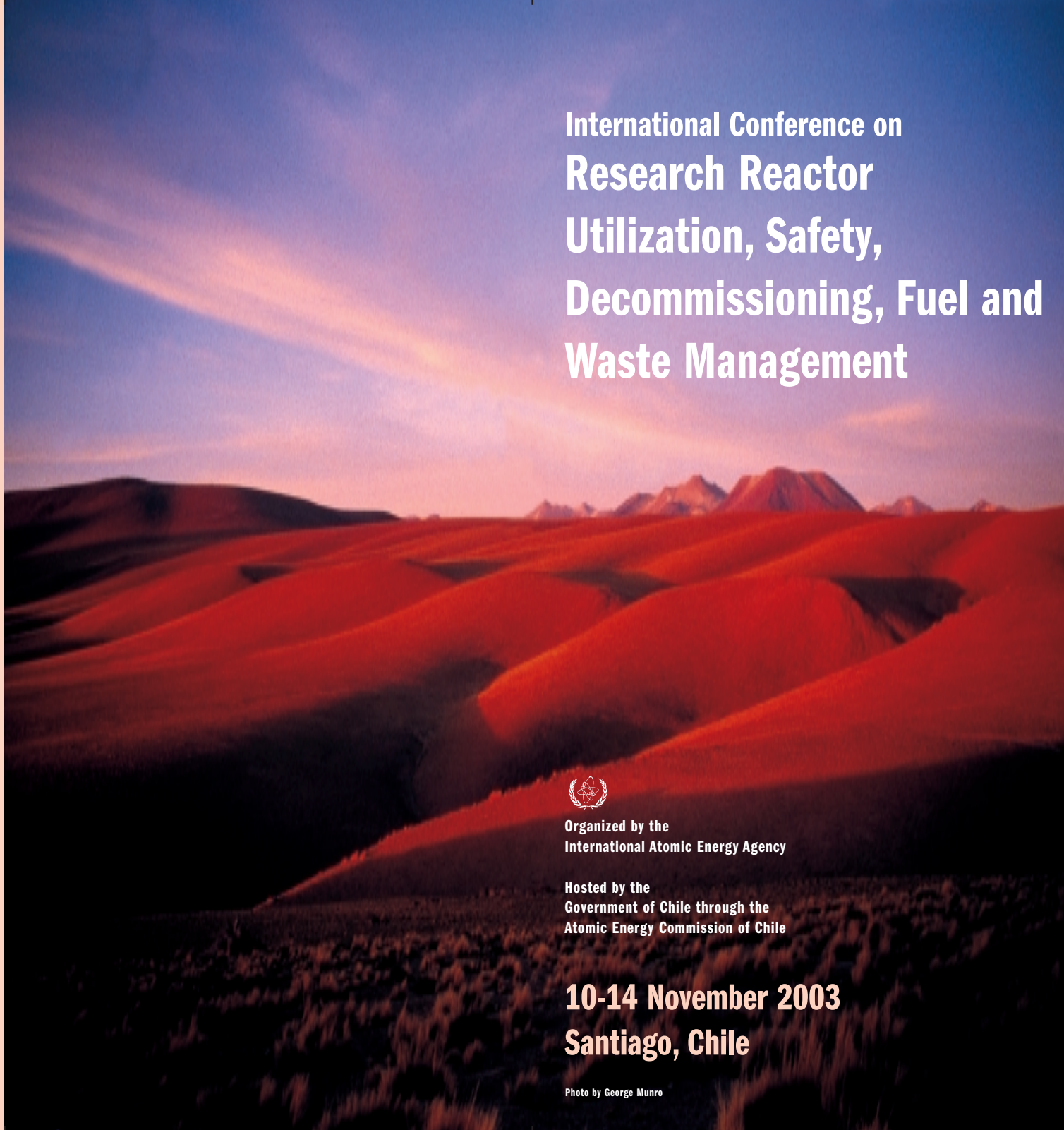
International Atomic Energy Agency
IAEA-CN-100

Wagramer Strasse 5, P.O. Box 100
A-1400 Vienna, Austria
Telefax: +43 1 26007
Electronic mail: official.mail@iaea.org

CONFERENCE WEBPAGE

For the announcement and
further information please refer to:

http://www.iaea.org/worldatom/Meetings/2003



International Conference on Research Reactor Utilization, Safety, Decommissioning, Fuel and Waste Management

Organized by the
International Atomic Energy Agency

Hosted by the
Government of Chile through the
Atomic Energy Commission of Chile

10-14 November 2003
Santiago, Chile

Photo by George Munro

OBJECTIVE

The objective of this conference is to foster the exchange of information on current research reactor concerns related to safety, operation, utilization, decommissioning and to provide a forum for reactor operators, designers, managers, users and regulators to share experience, exchange opinions and to discuss options and priorities.

PROGRAMME STRUCTURE

The conference programme will be structured as follows:

- An opening session
- Five technical sessions (these may be divided, if necessary, into sub-sessions) in which invited and contributed papers will be presented
- Parallel poster sessions
- A concluding panel discussion session.

THEMATIC SCOPE

The Conference will have a number of technical sessions dealing with specific topical areas. All sessions are expected to include papers from invited speakers as well as contributions by participants.

The topical areas are grouped below under five major headings :

1. Utilization

- New trends and directions for utilization of research reactors;
- Effective management of research reactors and associated facilities;
- Engineering considerations and experience related to refurbishment and modifications;
- Strategic planning and marketing;
- Classical applications (nuclear activation analysis, isotope production, neutron beam applications, industrial irradiations, medical applications);
- Training for operators;
- Educational programmes using a reactor;
- Current developments in design and fabrication of experimental facilities;
- Irradiation facilities;
- Projects for regional uses of facilities;
- Core management and calculation tools;
- Future trends for reactors;
- Use of simulators for training and educational programmes.

2. Safety

- Experience with the preparation and review of Safety Analysis Reports;
- Human factors in safety analysis;
- Management of extended shutdown periods;
- Modifications: safety analysis, regulatory aspects, commissioning programmes;
- Engineering safety features;
- Safety culture;
- Safety peer reviews and self assessments;
- Current developments in research reactor design criteria;
- Calculation methods and codes;
- Regulatory aspects and experience with current research reactor issues;
- Quality assurance programmes during the various stages of a reactor life;
- Training and qualification of reactor operating personnel and regulators;
- Modifications in operating procedures and training and qualification;
- In-service and special inspections with respect to ageing.

3. Fuel Cycle

- New high-density fuel development;
- Fuel fabrication and performance;
- Fuel qualification programmes;
- Core conversion;
- Fuel management (including spent fuel storage);
- Spent fuel transportation;
- Final disposition.

4. Decommissioning

- Preliminary decommissioning planning (long term);
- Creation of data base for decommissioning (e.g. during refurbishment);
- Final decommissioning planning;
- Extensive R&D activities associated to decommissioning of research reactors;
- On-going/recently completed research reactor decommissioning projects.

5. Waste Management

- Operational waste management;
- Decommissioning waste management.