



Call for Papers



The International Conference on Future of Heavy Water Reactors (HWR-Future)

October 02-05, 2011
Ottawa Marriott Hotel, Ottawa, Ontario, Canada

Objective

Heavy Water Reactor (HWR) technology is uniquely suited to respond to the future needs because of its inherent technical characteristics and associated fuel cycle flexibility. With the looming renaissance of nuclear power, major plans for new builds have been established or considered in many countries. In cooperation with the International Atomic Energy Agency (IAEA), the Canadian Nuclear Society (CNS) is organizing the International Conference on the future of HWR (HWR-Future) aiming to provide a forum for discussion of advancements and issues, sharing information and technology transfer, and establishing future collaborations on reactor design, fuel design, material and chemistry, thermal-hydraulics and safety, and operating experience for HWRs. The official language of the symposium is English.

Topics of Interest

Papers related to the following topics are of interest to this conference:

- Reactor Core and Fuel Designs
- Advanced Fuel Cycle and Reactor Physics
- Material and Chemistry
- Thermal-hydraulics and Safety Analysis
- Steam Generators
- Operation and Maintenance
- Other topics

Embedded Panel Discussions

“Current Developments and Challenges In Heavy Water Reactor Physics Analyses”. Organizers: P. Akhtar (Chair), A. Buijs (McMaster University), D. Serghiuta (CNSC)

“Fuel CHF Enhancement – Technologies to improve safety margin, enhance power output, and mitigate ageing effect”. Organizer: L.K.H. Leung (AECL)

General Queries

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Abstract and Full Paper Submission

Abstracts (<250 words) and full papers must be submitted via the submission link on the Conference Webpage of the CNS website. Papers should include sufficient information for a clear presentation of the topic. Usually this can be achieved in 8-12 pages, including figures and tables. All papers will be published in a CD to be distributed at the conference. The required format of submission is electronic (Word). Information on paper submission and templates are available from the workshop webpage of the CNS website at <http://www.cns-snc.ca/events/cns-fhwr/>

Submission Schedule (Extended)

On-Line abstract submission	Mar. 14, 2011
Acceptance/author notification.....	Apr. 04, 2011
Draft paper submission	June 20, 2011
Comments on draft paper to authors	July 11, 2011
Final paper submission	Aug 22, 2011

Symposium Fees

Earlybird Registration Fees (deadline 2011 Aug. 23):

CNS member	CDN\$600
Non-CNS member	CDN\$700
Full-Time Student.....	CDN\$330

Regular Registration Fees (after 2011 Aug. 23):

CNS member	CDN\$700
Non-CNS member	CDN\$800
Full-Time Student.....	CDN\$430

Symposium Organizers

Chair	R. Duffey (AECL)
Co-Chair	R.K. Sinha (BARC)
Steering Committee Chair.....	P. Purdy (Bruce Power)
Steering Committee Co-Chair.....	J.H. Choi (IAEA)
Technical Program Chair	L.K.H. Leung (AECL)
Technical Program Co-Chair	J.H. Park (KAERI)



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