



Canadian Nuclear Society
Société Nucléaire Canadienne
**11th International Conference on
CANDU Fuel**



***“Flexible Fuel for a Greener Future”
“Souplesse du cycle du combustible pour un avenir plus propre”***

Sheraton Fallsview Hotel and Conference Centre,
Niagara Falls, Ontario, 2010 October 17-20

CALL FOR PAPERS

Following the highly successful tenth conference held at Ottawa in 2008, the 11th International Conference on CANDU Fuel will bring together international experts of the nuclear fuel industry involved in design, R&D, fabrication, operation, fuel modelling, safety analysis and regulation. Under the theme of ***Flexible Fuel for a Greener Future***, papers are solicited for the following categories:

- A. International Experiences for CANDU Fuel:** Summary of national programs for CANDU development, and of CANDU fuel operations and related issues.
- B. Fuel Design:** Fuel design, fuel qualifications, advanced fuel materials.
- C. Advanced Fuel Cycles:** R&D for advanced fuel cycle fuels including recycled uranium, thorium fuel, SEU, MOX, DUPIC, etc.
- D. Fuel Modelling and Computer Code Development:** Models for predicting fuel behaviour under normal operating and postulated accident conditions, including code qualifications.
- E. Fuel Performance, Reliability and Operating Experience:** Fuel behaviour in reactor, including high power operation, high burnup, failed fuel, fuel inspections, fuel handling.
- F. Fuel Safety & Operational Margin Improvement:** Licensing issues, accident analysis, experimental simulation, thermalhydraulic analysis, reactor aging effects, fuel management schemes, load following, reactor physics analysis.
- G. Fuel Fabrication:** Fuel manufacturing experience, advances in manufacturing & inspection technologies and quality assurance.
- H. Spent Fuel Management:** Handling technology, spent fuel storage and disposal approaches, in-storage fuel behaviour.

Abstract and full paper must be prepared and submitted according to guidelines in the conference web site at <http://www.cns-snc.ca/fuel2010.html>. The following are important deadlines for paper submission. Late submissions may not be accepted.

- 2010 February 20 On-line submission of abstracts
- 2010 February 28 Notification of the acceptance of abstracts
- 2010 April 20 On-line submission of full papers
- 2010 May 30 Notification of the acceptance of full papers
- 2010 June 20 On-line submission of final version of full papers

For more information and latest news, please visit the conference web site at <http://www.cns-snc.ca/fuel2010.html>.

Conference Chair:
Steve Palleck
AECL Sheridan Park
(905)823-9060 x 34542
pallecks@aecl.ca

Technical Program Chair:
Ki-Seob Sim
AECL Sheridan Park
(905)823-9060 x 35747
simk@aecl.ca