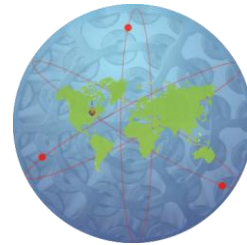


Canadian Nuclear Society  
Société Nucléaire Canadienne

12<sup>th</sup> International Conference on CANDU Fuel  
“CANDU Fuel: Safe, Reliable and Flexible”  
“Combustible CANDU: sûr, fiable, polyvalent”



Holiday-Inn Waterfront Hotel and Conference Centre,  
Kingston, Ontario, 2013 September 15-18

**CALL FOR PAPERS**

Following the highly successful 11<sup>th</sup> conference held at Niagara Falls in 2010, the 12<sup>th</sup> International Conference on CANDU Fuel will bring together international experts of the nuclear fuel industry involved in design, R&D, fabrication, operation, modelling, safety analysis and regulation. Under the theme of *CANDU Fuel: Safe, Reliable and Flexible*, papers are solicited for the following categories:

- A. **Fuel Performance:** PIE studies/techniques, fuel behaviour (normal operating conditions and extended burnup), and station experience.
- B. **Fuel Safety:** Licensing issues, accident studies, fission-gas release, fuel behaviour, LOCA initiative and experimental simulation, fuel acceptance criteria, and fuel deformation and dryout.
- C. **Fuel Design & Development:** Modifications to fuel designs and quality assurance in fuel design and development, MOX, inert matrices, DUPIC, slightly enriched uranium (SEU), recovered uranium (RU), thorium-based fuels, SCWR fuel, and economical and societal implications of fuel cycles.
- D. **Fuel Code Development:** Predictive capability for thermal, mechanical, irradiation and fission-gas release behaviour under normal operating and accident conditions, and predicting aerosol behaviour.
- E. **Fuel Manufacturing:** Fuel manufacturing experience, advances in manufacturing & inspection technologies, blending Recycled Uranium (RU) & Depleted Uranium (DU), and fuel manufacturing issues and improvements.
- F. **Fuel Management:** Fuel management schemes, load following, fuel physics analysis, and specific operational problems.
- G. **Fuel Bundle Thermalhydraulics:** CHF and CCP assessment and enhancement, reactor aging, crept pressure tube and fuel simulation and testing.
- H. **Spent Fuel Management:** Fuel handling technology, spent fuel storage, and in-storage fuel behaviour.
- I. **Advanced Code Development:** Development of models that support fuel performance and safety assessments.

*Also we are now accepting nominations for a new award to recognize senior or retired individuals who have contributed greatly to the field of Nuclear Fuel. Please send your nomination letters to Dr. Paul K. Chan at [Paul.Chan@rmc.ca](mailto:Paul.Chan@rmc.ca) by 31<sup>st</sup> May 2013. For further details on this award please visit our website.*

Abstract and full paper must be prepared and submitted to <https://www.softconf.com/d/CANDU2013/> according to guidelines in the conference website at <http://www.cns-snc.ca/events/candufuel2013/>. The following are important deadlines for paper submission. Late submissions may not be accepted.

- **2013 February 28**                      **Extended On-line submission of Abstracts**
- **2013 March 15**                         **Notification of the Acceptance of Abstracts**
- **Extended to 2013 June 29**         **Deadline for Submission of Paper**
- **2013 May 31**                             **Deadline for Award Nomination**
- **Extended to 2013 July 19**         **Notification of Acceptance of Full Paper**
- **2013 September 15-18**             **Conference**

For more information and latest news, please visit the conference website at <http://cns.ca/events/candufuel2013>.

Conference Chair:  
Dr. Paul K. Chan  
Chemistry & Chemical Engineering  
Royal Military College of Canada  
(613) 541-6000 x 6145  
[Paul.Chan@rmc.ca](mailto:Paul.Chan@rmc.ca)

Technical Program Co-Chair:  
Dr. Hugues W. Bonin  
Chemistry & Chemical Engineering  
Royal Military College of Canada  
(613) 541-6000x 6613  
[bonin-h@rmc.ca](mailto:bonin-h@rmc.ca)

Technical Program Co-Chair:  
Mr. Mark R. Floyd  
Atomic Energy of Canada Limited  
Chalk River Laboratories  
1-800-377-5995 x43899  
[floydm@aecl.ca](mailto:floydm@aecl.ca)



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