



**Women in Nuclear (WiN) Canada**

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**Canadian Nuclear Society / Société Nucléaire Canadienne**

*“Supporting nuclear science and technology for over 25 years”*

*“plus de 25 ans de promotion de la science et de la technologie nucléaires”*

## **Development of Tools at the Chalk River Laboratories in Support of the NRU Reactor**

The Chalk River Branch of the Canadian Nuclear Society will hold its Annual General Meeting, on Monday, October 26, 2009 at 7:00 pm, followed by a seminar by Dr. Gina Strati, AECL. This talk is co-sponsored by Women in Nuclear (WiN).

The Mechanical Equipment Development (MED) Branch at AECL, Chalk River Laboratories specializes in providing unique tooling and other mechanical equipment to Nuclear Generating Stations as well as other groups within AECL. Most recently, the MED Branch has been called upon to develop customized tooling for the NRU reactor following the discovery of a heavy water leak in May 2009. The talented engineers, designers and technologists in the branch, in collaboration with the Inspection Monitoring and Dynamics Branch at AECL, designed and built a manually-operated tool to inspect the inside of the reactor vessel. Another team in the MED branch has produced specialty tools to clean the inside vessel wall in preparation of upcoming repairs. This talk will focus on the inspection and cleaning tools that were designed, built, tested and successfully used in the NRU reactor at Chalk River Laboratories and some of the inherent challenges that were encountered

Gina Strati, Manager of the MED Branch, received a B.Sc. degree with a major in Chemistry from McGill University and a PhD in Physical Chemistry from the University of New Orleans. She has been working at AECL for over 7 years, and has been involved in the management of trademark projects, including the Emergency Core Cooling (ECC) Strainers™ designed for nuclear power plants, as well as tooling projects for internal AECL departments and external customers. In her current role, she is bringing her experience in project management to assist in returning the National Research Universal (NRU) reactor to service.



**Gina Strati**

**Manager**

**Mechanical Equipment Development**

**AECL – Chalk River Laboratories**

**Monday October 26<sup>th</sup>**

**CNS AGM: 7:00 pm, followed by seminar  
Bennett / Mackenzie Room, J.L. Gray Centre  
(Entry via rear security entrance)**

*Further information: Ragnar Dworschak at 584-8811 Ext. 44342, or Geoff Edwards at Ext. 43247*