



Canadian Nuclear Society / Société Nucléaire Canadienne

Chalk River Branch, c/o Morgan Brown, Chalk River Laboratories, Chalk River, ON K0J 1J0
<http://www.cns-snc.ca/branches/ChalkRiver>

e-mail: CR-webmaster@cns-snc.ca

*“Supporting nuclear science and technology for 25 years”
“25 ans de promotion de la science et de la technologie nucléaires”*

Low Energy Induced Nuclear Fusion: Experimental Evidence and Theory

Since 1996, local engineer Mark Poringa has been investigating a variety of anomalous phenomena including low-energy induced nuclear fusion reactions that have been found to occur in a simple carbon-arc electrolysis cell. The upcoming presentation, a repeat of a lecture given at the recent colloquium hosted by the Louis de Broglie Foundation in Paris (founded by De Broglie the Nobel prize winner responsible for the Wave/Particle Duality Equation), will provide some fascinating insights into Mark's work.

The talk will consist of a brief background on the various scientific disciplines central to the fusion theory, which invokes several intuitive concepts drawn from Quantum Field Theory. Despite the lack of any fundamentally new science, the synergy of ideas turns out to be rather startling. Supporting experimental data shows the production of micro to milligram quantities of a long list of primarily metals starting with nothing more than ultra-pure graphite and water, providing compelling verification of similar experiments performed at Texas A&M University, Oak Ridge Nuclear Laboratories and the Bhabha Atomic Research Centre. Mark is quick to point out that this is not “Cold Fusion”, a claim that was largely discredited after creating a media storm in 1989.

Mark Poringa holds a degree in Water Resources Engineering from the University of Guelph, where he worked for four years as Research Engineer on renewable energy and waste treatment projects. He has also worked in the Canadian Automotive Industry in various Product Development and Manufacturing capacities for five years before joining AECL in 1990. At AECL, he has worked in NRU Operations as a Senior Reactor Shift Engineer and most recently as the Experimental Loops Section Head. He is a recipient of a President's Award of Excellence for the development of a nuclear application leak sealant technology. His fusion research is conducted as a spare time activity under the umbrella of his R&D and consulting company.

Mark Poringa

President, ZEROPOINT TECHTONIX Inc.

8:00 PM

Thursday, May 20, 2004

**Bennett / Mackenzie Room, J.L. Gray Centre
(Entry via rear entrance)**

Refreshments will be served – ALL ARE WELCOME!

Further information: Morgan Brown at CRL 4247