



Canadian Nuclear Society / Société Nucléaire Canadienne

Chalk River Branch, c/o Ruxandra Dranga, AECL-Chalk River Laboratories, Chalk River, ON K0J 1J0

Web: <http://www.cns-snc.ca/CRB.html> e-mail: webmaster@cns-snc.ca

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

“Best Theratronics - An AECL Spin-off Success Story”

Presented by
Ragnar G. Dworschak

The Chalk River Branch of the Canadian Nuclear Society is pleased to be able to present Dr. Ragnar G. Dworschak, PPhys, Director of Technical Services for Best Theratronics in Ottawa. Ragnar did his undergraduate work at the University of Waterloo in 1987 and subsequently joined telecommunications company Nortel. In 1990 he completed his M.Sc. in Applied Physics from Queens and worked for the NRC for a year developing techniques for explosives detection for civil aviation anti-terrorism use before rejoining Nortel. In 2004 he completed his Ph.D dissertation in Biomolecular Laser Desorption Mass Spectrometry at the University of Manitoba, after which he spent a year at NRC working for a biotech startup company. From 2005 – 2010, he worked at AECL, first in the fuel channels division for a year, then in the Reactor Physics branch performing reactor core physics modeling for Gen-IV Reactors. In 2010 he left AECL to take up his current position at Best Theratronics which includes technical interfacing between Physics, Engineering, Sales and Marketing, the agent and client base and the academic community.

This talk will begin with a brief history of Best Theratronics Limited (BTL) from the days of being a division of AECL to a member of Best Medical International (BMI), a global family of companies focusing on nuclear medicine for both diagnostics and therapeutics. The focus will then turn to the current R&D and commercial activities of BTL. BTL has for many years produced radioactive source and X-ray based self-contained irradiators for blood and other biological material irradiation for both clinical and research use. BTL is also well known for external gamma beam radiotherapy machines for the treatment of cancer using Co-60 produced in NRU. Recently, BTL has begun producing cyclotrons for the production of medical isotopes for medical use and for research. In addition, in collaboration with Columbia University in New York and Brookhaven National Labs, BTL is developing a synchrotron based carbon and proton (heavy ion) radiotherapy system. The wider scope of activities enjoyed by BTL, enabled under BMI, includes collaborative R&D efforts with Carleton University, Kingston General Hospital, and other hospitals, clinics and universities in Canada, the US, Europe, the Middle and Far East and South America.



Ragnar Dworschak
Director of Technical Services
Best Theratronics Limited
Ottawa, Ontario

Wednesday, June 29th 2011
7:00 p.m.
Bennett Room, J.L. Gray Building
(come to the back door)

Further information: 613-584-8811 Ruxandra Dranga (46856) or Geoff Edwards (43247), or Blair Bromley at 613 584 1518