



## CNS WORKSHOP ON MEDICAL-RADIONUCLIDE PRODUCTION METHODS

2009 Dec. 10-11 (Thurs.-Fri.)  
Delta Hotel & Suites  
361 Queen Street, Ottawa, ON, K1R 7S9



### Program

For last-minute updates please check the workshop webpage at:

<http://cns-snc-new.ca/events/17/cns-workshop-production-medical-radionuclides/>

### Thursday, December 10

- 07:45 – 08:15 Breakfast
- 08:15 – 08:30 Opening Remarks
- 08:30 – 09:15 **Regulatory Aspects of Medical Isotope Production in Canada**  
*Terry Jamieson*  
*Vice President, Technical Support Branch, Canadian Nuclear Safety Commission*
- 09:15 – 10:00 **<sup>99</sup>Mo Production by Proton-induced Fission with LEU**  
*Dr. Frédéric Stichelbaut*  
*Manager, Research and Development, IBA*
- 10:00 – 10:30 Coffee Break
- 10:30 – 11:15 **Split Up and Separate: Photo-fission, Accelerators, and Mo-99**  
*Dr. Tim Meyer*  
*Head, Strategic Planning and Communications, TRIUMF*
- 11:15– 12:00 **Two Routes to Solving the Mo/Tc Isotope Crisis: Direct Production of Tc-99m and Isotope Separation**  
*Dr. Tom Ruth*  
*Senior Research Scientist, TRIUMF and BC Cancer Agency*
- 12:00 – 13:00 Lunch
- 13:00 – 13:45 **E-Beam Production of Molybdenum-99**  
*Dr. John Barnard*  
*Director, Research and Technology, ACSIION Industries*
- 13:45 – 14:30 **Isotopes Shortages: Living in it, and being part of the solutions for the future - Radiopharmacy Perspectives**  
*Dr. Kennedy Mang'era*  
*Director, Radiopharmacy; Health Sciences Center, Winnipeg RHA*
- 14:30 – 15:15 **Using the Mo-100 Photoneutron Reaction to Meet Canada's Requirement for Tc-99m**  
*Dr. Carl Ross*  
*Group Leader, Ionizing Radiation Standards Group, National Research Council Canada*
- 15:15 – 15:45 Coffee Break
- 15:45– 16:30 **Global Shortage of Mo-99: Causes and Prevention of Future Shortages**  
*Tom Burnett*  
*Global Marketing Director, Radiotherapy and Medical Isotopes, MDS Nordion*
- 16:30 – 18:00 Panel Discussion
- 18:30 – 21:30 Cocktails and Dinner  
**Keynote dinner speaker: Serge Dupont**  
*Deputy Minister of Intergovernmental Affairs (Privy Council Office), Special Advisor to the Minister of Natural Resources on Nuclear Energy Policy*

**Friday, December 11**

- 08:00 – 08:30 Breakfast
- 08:30 – 09:15 **Securing the Future of Medical Isotopes and Neutron Science in Canada: The Canadian Neutron Source (CNS)**  
*Dr. Richard Florizone*  
*Vice-President Finance, University of Saskatchewan*
- 09:15 – 10:00 **Requirements on Mo-99 Production to Satisfy Medical Demand**  
*Dr. Richard Coats*  
*Sandia National Laboratories, USA*
- 10:00 – 10:30 Coffee Break
- 10:30 – 11:15 **An INVAP Perspective on the Production of Medical Radioisotopes: Past & Present**  
*Marcelo Salvatore*  
*Manager, Strategic Operations - Nuclear, INVAP, Argentina*
- 11:15 – 12:00 **Canadian Neutron Source (CNS): A Research Reactor Solution for Medical Isotopes and Neutrons for Science**  
*Dr. Dean Chapman*  
*Canada Research Chair in X-Ray Imaging, University of Saskatchewan*
- 12:00 – 13:00 Lunch
- 13:00 – 13:45 **Bridging the Gap: The Role of MNR in Securing Canada's Medical Isotope Supply**  
*Chris Heysel*  
*Director, Nuclear Operations and Facilities, McMaster University*
- 13:45 – 14:15 **Alternative Radiopharmaceuticals for Myocardial Imaging**  
*Dr. Robert deKemp*  
*Associate Professor & Head Imaging Physicist, Cardiac Imaging*  
*University of Ottawa Heart Institute*
- 14:15 – 15:30 Panel Discussion
- 15:30 End of Workshop