R.E. Jervis Award – Dr. Laura-lee Innes (Brown)

Dr. Laur**a**-lee Innes (Brown) is awarded the R.E. Jervis Award for her research into the use of polymer-based composites as potential container materials to store radioactive wastes and used nuclear fuel for many centuries.

Laura-lee used neutron activation analysis to measure the parameters of the diffusion of water and acidic solutions through polymers at various temperatures. Polymers, either dry or immersed in water or acidic solutions, were then exposed to the radiation environment of the SLOWPOKE-2 reactor. They were then evaluated by several mechanical and chemical testing methods. The semi-aromatic Nylon 6,6 co-polymer was found to be the most suitable container material among those investigated in this research.

Dr. Laura-lee Innes (Brown) recently completed her PhD at the Royal Military College in Kingston under the supervision of Professor Hugues Bonin and Professor Van Tam Bui.

Purpose of the Award
The Award recognizes excellence in research and development carried out by a full time graduate student in nuclear engineering or related fields.