

MacDiarmid Institute for Advanced Materials and Nanotechnology

**PhD in Scholarship Chemistry on
"The Modification of Surfaces Using Nanomaterials and
Nanotechnology"**

Applications are sought from suitably qualified candidates for a PhD Scholarship in Chemistry within the MacDiarmid Institute for Advanced Materials and Nanotechnology, School of Chemical and Physical Sciences, Victoria University of Wellington, New Zealand.

The PhD research programme is concerned with the modification of the surfaces of common substrates and fibres notably plastics, paper and wool, by incorporating and chemically binding selected nanomaterials on the respective surfaces to impart interesting and useful light scattering, photoluminescent, anti-microbial and chemical properties. This programme will be an integral part of our research and development work on new hybrid materials for industry and consumer applications within the MacDiarmid Institute for Advanced Materials and Nanotechnology and the School of Chemical and Physical Sciences. Financial support will include a sustenance allowance of \$25,000 plus NZ PhD tuition fees per year for 3 years. Assistance with travel to New Zealand may be provided. The preferred starting time is early 2010.

Enquires and expressions of interest together with you CV should be sent to Professor J H Johnston, email jim.johnston@vuw.ac.nz Further information about the MacDiarmid Institute can be found on <http://www.macdiarmid.ac.nz>

It is intended that a component of the research will be carried out in collaboration with Professor Jas Pal Baydal in the Chemistry Department, Durham University, UK and that the successful candidate will likely spend a short time at Durham University.

Applications will be considered from 1 February 2010.