

Seminar

Friday 19 June, 2009

11 am - Room 701

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Nanotechnology at GNS Science

The nanotechnology group at GNS Science was established around a decade ago. Following a brief overview of the history and early activities of the group I will present details of our research over the past three years.

In particular I will discuss:

- An approach for creating nanostructured Germanium surfaces. This involves deposition of a thin layer of germanium under high vacuum using an ion beam sputtering system. The films are then annealed at temperatures between 400 -700°C in an electron beam annealing system. Nanostructures are observed on the surface following the annealing process. Results of electron emission from these nanostructured 'tips' will be presented.
- Recent advances in the demonstration of the application of silicon nanowhisker technology towards a field emission display device.
- Nanostructured surfaces in other materials (Fe and SnO).

All Welcome

Contact Details

For further information phone 364 2404, or visit our website: www.phys.canterbury.ac.nz