

# **MURPA Seminar: Friday 5 October 2012, 9am**

## **Mythbusting Scientific Knowledge Transfer with nanoHUB.org**

**Speaker:** Professor Gerhard Klimeck

**Venue:** Seminar Room 135, Building 26, Clayton Campus, and Seminar Room H7.84, Caulfield Campus, Monash University

### **Abstract:**

More than 230,000 users in 172 countries annually participate in nanoHUB.org, a science and engineering gateway providing the capability to perform online simulation resources through a web browser without the installation of any software. nanoHUB is an online meeting place for simulation, research, collaboration, teaching, learning and publishing. Over 12,000 users run simulation software from their browser in nanoHUB's science computing cloud.

Cumulatively over 14,000 students in over 700 classes utilized nanoHUB simulations in classrooms and over 1,400 authors referenced nanoHUB in over 850 scientific publications. The platform has spawned nanoHUB-U and, in turn, Purdue HUB-U, interfaces for online courses that are broadly accessible around the world.

### **Biography:**

Gerhard Klimeck is director of the Network for Computational Nanotechnology (NCN) and professor of electrical and computer engineering at Purdue University. His research interest is the modeling of nanoelectronic devices, bridging the gap between material science and device engineering, and impact studies through science gateways. He is a fellow of both the American Physical Society and the Institute of Physics. His over 320 peer reviewed papers resulted in a citation h-index of 39 on Google Scholar.