

Nanoelectronics Group

School of Physics, UNSW



Nanoelectronics needs YOU!

Our research is focused on making electronic devices based on semiconductor nanowires and exploring how quantum mechanical effects influence their operation. While much of our work is devoted to basic research of quantum, spin and electron-electron interaction phenomena at low temperatures, we are also keen to explore these devices at higher temperatures toward real world applications.

The project involves significant hands-on work on device fabrication using high-tech equipment in UNSW's cleanroom facilities and high sensitivity electrical measurements of these devices.

Candidates will need to meet eligibility requirements for an APA scholarship and would ideally have a physics background, although we are happy to talk to engineering, nanotechnology or chemistry students with a keen interest in this area. This is a demanding project, so we are seeking motivated, enthusiastic and organized students to work with us on this project.

For more details, please see <http://www.phys.unsw.edu.au/nanoelectronics> or contact A/Prof. Adam Micolich (mico@phys.unsw.edu.au).