

# NanoCore

## PhD Positions, NanoCore, National University of Singapore



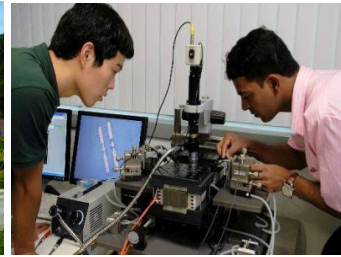
Temasek Lab



He-Ion Microscope



Synchrotron



4-Probe Station

NanoCore ([www.nanocore.nus.edu.sg](http://www.nanocore.nus.edu.sg)) is an interdisciplinary research collaboration in the science and technology of the nano-scale. It is led by its Director Venky Venkatesan, an ISI highly cited physicist, formerly Professor at the University of Maryland and Fellow of the American Physical Society. NanoCore is generously funded by the National University of Singapore and is housed on the top floor of the Temasek building. NanoCore is open to research staff and students who want to work across traditional scientific and engineering disciplines to achieve progress in the technology on the nanoscale. Special emphasis is put on entrepreneurship and technology transfer. NanoCore is exceptionally well equipped with state of the art scientific instruments. Research areas include:

- Oxide Electronics
- Ion-Beam Imaging and Fabrication
- Advanced Functional Materials
- Thin Film Materials
- Bio-Nanotechnology
- Charge Transport in Mesoscopic Systems
- Graphene Electronics

Excellent students from all scientific and engineering, as well as biomedical disciplines are welcome to apply for NanoCore PhD Scholarships. Students whom we are recruiting typically are in the top 10% of their class and have shown the ambition and ability to immerse themselves in challenging, high impact research projects. We also highly welcome students who have entrepreneurial ambitions. The scholarship entails:

- 4 years of funding
- Full coverage of all tuition and fees
- Monthly living allowance (12 months per year)
- Possibility to work with any NanoCore researcher/collaborator

If you see a fit then please send your Cover Letter and CV to [elemdk@nus.edu.sg](mailto:elemdk@nus.edu.sg). Please see: [www.nanocore.nus.edu.sg/positions.html](http://www.nanocore.nus.edu.sg/positions.html) for detailed application instructions. We look forward receiving your documents by **1. December 2009** for the August 2010 intake.

Singapore is an Island State in the heart of Asia. It hosts some of the most modern buildings and infrastructure in the world, right next to tropical rainforest and beaches. Most Asian countries are within easy reach by road, train or air. Singapore has a fast growing, highly dynamic economy and an active and growing research and development community. It is a pleasant place to live with excellent weather all year round, cheap and good food, excellent public transportation, varied nightlife, a cosmopolitan community of expats and locals and various locations for relaxation and sports. Immigration is uncomplicated and it is easy for NUS students to obtain Permanent Residency and later a Singaporean passport (which, like US or European passports, allows for smooth travel to most countries), if desired.



National University of Singapore



City Centre



Beach