Research Assistant

Opportunities

The candidate will work at the Centre for Advanced 2D Materials at the National University of Singapore. The candidate will be working in a highly international environment with state-of-the-art equipment and facilities.

Job Description:

The candidate will work in a research project for the development of atomically-thin films for electronic applications. The candidate is expected to master the techniques involved in the production, transfer and characterization of graphene films to different substrates. The candidate must present expertise (supported by publications or other means) in:

- Growth of graphene by chemical vapour deposition
- Micromechanical exfoliation of atomically thin materials (MoS2 and graphene)
- Liquid phase exfoliation
- Characterization of hydrophobic/philic character of materials
- Rheology analysis
- Raman spectroscopy
- Alternative (dry) methods to transfer graphene
- Matlab, Witec and Origin (software)

Eligibility and Conditions

Candidates must hold an internationally-recognized MSc degree, preferably in physics, materials engineering and nanotechnology, or equivalent. The candidate must present expertise (supported by publications or other means) in:

- Growth of graphene by chemical vapour deposition
- Micromechanical exfoliation of atomically thin materials (MoS2 and graphene)
- Liquid phase exfoliation
- Characterization of hydrophobic/philic character of materials
- Rheology analysis
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- Alternative (dry) methods to transfer graphene
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Application procedure

The formal application should be submitted to c2dsbs@nus.edu.sg.

E-mail submissions must include:

- Cover letter,
- Curriculum Vitae,
- The contact details of three potential references.

Potential candidates will be contacted by phone and invited for an interview.