Research assistant (PhD or Msc.) and postdoctoral researcher positions available

Applications are invited for Research Assistant (PhD or Master candidacy) in Prof. Zhengtang Luo's group in Department of Chemical and Biomolecular Engineering at the Hong Kong University of Science and Technology (HKUST).

HKUST is a modern, English-speaking, top-ranked University in Asia. HKUST's School of Engineering consistently ranks among the top 25 programs in the world (http://www.ust.hk/eng/about/ranking.htm).

Prof. Luo's research interest spans from nanomaterials chemistry and physics to nanobioelectronics. In particular, his group concentrates on materials chemistry and sensing electronics (such as functional polymers, carbon nanotubes, quantum dots and nanowires, graphene, DNA, etc.).

Current research projects include:

1) Graphene chemistry and physics;
2) Functionalization of Nanomaterials;
3) Fabrication of devices;
4) Theoretical modeling.

Please see our website at http://www.ceng.ust.hk/keztluo.html

Multiple positions are available. The scholarships are either for 3 years (for the ones already with a master degree) or 4 years (for the ones without a master degree) towards a Ph.D. and 2 years for M.Phil degree. The current stipend is HK$14,000(US$1810) per month tax-free. Exceptionally outstanding applicants may also consider applying for the prestigious Hong Kong PhD Fellowship. This fellowship provides with a monthly stipend of HK$20,000 (~US$2,600/month) and a conference travel allowance of HK$10,000 (~USD1,300) per year for a maximum period of three years.

Self-motivated Undergraduate or Mater students, with degree in chemistry, physics, engineering and a strong desire to do creative work in a new and rapidly growing field are strongly encouraged to apply.

Postdoc Candidates

Postdoc candidates should possess a Ph.D. in chemistry, physics or engineering. Excellent written English and oral communication skills are required.

The postdoc positions are in the following areas:

1. Graphene growth by chemical vapor deposition
2. Micro- and nano-scale design/fabrication with graphene, device physics.
3. Energy-related or biological application of graphene-based materials

Working knowledge of cleanroom fabrication, materials synthesis, processing and characterization. Experience with in situ TEM and DNA technology is desirable.

Exceptional candidate in other related field will also be considered.

The postdoctoral fellow is expected to lead his/her project and to train graduate and undergraduate students and research assistants. This is a one-year term appointment with the possibility of renewal based upon satisfactory job performance, continuing availability of funds, and on-going operational needs.

Salary will be commensurate with qualifications and experience.

Please send a CV, a brief research statement, and two to three letters of reference electronically as PDF files to keztluo@ust.hk.