

CUHK Department of Electronic Engineering:

Summer Recruitment Workshop for Postgraduate Students 2014/15

The Department of Electronic Engineering at the Chinese University of Hong Kong (CUHK) (<http://www.ee.cuhk.edu.hk>) was first established in 1970 by Professor Charles Kao, who is famous for his pioneering work on the optical fibers for which he won the 2009 Nobel Prize in Physics. We have grown steadily and we now have 27 talented professors (including 7 IEEE Fellows) complemented by more than 50 research and technical supporting staff. We pursue excellence in both fundamental and applied research in 7 major areas: Very Large Scale Integration (VLSI) Design, Microwave and Wireless Communication, Solid States, Photonics, Biomedical Engineering, Digital Signal Processing, Visual Signal Processing and Communications.

We cordially invite exceptional students worldwide to attend our PhD recruitment workshop during Aug 3 – Aug 8, 2014. The workshop will offer selected prospective applicants a unique opportunity to learn more about the research opportunities at the EE Department of CUHK, visit our research labs and facilities, interact with EE professors, and sit for an interview for admissions to the PhD program in EE at CUHK. The goal of this workshop is to attract high-quality students to our PhD program. We promise

1. Every participant has an interview opportunity for PhD admission on the last day of the workshop;
2. Some PhD offers for exceptionally good candidates can be made shortly after interview;
3. Our professors will keep contact with other PhD applicants and more offers will be sent in the coming months;
4. Free accommodation at our campus hostel for 6 nights (Aug 3 – Aug 8);
5. Free lunch at our campus hostel for 6 days (Aug 4 – Aug 9), and welcome dinner banquet on Aug 4; and
6. Travel subsidy of up to HKD \$750 upon completion of workshop.

1. Application Material Submission:

Each applicant need to submit the following documents to the email account:
workshop_ee@ee.cuhk.edu.hk

1. Curriculum vitae (including contact information, name of university, department or program, cumulative GPA, class ranking, regional or national awards or scholarships, and list of journal publications or conference papers). Please highlight unique features of your academic background or preparation that merits your special consideration for an HKPFS fellowship (<https://cergl.ugc.edu.hk/hkpfs/index.html>).
2. Scanned copy of official academic transcript
3. If available, please provide a scanned copy of your TOEFL or IELTS test scores as well as your previously published papers in the application package as well.
4. There will be **no application fee**.

Please indicate you have strong interest in pursuing PhD at the EE Department of CUHK. Otherwise, please do not apply for this workshop. If we make a PhD offer after the workshop, we expect a firm commitment.

2. Important Dates:

Application submission deadline: April 30, 2014

Result announcement: May 15, 2014

Workshop: August 4 – 8, 2014

3. Workshop Program:

August 3, 2014 (Monday)

Check in at the CUHK campus hostel

August 4, 2014 (Monday)

Morning	<ol style="list-style-type: none"> 1. Registration and welcome addresses 2. Introduction to the PhD curriculum and research opportunities in EE 3. Introduction to the application to the Hong Kong Postgraduate Fellowship Scheme 4. Admissions process and selection criteria
Afternoon	<ol style="list-style-type: none"> 1. Research seminars I: Biomedical robotics and imaging <ol style="list-style-type: none"> a. “Intelligent Robots and Sensors: From small intestine to the moon,” Prof. Qinghu MENG b. “Recent Advances in Surgical Simulation,” Prof. Pheng Ann HENG c. “Computational Diffusion Tensor MRI,” Prof. Xiaogang WANG d. More talks to be announced 2. Campus tour (scenic spots, student canteens, hostels)
Evening	Welcome dinner banquet with professors

August 5, 2014 (Tuesday)

Morning	<ol style="list-style-type: none"> 1. Research seminars II: VLSI and ASIC Design <ol style="list-style-type: none"> a. “Improve the energy efficiency of data converters through innovations in circuits and devices,” Prof. Kong Pang PUN b. More talks to be announced 2. Research poster session and discussion with current PhD students
Afternoon	<ol style="list-style-type: none"> 1. Panel discussion with professors and PhD students <ol style="list-style-type: none"> a. Making the right decision: Why do a PhD at CUHK? What’s the PhD life like? b. Career prospects of recent PhD graduates from CUHK c. How to pursue excellence in research? 2. Small-group meetings with professors <ol style="list-style-type: none"> a. Each participant can select four professors and talk to them individually (30 minutes for each professor).
Evening	Free time

August 6, 2014 (Wednesday)

Morning	Lab visit and demonstration
Afternoon	<ol style="list-style-type: none"> 1. Research seminar series III: Biosensors and devices <ol style="list-style-type: none"> a. “Engineering the Microbes,” Prof. Pun To YUNG b. “Flexible Biosensors and Wearable Devices,” Prof. Carmen POON c. More talks to be announced 2. Panel discussion <ol style="list-style-type: none"> a. Tips for applying to the CUHK EE Division and HKPFS b. Survival guide for an international student in Hong Kong (e.g., finance, cultural shock, life in Hong Kong)
Evening	Free time

August 7, 2014 (Thursday)

Morning	<ol style="list-style-type: none"> 1. Research Seminars IV: Photonics, Nanoelectronics, Optical Communication <ol style="list-style-type: none"> a. “Nanostructured semiconductors for optoelectronic and bio-electronic applications,” Prof. Ni ZHAO b. “Nanotechnology for energy applications,” Prof. Ni, ZHAO c. More talks to be announced
Afternoon	<ol style="list-style-type: none"> 1. Research Seminars V: Microwave and Wireless Communication <ol style="list-style-type: none"> a. Research talks to be announced 2. Research Seminars VI: Multimedia, Image and Video Processing, Digital Signal Processing <ol style="list-style-type: none"> a. “Convex Geometry for Blind Separation: How Different Ideas in Signal Processing, Remote Sensing and Machine Learning Converge,” Prof. Wing Kin MA b. “Deep Learning in Computer Vision,” Prof. Xiaogang WANG c. More talks to be announced
Evening	Free time

August 8, 2014 (Friday)

Whole day	Admissions interviews with workshop participants
-----------	--------------------------------------------------

*Titles of research seminars given by professors may be subject to change in the last minute.

4. Frequently Asked Questions

Q: What is the target group of workshop applicants?

A: We welcome undergraduate students in their penultimate year of study or master students with a major in EE or other related science and engineering disciplines.

To promote diversity and selectivity of the applicant pool, we encourage applications from top students currently enrolled in top institutions in mainland China (i.e., universities sponsored by Project 985), Taiwan, Singapore, Malaysia, and other South East Asian countries.

Q: When are your selection criteria? Is there a quota for the total number of participants?

A: Our selection criteria are straightforward: academic excellence, research ability and potential, as well as interest in applying to postgraduate studies in EE at CUHK through the Hong Kong Postgraduate Fellowship Scheme (HKPFS). Interested workshop applicants are encouraged to find more about the HKPFS at <https://cerg1.ugc.edu.hk/hkpfs/index.html>. To ensure selectivity of the workshop, we do not intend to admit more than 30 applicants.

Q: When is the summer workshop? What events does your workshop include?

A: The official workshop lasts for five whole days from August 4 (Mon) to August 8 (Fri). Workshop participants are welcomed to move in to the CUHK campus hostel on the evening of August 3 (Sun) and stay until the morning of August 9 (Sat).

Q: When will I hear a decision?

A: Your application will be carefully reviewed by our selection panel. We will notify all applicants by email no later than **May 15**, so as to provide successful applicants with sufficient time to obtain a travel visa and visit CUHK in early August.

5. Contact person:

Prof. Xiaogang Wang (xgwang@ee.cuhk.edu.hk)