



理學院通訊 Newsletter



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CUHK SCHOLAR NAMED CROUCHER SENIOR RESEARCH FELLOW 2007-2008



Professor Emily SC Ching of the Department of Physics was presented the prestigious Senior Research Fellowships of The Croucher Foundation on 28 March 2007, in recognition of their outstanding scientific achievements in the international scientific community. The Croucher Senior Research Fellowships scheme was first introduced in 1997/98 academic year. The value of each Senior Research Fellowship is about US\$100,000. It is awarded to local academics who have excelled in scientific research work. In recognition of their success and to encourage their further achievement in their given fields, funds will be awarded to the universities in which they are employed. This enables the University to recruit an academic to take over the award winner's duties for the period of the fellowship. The fellow will then be relieved from teaching tasks from six months to one year and in turn can devote more time and effort to research work. Each winner will also receive a cash award of HK\$40,000.

Professor Ching obtained her B.Sc. degree in Physics with first class honours from the University of Hong Kong and her M.Phil. degree in Physics from the Chinese University of Hong Kong. She then went to the United States to further her studies and received her Ph.D. degree in Physics from the University of Chicago. She was a postdoctoral fellow at the Institute for Theoretical Physics at the University of California, Santa Barbara before returning to Hong Kong. She joined the Department of Physics at the Chinese University of Hong Kong as a Lecturer in 1995 and became a Professor in 2001.

Professor Ching's research work is internationally recognized. She was awarded the Achievement in Asia Award from the Overseas Chinese Physics Association in 1999 "for contributions to the understanding of the complex fluctuations in fluid turbulence". She was elected the Fellow of the UK Institute of Physics and the American Physical Society in 2004 and 2005 respectively. The citation for her American Physical Society Fellowship reads "For leadership in the analysis of turbulent and chaotic dynamics, and particularly for elucidating the structure of turbulent correlations in turbulent systems". She also serves in the Editorial board of various journals including the Journal of Turbulence.

Congratulations to Professor Ching!



Professor YANG Chen Ning, Nobel Laureate in Physics and Distinguished Professor-at-Large of CUHK, presented the award to Professor Emily Ching of the Department of Physics and Professor Hsiao Chang Chan of the Department of Physiology

EXEMPLARY TEACHING AWARD IN GENERAL EDUCATION 2007

Dr. Wong Wing Hung, Senior Instructor of the Physics Department, has been awarded the 1st Exemplary Teaching Award in General Education in March 2007. Dr. Wong is one of two awardees in the inception award.

Dr. Wong received his BS, MS and PhD degrees from the Department of Physics, the Chinese University of Hong Kong. He began teaching in CUHK in 1996. His research interests include condensed matter physics and optics. Dr. Wong has a deep interest in theology, and in 2004 was awarded a Master of Christian Studies degree by the Lutheran Theological Seminary.



Congratulations to Dr. Wong!

CENTRALIZED SCIENCE LABORATORY BUILDING



The new Centralized Science Laboratory Building (CSLB) on the south side of Science Centre is now ready for occupation. CSLB has 6400m² gross floor area. Both the Faculty of Medicine and Science will acquire space therein to house wet laboratories that involve high-risk activities.

ELECTION OF SENIOR LECTURER/LECTURER REPRESENTATIVES ON FACULTY BOARD

The election of Senior Lecturer and Lecturer representatives to serve on the Science Faculty Board in 2007/08 and 2008/09 will take place in the following weeks.

1st Round: 16 - 20 April 2007

2nd Round: 23 - 27 April 2007

There will be 2 seats for Senior Lecturer and 4 seats for Lecturer. The term of office will be 2 years from 1 August 2007 to 31 August 2009. Opening of ballots will be witnessed by Professor W Y Poon, Associate Dean (Education) on 20 April 2007 and 27 April 2007 at 2.15pm in Room 128, Science Centre. All staff are welcome.

EDUCATION AND MANPOWER BUREAU (EMB) AWARDS

Towards the end of 2006 and the beginning of 2007, the Faculty won 2 bids to organize activities for the EMB.

1. Production of Learning and Teaching Materials of the New Senior Secondary Integrated Science Curriculum

The Faculty will produce learning and teaching resources for 3 modules under the New Senior Secondary Integrated Science Curriculum viz "Radiation and Us", "Keeping Ourselves Healthy" and "Chemistry for World Needs". The amount of award is close to \$363,000.

2. International Junior Science Olympiad

The Faculty will engage a student training course to prep the Hong Kong representatives for the 4th International Junior Science Olympiad to be held in Taipei in December 2007. The amount allocated is close to \$200,000.

A SCIENCE ENRICHMENT PROGRAMME FOR SECONDARY 3 - 4 STUDENTS



The Science Enrichment Programme aims to provide students with opportunities to explore and develop higher order thinking skills, creativity, and personal-social competence. There will be 3 phases in the programme. For phase 1, participants are required to attend at least 4 out of the 6 workshops, which will be held on alternate weekends. Each workshop lasts 6 hours and are delivered by professors/instructors of the Chinese University of Hong Kong. The workshops include lectures with a wide range of topics in science (including Biochemistry, Biology and Chinese Medicine, Chemistry, Mathematics, Physics and Statistics) and various activities such as visits, demonstrations, and scientific games, followed by various forms of assessments. Some 100 students with best performance in Phase 1 will be invited to join Phase 2 of the Enrichment Programme.

The kick-off for this project was held on Saturday 3 March 2007. A total of 240 participants attended lectures on Statistics, the first in a series of workshops on Biological Sciences, Physical Sciences and Mathematics Sciences. The second, third and fourth workshops on Chemistry, Physics, and Biology and Chinese Medicine were also held on Saturday 17 March, 24 March and 31 March 2007 respectively. The Mathematics workshop and Biochemistry workshop will be held on 14 April 2007 and 28 April 2007.

The project received HK\$2,000,000 from the Quality Education Fund. More details of this project is located at: <http://www.cuhk.edu.hk/sci/qef-s34/>.

Highlight of the Statistics workshop as follows:



CALENDAR

Events Planned in the Months of April - May 2007

Department	Date, Time and Place	Events
Biology	11 April 2007 SC 297 2:30pm	Seminar Cell Biology of the Tapetum in Maize and Brassica Professor Anthony Huang, Department of Botany and Plant Sciences, University of California at Riverside, U.S.A.
	12 April 2007 SC L5 12:30pm - 1:15pm	Seminar Biofuels: Facts and Myths Professor Anthony Huang, Department of Botany and Plant Sciences, University of California at Riverside, U.S.A.
	12 April 2007 SC L5 6:30pm	Seminar Vitae, Personal Statement, Cover Letter and Interview Skills Professor Anthony Huang, Department of Botany and Plant Sciences, University of California at Riverside, U.S.A.
	19 April 2007 SC 297 2:30pm	Seminar Exploring the Marine Biodiversity of the World, with Special Emphasis on Tropical Deep-sea Benthos Professor Tin-Yam Chan, Institute of Marine Biology, National Taiwan Ocean University
Chemistry	2 April 2007 Ching Kai Hall, BMS 2:30pm	Seminar Toward a structure-based HIV vaccine design Professor Xiang-Peng Kong, NYU School of Medicine, USA
	12 April 2007 SC L4 3:30pm	Colloquium Cooperative Effect: Lewis Acid-Mediated Reactions of Zirconacycles Professor Zheng-Feng Xi, Peking University, P.R. China
	13 April 2007 LSB LT6 2:30pm	Colloquium The New World of Phospha-Organometallic Chemistry Prof. John Nixon, University of Sussex, USA
	16 April 2007 LSB LT1 3:30pm	Seminar New Types of Constrained Geometry Catalysts Containing Silacycloalkyl Ligands: Synthesis, Structure, and Polymerization Activity Prof. Sang Ook Kang, Korea University, Korea
	17 April 2007 LHC Room 106 10:30am	Colloquium Recent Development on Carborane Chemistry; from Organometallics to Boron Neutron Capture Therapy Professor Sang Ook Kang, Korea University, Korea
	20 April 2007 SC LG23 3:30pm	Colloquium Transition Metal Catalyzed Borylation of C-H Bonds Professor Todd B. Marder, Durham University, England
	28 April 2007 Esther Lee Building 9:30am to 5:00pm	The 14th Symposium on Chemistry Postgraduate Research in Hong Kong a) A keynote lecture (LT1) - "Thermodynamically and Kinetically Controlled Template-Directed Synthesis", Professor Sir James Fraser Stoddart, Fred Kavli Chair in NanoSystems Sciences, Director of California NanoSystems Institute, University of California b) Oral session by postgraduates (LT1) - One postgraduate student representative from each of the six universities, i.e. HKU, CUHK, HKUST, HKBU, PolyU, CityU, c) Poster session throughout the symposium
Food and Nutritional Science	11 April 2007 SC L4 1:00pm	Career Talk How can you equip yourself to move up to a SUPER nutritionist? MR Wing Chun WONG

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地址: 香港新界沙田香港中文大學科學館北座G43室

Address: G43, Science Centre North Block, CUHK, Shatin, N.T.

電話/Tel: 2609 6327 傳真/Fax: 2603 5156 電郵/Email: sfo@cuhk.edu.hk

網址/website: <http://www.cuhk.edu.hk/sci/>