



香港中文大學理學院
Faculty of Science, CUHK



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

理學院通訊

Newsletter



2014年農曆新年 第50期

Issue 50, Chinese New Year 2014

馬勁功成
新年快樂



We wish you and your loved ones a fruitful
Year of the Horse.

Faculty of Science



2014 甲午馬年



Mathematics Master Shares Vision of Education

Prof. **YAU Shing-tung**, internationally renowned Mathematician, Wolf Prize and Fields Medal Laureate, Distinguished Professor-at-Large, and Director of Institute of Mathematics, returned to CUHK to give a CUHK 50th Anniversary Distinguished Lecture on 23 December 2013. Entitled “150 Years of Mathematics at Harvard”, Professor Yau’s talk attracted over 300 faculty members, students, alumni, and members of the public.

Concurrently a mathematics professor at Harvard University, Professor Yau shared his insights into the success of the Mathematics Department at Harvard, how it has grown over the past century and a half, and its role in making critical advances in a field previously dominated by Europeans.

Besides providing an overview of the history of mathematics at Harvard University, Professor Yau shared his vision of mathematics education for the nurturing of future generations of mathematicians and leaders of society. This event marked a splendid conclusion to the Faculty and the University’s Golden Jubilee celebrations. Click [here](#) to view the lecture recording and selected photo highlights.



After his well-received lecture, Prof. YAU Shing-tung (second left) gathered with (from left) Dean of Science Prof. Henry N.C. WONG, Vice-Chancellor Prof. Joseph SUNG and Mathematics Chairman Prof. Raymond H.F. CHAN for a photo.



Following his talk, Professor Yau held a signing session.

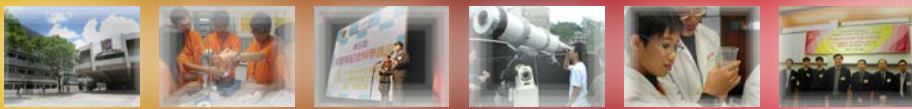
Science Faculty’s Fellowship of Learning



Science Faculty’s Choh-Ming Li Professors gathered for a photo with Prof. Henry N.C. WONG, Dean of Science (third left).

On 17 October 2013, the 50th anniversary of the University, three Science Faculty members were among the group of 11 outstanding professors installed as the inaugural batch of Choh-Ming Li Professors. As recognition and encouragement for their continued pursuit of academic and research excellence, the Choh-Ming Li Professors were provided with funds for a period of five years. The Science Faculty’s Choh-Ming Li Professors include:

- **Prof. CHAN Ngai-hang** (Statistics),
- **Prof. Raymond H.F. CHAN** (Mathematics), and
- **Prof. Zuwei XIE** (Chemistry).



Excellence in Teaching and Learning Honoured

Hundreds gathered on the joyous occasion of the recognition of outstanding achievements of Science Faculty students and teachers at the Science Faculty



Dean of Science, Prof. Henry N.C. WONG (centre) congratulated the six recipients of the Science Faculty Exemplary Teaching Award 2013.

Exemplary Teaching Awards *cum* Dean's Honours List Presentation Ceremony on 11 January 2014. Six faculty members received the Faculty Exemplary Teaching Award 2013, including **Prof. KWAN Kin-ming** (Life Sciences), **Prof. LEUNG Chi-wai** (Mathematics), **Prof. Dennis K.P. NG** (Chemistry), **Prof. POON Wai-yin** (Statistics) and **Prof. WONG Kam-bo** (Life Sciences), while 230 Science Faculty students earned a place in the Dean's Honours List for their exceptional academic performance in 2012/2013. Also honoured at the Ceremony were six secondary students trained by the Faculty to compete in the 10th International Junior Science Olympiad 2013, who earned a total of two gold medals and four silver medals.

Hearty congratulations to all!

CPSE Ignites Students' Interest in Science

Since its establishment in 2000, the Centre for Promoting Science Education (CPSE) has been striving to serve as a platform for the dissemination of science and technology advancements to the public, while advocating for the propagation and advancement of science education in Hong Kong. The Centre's Science Academy for Young Talent (SAYT) has been providing sound training in various sciences to talented secondary students during summers since 2010. In the summer of 2013, more than 300 students enrolled in five university-level credit-bearing courses, and nine academy-level credit-bearing courses. These enrichment courses covered

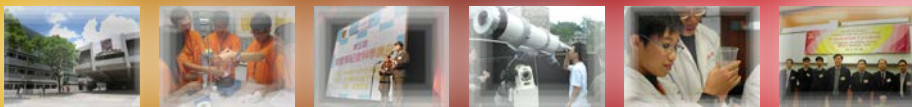


The SAYT offers summer courses for secondary students talented in the sciences.

a wide range of innovative scientific topics including but not limited to astronomy, biomedical sciences, bionics, chemistry, and mathematics. Furthermore, SAYT co-organized a nanotechnology course with National Taiwan University last summer, which was very well-received by the students.

Besides offering courses for secondary students, the Centre also currently hosts The Learning by Engaging and Teaching (LET) Programme. As part of the programme, a number of our students took part in several training sessions jointly organized by the Faculty of Science and the Summer Teacher AppRenticeship (STAR) Programme of the Physics Department. These sessions included the workshop "Basic Training for New Science Teachers" held at the CUHK Independent Learning Centre and a Training Day Camp at the Tai Mei Tuk Outdoor Activities Centre. At the workshop, students were trained to become competent teachers by improving their time management, presentation, and other soft skills through in-class practice and discussion. At the Training Day Camp, students





were provided with opportunities to develop, for example, their communication skills, team spirit, self-confidence, and leadership through planned challenges. After training, students felt better prepared to act as demonstrators, event organizers and teaching assistants at our Faculty. Self-reflection sessions were subsequently held to provide students with opportunities to reflect on their learning and share their good practices to help each other to further refine their abilities and skills.

For more information about SAYT, please visit the [Academy Website](#). More information about LET can be found on the [Programme Website](#). To learn about STAR, please visit the [Programme Website](#).

The Centre is now preparing for the SAYT 2014 summer courses. Units interested in offering courses for bright secondary students this summer are requested

to contact Miss Joyce Leung (3943 1387; pyleung@cuhk.edu.hk) by 30 January.



The LET Programme equips students with the necessary confidence and skills to become leaders.

Unveiling the Science behind the 2013 Nobel Prizes The 9th Lau Oi Wah Memorial Science Lecture Series



(From left) Prof. JIANG Liwen, Prof. CHU Ming-chung, and Prof. WANG Yi delivered captivating talks related to the 2013 Nobel Prizes.

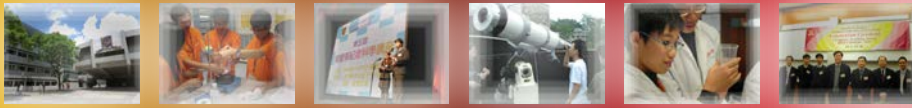
Award-winning scientific discoveries were introduced to senior secondary students in three accessible lectures as part of The 9th Lau Oi Wah Memorial Science Lecture Series, held on 16 November 2013 at Sir Run Run Shaw Hall, CUHK. More than 600 participants came out to hear speakers from the Science Faculty give talks related to the Nobel Prizes in Chemistry, in Physics, and in Physiology or Medicine. The three talks were well-received by the audience, and a large majority of the students found the talks exciting and made them more interested in the sciences.

The topics of the lectures delivered were as follows:

- “The traffic control system in our cells wins Nobel Prize” by **Prof. JIANG Liwen** (Life Sciences);
- “Looking through the computational microscope: how computers help us understand chemical and biological systems” by **Prof. WANG Yi** (Physics); and
- “The ‘God particle’ – what it is and why we care” by **Prof. CHU Ming-chung** (Physics).

The Faculty and The Lau Oi Wah Memorial Fund will be holding the 10th Lau Oi Wah Memorial Science Lecture Series on Saturday, 22 March 2014 at Sir Run Run Shaw Hall. For details and registration, please visit the [event website](#).





Important Dates and Events

 29 January (Wednesday)

“Green Fluorescent Protein (GFP): Lighting Up Life”

The School of Life Sciences and Department of Chemistry will host a joint seminar to be delivered by 2008 Nobel Prize in Chemistry winner **Prof. Martin CHALFIE**. Click [here](#) for event details.



 24 February (Monday)

Vice-Chancellor and Provost's Town Hall Meeting

The captioned meeting will be held on 24 February. Details of the meeting are as follows:

Date: 24 February 2014 (Monday)

Time: 3:00p.m. - 4:30p.m.

Venue: Swire Hall, Fung King Hey Building



 8 March (Saturday)

Science Faculty Retreat on Strategic Planning 2013/14

The Faculty will hold the 2013/14 Retreat on 8 March in preparation for the Quality Assurance Council Audit and ADP 2016-2019. Details of the Retreat are as follows:

Date: 8 March 2014 (Saturday)

Time: 9:00a.m. - 4:00p.m.

Venue: Shatin Clubhouse, Hong Kong Jockey Club



 22 March (Saturday)

The 10th Lau Oi Wah Memorial Science Lecture Series

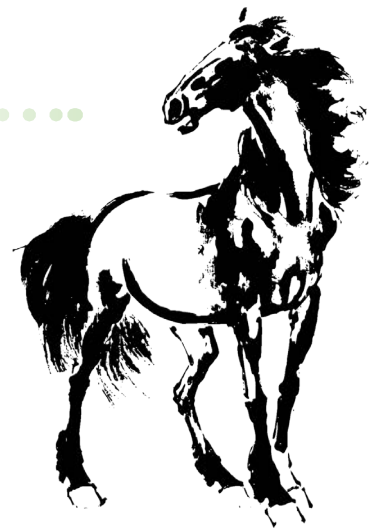
Five talks on various branches of science will be delivered at the tenth instalment of the Lecture Series on 22 March. Details of the event are as follows:

Date: 22 March 2014 (Saturday)

Time: 9:30a.m. - 1:30p.m.

Venue: Sir Run Run Shaw Hall, CUHK

Details and Registration: [Event Website](#)



理學院通信 Faculty of Science Newsletter

地址：香港新界沙田香港中文大學科學館高錕樓G43室
Address: Room G43, Charles Kao Building, Science Centre, CUHK, Shatin, N.T.

電話 / Tel: 3943 6327 傳真 / Fax: 2603 5156

電郵 / Email: sfo@cuhk.edu.hk

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

Facebook: <https://www.facebook.com/CUHKScience>

