



Hong Kong Institution of Science 19th Annual Conference 2011 香港科學會第十九屆年會

Date: 12 November 2011 (Saturday)

Time: 1:45p.m (Registration)
2:15p.m. - 5:45p.m. (Conference)

Venue: Chiang Chen Studio Theatre, The Hong Kong Polytechnic University

Annual Dinner

Time: 6:30p.m. - 10:00p.m.

Venue: Staff Club, 5/F, Communal Building, The Hong Kong Polytechnic University

Fee: HK\$260 (Buffet Dinner)

Space Exploration - Present and Future

The conference is an annual event organized by the Hong Kong Institution of Science (HKIS). Eminent scientists will deliver talks on their cutting edge research as well as on the advancement of science and technology in Hong Kong and mainland China. The event will provide a platform for scientists from different disciplines to discuss issues that may have an impact on the development of science and technology in the region.

The talks will be open to all university students and general public to enhance their interest in science and technology as well as raise their awareness of career opportunities in this area.

Programme	
1:45 pm	Registration
2:15 pm	Welcome speech by Prof. Philip C.H. CHAN Acting President, The Hong Kong Polytechnic University
2:25 pm	Welcome speech by Prof. Tony F. CHAN President of Hong Kong Institution of Science
2:35 pm	Opening address by Prof. Chia-wei WOO
2:55 pm	Presentation of 2011 Young Scientist Awards
3:45 pm	Tea Break
4:15 pm	Prof. Sun KWOK, Dean of Science, The University of Hong Kong Topic: Astronomy from Space
4:45 pm	Prof. Yong-qi CHEN, Emeritus Professor Department of Land Surveying and Geo-Informatics The Hong Kong Polytechnic University Topic: Developments in Lunar Mapping and Geodesy
5:15 pm	Prof. Kwing Lim CHAN, Professor, Department of Mathematics The Hong Kong University of Science and Technology Topic: Science Issues of Solar System Exploration
5:45 pm	End of Conference Annual General Meeting of Hong Kong Institution of Science
6:30 pm	Annual Dinner Venue: Staff Club, The Hong Kong Polytechnic University Dinner Talk by Miss Janet WONG, Commissioner for Innovation and Technology

Astronomy from Space

Professor Sun KWOK
Dean of Science, The University of Hong Kong

The science of astronomy has undergone a major revolution in the last 30 years with our ability to place telescopes in space. Placed above the Earth's atmosphere, we can now explore the Universe beyond visible light, and learn about the constitution of the Universe through observations in the X-ray, ultraviolet, infrared, etc. In this talk, we will present an overview of how modern astronomy is conducted in space.

Developments in Lunar Mapping and Geodesy

Professor Y.Q. CHEN
Emeritus Professor, Department of Land Surveying and Geo-Informatics
The Hong Kong Polytechnic University

This presentation summarizes the developments in lunar mapping and geodesy at the Department of Land Surveying and Geo-Informatics of The Hong Kong Polytechnic University. In the area of lunar mapping, we developed a methodology of integrating lunar imagery and laser altimeter data for precision lunar topographic mapping, and also assessed the accuracy of lunar topography models derived from ChangE-1, SELENE and other data sources. In the area of lunar geodesy, we evaluated the consistency of ChangE-1 and SELENE reference frames, determined the best fitting lunar figures from the recent lunar missions, and estimated lunar global crustal thickness and mass distribution anomalies with geodetic inversion techniques using the latest gravity and topographic data from SELENE mission.

Science Issues of Solar System Exploration

Professor CHAN Kwing Lam
Professor, Department of Mathematics
The Hong Kong University of Science and Technology

The solar system includes planets and their moons, dwarf planets, asteroids, comets, and essentially all the heavenly bodies inside the heliosphere. Nowadays space technology has made sending probes to many of these objects possible, and missions doing such are being carried out. What are the scientific issues and objectives being pursued? A concise review will be presented.

Dinner Talk:

Government Funding Initiatives Regarding Research and Development in Science and Technology

Miss Janet Wing-chen WONG
Commissioner for Innovation and Technology, HKSAR

Registration

Please register online at :
http://www.polyu.edu.hk/fce/events/hkis_conference

Enquiry

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THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

校園地圖
Campus Plan



Conference Venue:
Chiang Chen Studio Theatre

Dinner Venue:
Staff Club,
5/F Communal Building

