ACTIVITIES IN CELEBRATION OF THE FOUNDING OF THE INSTITUTE OF CREATIVITY







Institute of Creativity

C reativity is crucial not only in academic disciplines but in all spheres of development. In the modern era, creativity lies at the heart of the advancement of science, technology, business, the arts and society. Highly creative people who excel at innovation tend to differ from others in that they have a high level of specialised knowledge, and are capable of divergent thinking. This brings the important linkage between creativity and education, because the latter is the cradle of the former.

With a vision to become the leading higher education institution for creativity, HKBU establishes the Institute of Creativity to strengthen the research culture, nurture a critical mass of research talent, sharpen the research performance and further promote the development of interdisciplinary research and theme-based research on campus. Led by renowned scholars, including Nobel Laureates in different academic disciplines, the Institute will be a high-powered think tank where students, researchers and faculty members of the University can interact and exchange ideas with these world-class scholars.



Message from Chairman of the Council and the Court

Hong Kong Baptist University

The launch of the Institute of Creativity is a highly significant landmark for Hong Kong Baptist University and, of course, a most welcome birthday gift as we celebrate our 55th anniversary.

The presence of Nobel Laureates at the founding of the Institute is also an immense source of inspiration to us all at the University. It is a distinct honour to be in the company of persons who have scaled such pinnacles of success.

The Institute of Creativity is destined to become an invaluable tool in fulfilling the University's first and foremost mission, which is to nurture the leaders of tomorrow. It is also tangible evidence of the growing sense of momentum and an increasingly dynamic outlook on the HKBU campus.

Creativity is no doubt the key to success in the modern world. It is a much desired leadership competency for successful enterprises of the future. The Institute of Creativity is the latest initiative we are introducing to ensure that the Whole Person Education we deliver is comprehensive, diversified and international in outlook, so that our graduates can play effective leadership roles in the community.

By maximising the creative potential of our students and faculty members, and by inviting renowned scholars to participate in this exciting venture, the Institute will serve as a cradle to nurture out-of-the-box ideas and interdisciplinary collaboration – a place where dreams come true!

The birth of the Institute of Creativity owes much to the vision and leadership of President Albert Chan, and the dedication of many colleagues at HKBU. The Institute will be a valuable asset in our drive to achieve the highest standards when we pursue quality teaching and learning, innovative research and dedicated service to the community.

Wilfred Wong *Chairman of the Council and the Court*



Message from President and Vice-Chancellor

Hong Kong Baptist Unive<mark>rsit</mark>y

The founding of the Institute of Creativity at Hong Kong Baptist University is a truly momentous occasion. It opens a new page not just in the annals of our beloved University but in the history of higher education in Hong Kong. I am very glad that this grand celebration is graced with the presence of distinguished scholars of world renown, winners of the supreme accolate of achievement – the Nobel Prize.

The Institute of Creativity is a unique initiative in Hong Kong. It is to play a vital role in the realisation of the strategic vision that we have laid out for our development in the current decade. Our goal is to become the best provider of Whole Person Education by the year 2020, not just in Hong Kong but throughout the region.

The Institute of Creativity will serve as a rich wellspring of new ideas, a potent driving force in our endeavours to develop our campus into one that is genuinely world-class, and offers excellent opportunities for teaching, learning and research.

We already pride ourselves on giving our students the learning opportunities, vibrant campus and international outlook that equips them to be effective members of a globalised community. I am confident that the Institute of Creativity will further strengthen research activities among our faculty members, and will take the student experience to a new level by offering opportunities of direct interaction with world-class scholars who give us the benefit of their deep wisdom, proven scholarship and wide experience.

Their presence alone will serve as a model of what can be achieved. Their active involvement in our academic endeavours will be invaluable in harnessing and maximising the creativity that is a crucial quality in meeting present and future challenges.

I hope you will enjoy the sharing at the lectures and forums!

Albert Chan President and Vice-Chancellor ACTIVITIES IN CELEBRATION OF THE FOUNDING OF THE INSTITUTE OF CREATIVITY

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Programme

Public Lecture: My Learning Experience 我的學習經歷 Professor Chen Ning Yang

24 March 2011 (Thu) 4:30pm Dr. Hari Harilela Lecture Theatre (WLB103), Shaw Campus (conducted in Putonghua)

Forum on Creativity Professor Chen Ning Yang Professor Torsten N. Wiesel

29 March 2011 (Tue) 10:30am Dr. Hari Harilela Lecture Theatre (WLB103), Shaw Campus (conducted in English)

Public Lecture: Science as an Instrument for Peace *Professor Torsten N. Wiesel*

1 April 2011 (Fri) 4:30pm Dr. Hari Harilela Lecture Theatre (WLB103), Shaw Campus (conducted in English)

Public Lecture: Science as an Artistic Adventure Professor Dudley R. Herschbach

4 April 2011 (Mon) 4:30pm Dr. Hari Harilela Lecture Theatre (WLB103), Shaw Campus (conducted in English)

Exhibition: In Search of the Miraculous *MuKha*

Opening reception: 29 March 2011 (Tue) 12:00noon Exhibition: 29 March to 2 April 2011 10:00am – 6:00pm Lam Woo International Conference Centre Gallery, Shaw Campus



Chen Ning Yang

Nobel Laureate in Physics 1957

Born in Hefei, Anhui province in 1922, Professor Yang received his B.Sc. from Southwest Associated University in China in 1942, his M.Sc. from Tsinghua University in China in 1944, and his Ph.D. from the University of Chicago in USA in 1948.

In 1949 he became a Member of the Institute for Advanced Study at Princeton University, becoming Professor of the Institute in 1955. From 1966-1999 he was Einstein Professor at the State University of New York, Stony Brook, and Emeritus Professor from 1999. At the same university he was Director of the Institute for Theoretical Physics from 1966-1999. He was appointed Distinguished Professor-at-large by The Chinese University of Hong Kong in 1986, and Professor by Tsinghua University in 1998.

He was awarded the Nobel Prize in Physics in 1957 jointly with colleague Tsung-Dao Lee for their penetrating investigation of the so-called parity laws which has led to important discoveries regarding the elementary particles. His many other honours include the American Academy of Arts and Sciences' Rumford Prize (1980), the National Medal of Science, USA (1986), the Benjamin Franklin Medal (1993), Bower Award (1994), the China International Science and Technology Cooperation Award (1995), the N. Bogoliubov Prize (1996), the Lars Onsager Prize (1999), the King Faisal International Prize (2001), the You Bring Charm to the World Award - Prize of Success for Life (2006). He is a member of the US National Academy of Science, a foreign member of Britain's Royal Society, a foreign member of the Russian Academy of Sciences, a member of the Pontifical Academy of the Vatican, a foreign member of the Chinese Academy of Sciences, and a member of the Academia Sinica in Taiwan.

Professor Yang has published about 300 papers in the journals Physical Review and Physical Review Letters. His books are: Selected Papers 1945-1980 with Commentary (in English), Freeman, 1983, Collected Papers of Chen Ning Yang (in Chinese), East China Normal University Press, Shanghai, 1998, Shu Guang Ji (in Chinese), Joint Publishing Co., Beijing and World Scientific Publishing Co., 2008.

Abstract

My Learning Experience 我的學習經歷

Chen Nin<mark>g</mark> Yang

I shall share my personal experience as an undergraduate student, a research student and a researcher, describing the highs and lows including the disappointment that I encountered.

我將講述作為本科生、研究生和以後做研究的個人經歷,包括其中的跌宕 起伏與失望。



Torsten N. Wiesel, M.D., F.R.S.

Nobel Laureate in Physiology or Medicine 1981 President Emeritus, The Rockefeller University, USA

Born in 1924 in Uppsala, Sweden, Dr. Wiesel received his medical degree from the Karolinska Institute in Stockholm in 1954, after which he taught in the Institute's department of physiology and worked in the child psychiatry unit of the Karolinska Hospital. He began a fellowship in ophthalmology at Johns Hopkins University Medical School in 1955 and became an assistant professor there in 1958. The following year he became an instructor in pharmacology at Harvard Medical School, beginning a 24-year career with the university. He became professor in the new department of neurobiology in 1968 and its chair in 1971. Dr. Wiesel and David Hubel were together awarded the Nobel Prize in Physiology or Medicine in 1981 for their discoveries concerning information processing in the visual system.

In 1983, Dr. Wiesel moved to Rockefeller University in New York as Vincent and Brooke Astor Professor and Head of the Laboratory of Neurobiology. He was President of Rockefeller University from 1991 to 1998. Since retiring as President of Rockefeller University in 1998, Dr. Wiesel has turned his attention to international science advocacy. Dr. Wiesel has long served as chair of the scientific advisory committee of the Pew Scholars Program. He also helped initiate its Latin American Fellows Program in the Biomedical Sciences, which provides support for Latin American researchers for postdoctoral training in USA. He was chairman of the Board of Governors of the New York Academy of Sciences from 2000 to 2006. From 2000-2009, Dr. Wiesel served as secretarygeneral of the Human Frontier Science Program, established to support international, innovative and interdisciplinary basic research in the life sciences. He is co-chair of the Board of Governors of the Okinawa Institute of Science and Technology in Japan. Dr. Wiesel currently serves on the scientific advisory boards of research institutes in China, India, Brazil, Italy, and USA.

Abstract

Science as an Instrument for Peace

Torsten N. Wie<mark>s</mark>el

It is difficult to talk about peace without talking about war. But how is it possible to have a serious discussion about science and peace in the confused world in which we live? Daily we learn about killings in different wars and insurrections, attacks and madness of suicide bombers, the collapse of the world economy, global warming and statistics showing that nearly half of the world population lives on less than US\$2 a day.

As a child in Sweden in the 1930s, I witnessed the events that led to the Second World War and observed the increasing tensions among the leaders and the people of different countries. As a neuroscientist now, I am particularly conscious of the potential contributions to the prevention of war that can be made through better understanding of how the mind works and how it influences behaviour – especially as it relates to aggression and violence. After all, war is the result of an abnormal state of mind – a yin and yang situation in which the forces of good and evil are upended. We can reduce tensions and barriers that could otherwise lead to war by fostering positive alliances across races, cultures and religions. In the world of science, this interaction occurs naturally because the language of science crosses races, cultures and religions. Touching upon specific examples of scientists whose work has served the cause of peace, my talk will be devoted to the ways in which science can be an instrument for peace.



Dudley R. Herschbach

Nobel Laureate in Chemistry 1986 Frank B. Baird, Jr. Professor of Science, Harvard University

Professor Dudley Herschbach was born in San Jose, California (1932) and received his B.S. degree in Mathematics (1954) and M.S. in Chemistry (1955) at Stanford University, followed by an A.M. degree in Physics (1956) and Ph.D. in Chemical Physics (1958) at Harvard. After a term as Junior Fellow in the Society of Fellows at Harvard (1957-1959), he was a member of the Chemical Faculty at the University of California, Berkeley (1959-1963), before returning to Harvard as Professor of Chemistry (1963), where he is now Baird Professor of Science (since 1976). He has served as Chairman of the Chemical Physics program (1964-1977) and the Chemistry Department (1977-1980), and Co-Master with his wife Georgene of Currier House (1981-1986). His teaching includes graduate courses in quantum mechanics, chemical kinetics, molecular spectroscopy, and collision theory, as well as undergraduate courses in physical chemistry and general chemistry for freshmen, his most challenging assignment. He is engaged in several efforts to improve K-12 science education and public understanding of science. He serves as Chair of the Board of Trustees of Science Service, which publishes Science News and conducts the Intel Science Talent Search and the Intel International Science and Engineering Fair.

He is a Fellow of the American Academy of Arts and Sciences, the National Academy of Sciences, the American Philosophical Society, and the Royal Chemical Society of Great Britain. His awards include the Pure Chemistry Prize of the American Chemical Society (1965), the Linus Pauling Medal (1978), the Michael Polanyi Medal (1981), the Irving Langmuir Prize of the American Physical Society (1983), the Nobel Prize in Chemistry (1986), jointly with Yuan T. Lee and John C. Polanyi, the National Medal of Science (1991), the Jaroslav Heyrovsky Medal (1992), the Sierra Nevada Distinguished Chemist Award (1993), the Kosolapoff Award of the ACS (1994), the William Walker Prize (1994); and named by Chemical Engineering News among 75 leading contributors to the chemical enterprise in the past 75 years (1998), and the Council of Scientific Society Presidents' Award for Support of Science (1999).

Professor Herschbach has published over 400 papers. His current research is devoted to methods of orienting molecules for studies of collision stereodynamics, means of slowing and trapping molecules in order to examine chemistry at long deBroglie wavelengths, reactions in catalytic supersonic expansions, and a dimensional scaling approach to strongly correlated many-particle interactions, in electronic structure and Bose-Einstein condensates.

Abstract

Science as an Artistic Adventure

Dudley R. Her<mark>sch</mark>bach

Science, like art, is a brash but compelling pursuit. It stems from our sense of wonder, which urges us to explore the awesome universe within and without ourselves. This talk will emphasise four aspects of science that are often suppressed or even contradicted in typical academic courses. (1) What is sought insight and understanding – waits patiently to be discovered. That enables abiding progress. It is a great advantage over many other human enterprises, such as business, politics, sports, or war, where a brilliant move often turns out badly because conditions change in unanticipated ways. (2) Science is intrinsically social and cooperative. All new work builds on a vast legacy of prior discoveries and inventions. Even when competing groups may be eagerly pursuing similar goals, their efforts are cooperative. That is because what is reported by any group helps all others too. (3) Science has many domains, so calls on people with a wide range of talents and temperaments. For example, some domains call for mathematical invention, whereas for most only very modest ability in mathematics is required. (4) Science, especially at its frontiers, is akin to art in inviting playful creative approaches. As in architecture, scientific advances often come from imaginative use of familiar materials and techniques, in ways that open new vistas, challenging and inspiring.



MuKha

Renowned Artist

Born in Zambales, Philippines in 1961, the artist MuKha (L. Mususa Wiesel) spent her childhood between her native province of Rizal, Philippines, and San Francisco, California. She attended the Art Students League of New York in the early 1990s and has since exhibited her paintings in New York, Europe and Asia. This is her first exhibit of photographs, in celebration of the opening of the Institute of Creativity at Hong Kong Baptist University.

MuKha (the Sanskrit word for "face") has also lived among the tribes of the Philippine highlands and rain forests: the Higaonon in the south and the Pala'wan in the east. Her experiences with these indigenous tribes remain a source of inspiration and have played an influential role in evolving her work. Her continuing influences, however, are the elements: the sky and earth, the sea and air, and the worlds above, below and within.

As an artist, MuKha is largely self-taught. She received her training as a journalist, working for 17 years as a writer and editor in New York City until 2005. She earned a B.A. in American Studies from San Francisco State University in 1984, followed by graduate studies at Columbia University's Teacher's College in New York.

Dividing her time between Stockholm, Sweden and Brooklyn, New York, she is also greatly inspired by the dramatic land and lightscapes of the Swedish archipelago. MuKha is an American painter/photographer with Eurasian sensibilities, navigating the borderless world of 21st century art.

Homepage: www.mukhaarts.com

EXHIBITIONS

SOLO

2009	Galerie Aquatinte, Art & Design Scandinave, Strasbourg, France
2008	S & L Galerie, Strasbourg, France
2007	Galleri Enskede Bokhandel, Stockholm, Sweden
2006	Palawan Museum, Palawan, Philippines
1999	Salon 222, New England Conservatory of Music, Boston, USA
1998	M.A.S. Gallery, Metro Manila, Philippines / plus various locations: Café Caribana, Manila; Federal Prison (Metro Manila); City Hall (Metro Manila)
1997	The Little Theatre Gallery, Rochester, USA

SELECTED GROUP

2010	The Elizabeth Foundation for the Arts, New York
2008	Chin <mark>a-A</mark> SEAN Art Exhibit at the Third China-ASEAN Expo, Nanning, China
2004	Man <mark>hat</mark> tan Borough President's Office, New York
2003	d.u. <mark>m.b.</mark> o. 7 th Annual Art Under th <mark>e B</mark> ridge Festival, New York
2002	La MaMa La Galleria, New York
2002	The Philippine Consulate, New York
2001- 2002	The Muse Project, various locations, New York Director of yearlong multi-media project of monthly performances and exhibits
2001	Cuando, New York





