

# Hong Kong Forum of Physics 2011 : Novel Quantum Phenomena

**December 14 – 16, 2011, The University of Hong Kong, HKSAR**

**Venue: Lecture Theatre P4, Chong Yuet Ming Physics Building  
Rm. 522, Chong Yuet Ming Physics Building (Poster Room)**

## **Announcement:**

We are pleased to announce that "Hong Kong Forum of Physics 2011: Novel Quantum Phenomena" will be held at the University of Hong Kong, Dec 14-16, 2011, which is the 6th one of the series of annual forum since 2006.

As is known, there have been significant interests on emerging research topics related to novel quantum matters, quantum control, and spintronics, which have also been rather active in both Hong Kong and the Asia Pacific region. This year's Forum will focus on several frontier topics including quantum control, exotic superconductivity and superfluidity, spintronics and topological states, and cold atoms. We expect to have several dozens of physicists from the US, Europe, Mainland of China, Taiwan, Japan, Korea, and Hong Kong to participate in the Forum, and tens of students or postdoctoral fellows from Hong Kong and Mainland of China to attend the Forum. It is anticipated that this Forum will promote collaborations among the physicists in Asia and in the West, and will also present to young physicists interesting and exciting research directions based on the intellectual merit.

There will be a ceremony event to award the Daniel Tsui Fellowship, sponsored by Center of Theoretical and Computational Physics and the Department of Physics at the University of Hong Kong, in honor of the Center's Honorary Director, Nobel laureate Prof. Daniel Tsui.

## **Invited Speakers:**

Kamran Behnia (ESPCI-Paris)	Guifre Vidal (PITP, Canada)
Yan Chen (Fudan Univ, China)	Xin Wan (Zhejiang Univ, China)
Shengwang Du (HKUST, HK)	Hailin Wang (Univ of Oregon, USA)
Zhong Fang (IOP, China)	Xuesen Wang (National Univ of Singapore, Singapore)
Robert James Joynt (Univ of Wisconsin-Madison, USA)	Yupeng Wang (IOP, China)
Xiao Hu (NIMS, Japan)	Zheng Yu Weng (Tsinghua Univ, Beijing, China)
Seunghun Lee (Univ of Virginia, USA)	Philipp Werner (ETH-Zurich)
Jian-Xin Li (Nanjing Univ, China)	Biao Wu (Peking Univ, China)
Steve G. Louie (UC-Berkeley, USA)	Xincheng Xie (Peking Univ, China)
Qian Niu (Univ of Texas at Austin, USA)	Senke Xu (UC-Santa Barbara, USA)
Bruce Normand (Renmin Univ, China)	Su Yi (ITP, China)
Jian-Wei Pan (USTC, China)	Li You (Tsinghua Univ, Beijing, China)
T. Maurice Rice (ETH-Zurich)	Yang Yu (Nanjing Univ, China)
Li Sheng (Nanjing Univ, China)	Anthony Zee (UC-Santa Barbara, USA)
Hong Tang (Yale, USA)	Shou-Cheng Zhang (Stanford Univ, USA)
Lin Tian (UC-Merced, USA)	Bangfen Zhu (Tsinghua Univ, Beijing, China)
Chin-Sen Ting (Univ of Houston, USA)	Shi-Liang Zhu (SCNU, China)
Matthias Troyer (ETH-Zurich)	

## **International Advisory Committee:**

Steve Louie (UC-Berkeley)  
T. Maurice Rice (ETH Zurich)  
Matthias Troyer (ETH Zurich)  
Fuchun Zhang (HKU)  
Shou-Cheng Zhang (Stanford Univ)  
Zhong-Xian Zhao (IOP, China)

## **Organizing Committee:**

Shengwang Du (HKUST)  
Renbao Liu (CUHK)  
Zidan Wang (HKU) (Chair)  
Wang Yao (HKU)



**Organizer:** Centre of Theoretical and Computational Physics, The University of Hong Kong

**Registration:** <http://www.physics.hku.hk/~ctcp/HKForum11/Registration.htm>

**Enquiries:** Please contact Miss Anna Wong (Forum Secretary) at [annaylw@hkucc.hku.hk](mailto:annaylw@hkucc.hku.hk).