

Joint Colloquium

Department of Physics, University of Hong Kong
and
Physical Society of Hong Kong

Intrinsic and Quantum Spin Hall effects

by

Professor Shoucheng Zhang
Stanford University

June 7, 2005 (Tuesday)
4 pm

Room P4, Chong Yeut Ming Physics Building
The University of Hong Kong

About the speaker: Shoucheng Zhang received his Ph.D. in physics from the State University of New York at Stony-Brook in 1987. Among the awards he received is the 1992 Outstanding Young Investigator Award of the Overseas Chinese Physicists Association. His main research interest is in condensed matter theory, including the quantum Hall effect, high temperature superconductivity, and very recently in spintronics. He is a Professor of Physics and Applied Physics at Stanford University and a co-director of the IBM-Stanford Spintronic Science and Applications Center. In this joint colloquium, Prof. Zhang will introduce the intrinsic spin Hall effect and its potential applications in the emerging area of spintronics.



The United Nations General Assembly has declared 2005 the International Year of Physics. The Physical Society of Hong Kong (PSHK) and physics departments in Hong Kong will organize a series of joint colloquia to celebrate IYP2005. Staff and students from all physics departments are cordially invited to join us in celebrating IYP2005.