

# —量子科學與工程研究中心—

Center for Quantum Science and Engineering (CQSE)

## 「12/5/2008 (Fri.) CQSE Seminar」

- **Time** : 2:30 PM - 3:30 PM
- **Place** : RM111, New Physics Building
- **Speaker**: Dr. Cheng Chin  
2008 IUPAP Young Scientist Award Winner  
James Franck institute and Physics Dept.  
University of Chicago
- **Title** : Quantum Control and Quantum Information Processing based on Degenerate Quantum Gases in Optical Lattices
- **Abstract** : I discuss prospects to investigate universality in few-body bosonic and fermionic systems in the quantum threshold regime. We have identified new spectroscopic tools to explore the quantum universality emerging with a designated number of atoms and molecules, ratcheting our comprehension from a single atom to many.