

# **LEARNING CENTRE @ CSD-15**

**Conference Room B**

**Monday, 7 May 2007  
10:00 a.m. – 1:00 p.m.**

## **Carbon Sequestration Storage**

### **Course Instructor:**

Klaus Lackner, Professor, Columbia University

### **Synopsis:**

The course will address the challenge of how to stop the accumulation of CO<sub>2</sub> in the atmosphere while improving energy services to a growing world population striving for a high standard of living, concentrating on carbon storage and capture technologies. Carbon capture and storage technologies would enable a closure of the anthropogenic carbon cycle and thus provide one possible avenue to a world that is not limited by energy constraints.

The course will address available short and long term storage technologies; existing capture technologies for concentrated sources like power plants, steel plants or cement plants; and a new generation of efficient and clean power plants that has the potential to capture all of its CO<sub>2</sub> and deliver it for underground injection or mineral carbonation. Finally, options for reducing the remaining half of CO<sub>2</sub> emissions from distributed and mobile sources will be presented.