Born around the turn of the new millennium, attosecond metrology opened the door for observing atomic-scale electron dynamics in real time. The novel technology is more than an extension of femtosecond technology to a briefer time scale. It is based – for the first time – on the electric force of light for controlling and tracking microscopic motions. The controlled light force is now providing access to electronic motions at the picometer-attosecond scale but reconstructing them in complex systems calls for yet another revolution in ultrafast science.

CBC SEMINAR ANNOUNCEMENT

Professor Ferenc Krausz
Max Planck Institute of Quantum Optics
Ludwig-Maximilians-Universität München, Munich, Germany

ELECTRONS IN REAL TIME
Tracking and controlling motions at the picometer-attosecond scale

Date: 20th February 2017 (Monday)
Time: 4:00pm – 5:30pm
Venue: SPMS MAS Executive Classroom 1
Host: Asst Professor Loh Zhi Heng