Center for Molecular Spectroscopy and Dynamics, IBS-Korea University

IBS Center for Molecular Spectroscopy and Dynamics

COLLOQUIUM

- SPEAKER

  Prof. Majed Chergui (EPFL, Switzerland)

- TITLE

  Observing chemical dynamics on the atomic scale of time and space

- ABSTRACT

  The atomic scale resolution of space (the Ångström) was achieved a century ago with the discovery of X-ray and electron diffraction. It will take about 8 decades to reach the atomic scale of time (the Femtosecond) thanks to the pioneering works of Ahmed Zewail using optical domain spectroscopy. However, optical domain spectroscopies (ultraviolet, visible, infrared, Terahertz) do not deliver structure. Ultrashort pulses of electrons and X-rays have been used in recent years and I will focus on some of the landmarks leading to the development of the field of ultrafast structural dynamics with X-ray pulses. I will present results concerning molecular systems, proteins and transition metal oxides.

- DATE AND VENUE

  Apr. 21, 2017 (Friday, 5:00-6:00 p.m.)
  Seminar Room 116, KU R&D Center

- LANGUAGE

  English