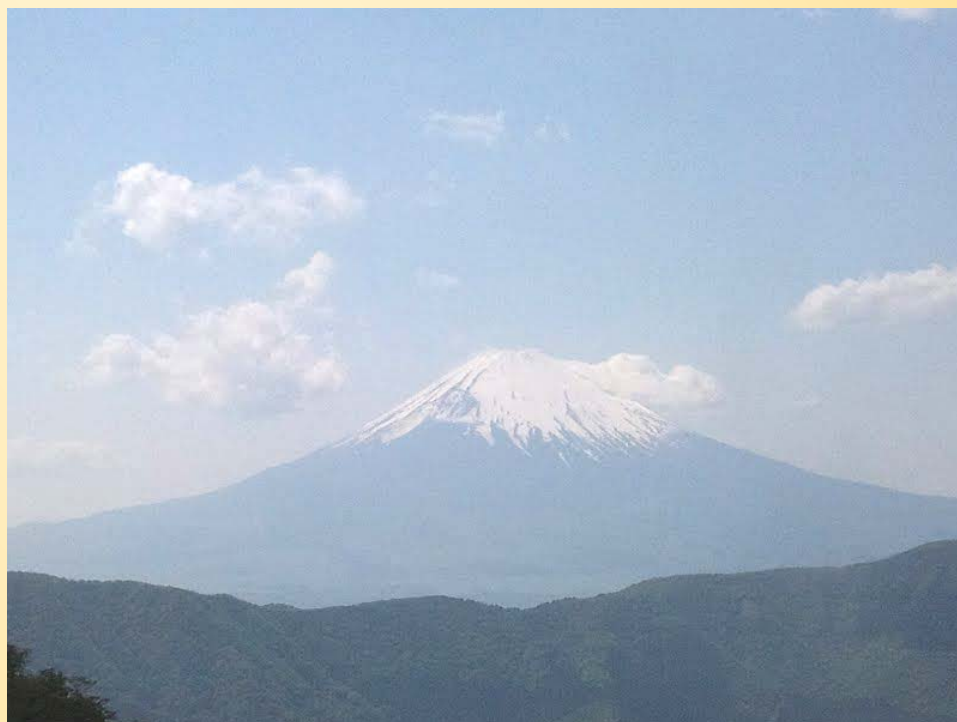


The One-day IUPAC Division I Symposium



June 8 (Fri), 2012

Auditorium, Chemistry Main Bldg. 5th Floor

Hongo Campus, The University of Tokyo

Organized by IUPAC Division I (Physical and Biophysical Chemistry)

Co-organized by

The Chemical Society of Japan Committee of IUPAC Company Associates, Center for
Ultrafast Intense Laser Science/Consortium on Education and Research on Advanced
Laser Science, Graduate School of Science, The University of Tokyo

Supported by The Chemical Society of Japan and Science Council of Japan

Message

The One-day IUPAC Division I Symposium aims to introduce the activities of IUPAC Division I (Physical and Biophysical Chemistry) and its committee members to researchers, professors and graduate students of the Tokyo area. We look forward to welcoming you all to this occasion for active interactions and discussions.

Kaoru Yamanouchi
President, IUPAC Division I
Department of Chemistry, Graduate School of Science,
The University of Tokyo

Program

9:30 - 9:40 Opening

Kazuyuki Tatsumi (President, IUPAC; Nagoya University)

9:40 - 12:10 Session I

A. James McQuillan (Department of Chemistry, University of Otago)

"Wet Surface Chemistry from Infrared Spectroscopy"

Kaoru Yamanouchi (Department of Chemistry, The University of Tokyo)

"Ultrafast dynamics of molecules in intense laser fields"

Roberto Marquardt (Laboratoire de Chimie Quantique, Université de Strasbourg)

"Molecular Quantum Dynamics: What, Why and How?"

Angela K. Wilson (Department of Chemistry, University of North Texas)

"Quantitative Modeling across the Periodic Table"

Assaf Friedler (Institute of Chemistry, The Hebrew University of Jerusalem)

"Modulating protein oligomerization using peptides"

12:10 - 13:30 Lunch break

13:30 - 15:30 Session II

Anthony R. H. Goodwin (Schlumberger Technology Corporation)

"Activities of the International Association of Chemical Thermodynamics (IACT)"

Rolando Guidelli (Dipartimento di Chimica, Università di Firenze)

"Biomimetic membranes for the investigation of the function of peptides and proteins"

Andrea E. Russell (School of Chemistry, University of Southampton)

"X-ray absorption spectroscopy of fuel cell catalysts"

Kristin Bartik (Ingénierie Moléculaire et Biomoléculaire, Université Libre de Bruxelles)

"Thermodynamic and structural studies of chemically modified oligonucleotide duplexes"

15:30 - 15:50 Coffee break

15:50 - 17:50 Session III

Jürgen Stohner (Institute for Chemistry & Biological Chemistry, Zurich University for Applied Sciences)

"Chiral molecules: Spectroscopy, Dynamics and Fundamental Laws"

Attila G. Császár (Institute of Chemistry, Eötvös Loránd University)

"IUPAC Critical Evaluation of the Rotational-Vibrational Spectra of Water Vapor"

Xin Sheng Zhao (Department of Chemical Biology, Peking University)

"Dynamic Mechanism of Chemical Modification of Nucleic Acids"

Kankan Bhattacharyya (Indian Association for the Cultivation of Science, India)

"Fluorescence Correlation Spectroscopy: Study of protein, lipid and ionic liquid"

17:50- 18:00 Closing

Kaoru Yamanouchi

主催：IUPAC Division I (Physical and Biophysical Chemistry)

共催：日本化学会 IUPAC 賛助会員委員会、東京大学大学院理学系研究科附属
超高速強光子場科学研究センター・先端レーザー科学教育研究コンソーシアム

後援：公益社団法人日本化学会、日本学術会議