**Core-to-Core International Symposium on Ionization Induced Switching**

March 15, 2013 @ Marseille, St. Charles

Session 1: Chair Masaaki Fujii (Tokyo Tech)

8:30 Opening Remarks

Prof. Dr. Director Christophe Jouvet (U Aix-Marseille, France)

8:40 Ionization-Induced Site Switching Dynamics in Solvated Aromatic Clusters

Prof. Dr. Otto Dopfer (TU Berlin, Germany)

9:10 Theoretical Simulations of Time-Resolved IR spectra Using MD "On the Fly"

Prof. Dr. Roland Mitric (Freie U Berlin, Germany)

9:40 Solvent Migration in Biologically Relevant Molecular Clusters

Prof. Dr. Hiroshi Sekiya (Kyushu U, Japan)

**10:10 Coffee Break**

Session 2: Chair Kenro Hashimoto (Tokyo Metropolitan U)

10:30 Ionization-Induced Solvent Migration in Acetanilide-Methanol Clusters

Dr. Martin Weiler (Tokyo Tech, Japan)

10:45 Electron-Impact IR Spectroscopy of Solvated Tryptamine Clusters

Markus Schütz (TU Berlin, Germany)

11:00 Structure and Photophysics of Host-Guest Complexes and Biorelated

Molecules in the Gas Phase

Prof. Dr. Takayuki Ebata (Hiroshima U, Japan)

11:30 Electron/Proton Transfer in Protonated Molecules

Dr. Michel Broquier (U Paris-Sud, France)

**12:00 Lunch / Poster Session**

Session 3: Chair Claude Dedonder (U Aix-Marseille)

13:30 ZEKE Spectroscopy and Ionization Dynamics

Foundation Director Prof. Dr. Klaus Müller-Dethlefs (U Manchester, UK)

14:00 Photochemistry in Ice

Dr. Fabrice Duvernay (U Aix-Marseille, France)

14:30 Chiral Recognition in Gas Phase

Prof. Dr. Anne Zenacker-Rentin (U Paris-Sud, France)

15:00 Conformationally Resolved Spectra of Acetaminophen in Gas Phase

Woon Yong Sohn (Tokyo Tech, Japan)

**15:15 Coffee Break**

Session 4: Chair Masanori Tachikawa (Yokohama City U)

15:45 Conformation of Oligosaccharides in the Gas Phase : Intrinsic vs. Solvent Induced Preferences

Dr. Pierre Çarçabal (U Paris-Sud, France)

16:15 Structure of Hydrated Tyrosine in Gas Phase

Hikari Oba (Tokyo Tech, Japan)

16:30 Study on Vibrational Relaxation Dynamics of Phenol-Water Complex by

Time-Resolved Spectroscopy

Yasunori Miyazaki (Hiroshima U, Japan)

16:45 Spectroscopy of Protonated Neurotransmitters

Dr. Aude Bouchet (TU Berlin, Germany)

17:00 Deep UV Photon Induced Infrared Emission of Benzene

Dr. Geraldine Feraud (U Aix-Marseille, France)

17:30 Concluding Remarks

Prof. Dr. Masaaki Fujii (Tokyo Tech, Japan)

List of Posters

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| Poster Title | Authors |
| Theoretical analysis of a self-assembly mechanism of gear-shaped amphiphile molecules in solution | Takako MASHIKO, Kenta YAMADA, Umpei NAGASHIMA, Yuka OZAWA, Tatsuo KOJIMA, Shuichi HIRAOKA, Masanori TACHIKAWA |
| Gold-standard coupled-cluster study of the ground-state chromium dimer cation | Yurika Yamada, Kenta Hongo, Kazuhiro Egashira, Yukiumi Kita,  Umpei Nagashima, and Masanori Tachikawa |
| Study of Ionization Process of Matrix Molecules in Matrix-Assisted Laser Desorption Ionization | Kazumasa Murakami, Asami Sato, Kenro　Hashimoto, Tatsuya Fujino |
| Development of multimode vibrational SCF code for double-well potential surface | Masaki Mamiya, Kenro Hashimoto |
| Ground-state potential-energy surfaces of H3O and H3O-H2O radicals | Kiyoaki Kitayama, Kenro Hashimoto |
| Polarization Dependence of Depletion Intensity in IR-UV Double Resonance Spectroscopy: Comparison between Experimental and Theoretical Results | Shu-hei Urashima, Mitsuhiko Miyazaki, Masaaki Fujii, Hiroyuki Saigusa. |
| Vibrational sum-frequency generation and fluorescence spectroscopy of 2-(2’-hydroxyphenyl)imidazole crystals | Kazuki　Furukawa, Makoto Sakai, Masaaki Fujii, Hiroshi Sekiya |