Okazaki Conference

The 76th Okazaki Conference
Advanced Spectroscopy of Organic Materials for Electronic Applications
(November 23–25, 2016)

Organizers: J. Schnadt (*Lund Univ., Sweden*), N. Koch (*Humboldt Univ. Berlin, Germany*), S. Sorensen (*Lund Univ., Sweden*), H. Yoshida (*Chiba Univ.*), H. Kondoh (*Keio Univ.*), J. Yoshinobu (*Univ. Tokyo*), N. Kosugi (*IMS*), S. Kera (*IMS*)

Invited Speakers: M. Zharnikov (*Heidelberg Univ., Germany*), O. L. A. Monti (*Univ. Arizona, U.S.A.*), S. Yamamoto (*Univ. Tokyo*), S. Kümmel (*Univ. Bayreuth, Germany*), A. Schöll (*Univ. Würzburg, Germany*), D. Lüftner (*Univ. Graz, Austria*), T. Fritz (*Univ. Jena, Germany*), H. Ishii (*Chiba Univ.*), Y. Nakayama (*TUS*), S. Duhm (*FUNSOM, China*), P. Krüger (*Chiba Univ.*), H. Peisert (*Univ. Tübingen, Germany*), H. Yoshida (*Chiba Univ.*), P. Amsalem (*Humboldt Univ. Berlin, Germany*), K. Akaike (*TUS*), J. Schnadt (*Lund Univ., Sweden*), L. Weinhardt (*KIT, Germany*), F. Gel'mukhanov (*KTH, Sweden*), M. Nagasaka (*IMS*), H. Kondoh (*Keio Univ.*), X. Liu (*Linköping Univ., Sweden*), N. Johansson (*Lund Univ., Sweden*), P. Shayesteh (*Lund Univ., Sweden*), Y. Takagi (*IMS*), T. Koitaya (*Univ. Tokyo*), M. Yoshida (*Keio Univ.*)

A rich of functionality found in the molecular-based materials has considerable attention in recent years. To improve the performance of the organic molecular devices and to realize any novel functional devices with molecules, deep insight into the electronic structure is requested. Moreover development in the experimental method and achievement in the novel technique as like in situ/operando techniques and time-resolved spectroscopy *etc.* is important to study. "Advanced Spectroscopy of Organic Materials for Electronic Applications" covers the topics related to spectroscopic techniques and theoretical modeling for the understanding the electronic structure of organic electronic materials and related interfaces. We counted 92 participants at the workshop, including 16 invited speakers from the oversea countries. We spent a lively and intimate atmosphere with participants to discuss the progress and development of a number of spectroscopy topics.

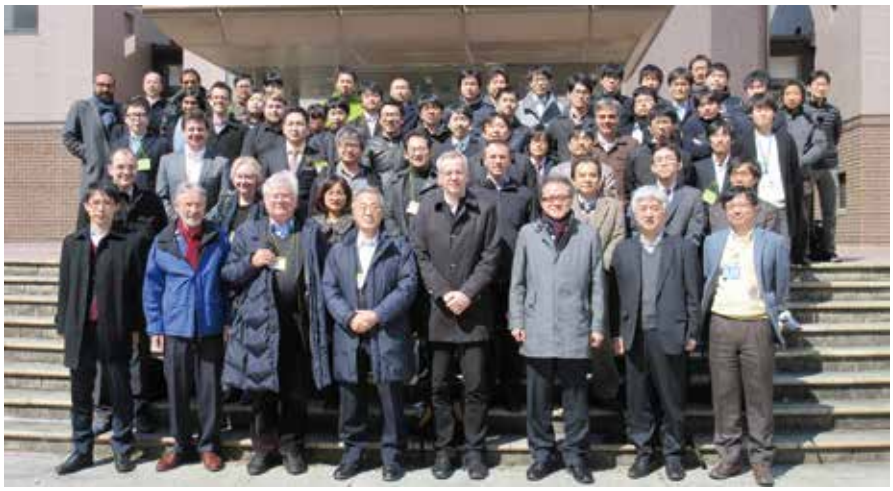
The 77th Okazaki Conference
International Symposium on Ultrafast Dynamics in Molecular and Material Sciences
(March 6–8, 2017)

Organizers: Y. Shigeta (*Univ. Tsukuba*), H. Ushiyama (*Univ. Tokyo*), T. Yamashita (*Univ. Tokyo*), S. Takahashi (*Univ. Tokyo*), M. Fujii (*Univ. Tokyo*) , S. Saito (*IMS*)

Invited Speakers: W. Domcke (*Tech. Univ. München, Germany*), T. Suzuki (*Kyoto Univ.*), K. Takatsuka (*Kyoto Univ.*), I. Barth (*Max Planck Inst., Germany*), T. Brixner (*Univ. Würzburg, Germany*), I. Burghardt (*Goethe Univ. Frankfurt, Germany*), O. Kühn (*Univ. Rostock, Germany*), N. T. Maitra (*City Univ. New York, U.S.A.*), I. Manz (*Freie Univ. Berlin & Shanxi Univ.*), T. F. Miller III (*Caltech, U.S.A.*), O.V. Prezhdo (*California Southern Univ., U.S.A.*), H. Wörner (*ETH, Switzerland*), S. Adachi (*KEK*), H. Benten (*NAIST*), T. Fujisawa (*Saga Univ.*), M. Fushitani (*Nagoya Univ.*), M. Hada (*Okayama Univ.*), Y. Harabuchi (*Hokkaido Univ.*), M. Kanno (*Tohoku Univ.*), R. Kanya (*Univ. Tokyo*), H.-D. Kim (*Kyoto Univ.*), T. Otobe (*QST*), T. Sato (*Univ. Tokyo*), M. Shibuta (*Keio Univ.*), T. Takaya (*Gakushuin Univ.*), T. Yasuike (*Open Air Univ.*)

Considering chemical reactions, one always adopts the Born-Oppenheimer approximation, where electronic and nuclear degrees of freedom are separately treated. However, with recent progresses in the experimental technology for the

ultrafast spectroscopy, highly accurate observations on nuclear dynamics and electron dynamics in molecules are available to analyze the ultrafast phenomena in molecules and materials. This workshop focused on theoretical and experimental studies on ultrafast (atto to femto second) dynamics of molecules and materials and was organized into 3 days symposia with a poster session that are designed to highlight many of the cutting edge developments in this field.



The 78th Okazaki Conference
Grand Challenges in Small-Angle Scattering
(March 18–20, 2017)

Organizers: S. Akiyama (*IMS*), H. Kamikubo (*NAIST*), M. Sugiyama (*Kyoto Univ.*)

Invited Speakers: D. Svergun (*EMBL Hamburg, Germany*), H. Kamikubo (*NAIST*), P. Bernado (*Cent. Biochimie Structurale, France*), N. Ando (*Princeton Univ., U.S.A.*), U.-S. Jeng (*NSRRC, Taiwan*), S. Lee (*Sungkyunkwan Univ., Korea*), S. Akiyama (*IMS*), M. Sugiyama (*Kyoto Univ.*), F. Gabel (*IBS, Grenoble, France*), S. Fujiwara (*QST*), R. Biehl (*JCNS, Julich, Germany*), K. Ito (*Rigaku Corp.*), R. Arai (*Shinshu Univ.*), S. Toma-Fukai (*Univ. Tokyo*), M. Petoukhov (*Russian Acad. Sci, Russia*), T. Oroguchi (*Keio Univ.*), J. Hub (*Inst. Microbiology Genetics, Germany*)

Small-angle scattering is one of the effective analytical tools for hierarchical bio-molecular systems, providing size and shape information from sub-nanometer to micrometer in real-time. In this conference, the fundamentals of the solution scattering will be first overviewed, and then recent applications of x-ray/neutron solution scattering to the molecular system sciences will be shared with life-science students/researchers in mind. Furthermore, the organizers would like to provide an opportunity to think about an East Asian SAS community through discussions with the leading scientists invited from Taiwan and Korea SAS communities.