

Time Table

International Symposium on Spectroscopy and Dynamics at Surface and Interface
24(Thu)-25(Fri), May, 2018, Kyoto, Japan

Thu. 24 May		Fri. 25 May	
	Opening	09:00-09:30	I. Yamamoto
		09:30-10:00	R. Arafune
		10:00-10:30	Break
		10:30-11:00	N. Takagi
		11:00-11:30	K. Onda
11:30-12:00	X. Y. Zhu	11:30-12:00	T. Fritz
12:00-12:30	H. Okuyama	12:00-13:30	Lunch
12:30-14:00	Lunch		
		13:30-14:00	M. Kawai
14:00-14:30	M. Shibuta	14:00-14:30	J. Nakamura
14:30-15:00	S. Kera	14:30-14:45	Break
15:00-15:15	Break	14:45-15:15	K. Fukutani
15:15-15:45	S. Masuda	15:15-15:45	H. Petek
15:45-16:15	J. Yoshinobu	15:45-16:00	Break
16:15-16:30	Break	16:00-16:30	Y. Matsumoto
16:30-17:00	K. Domen		Closing
17:00-17:30	U. Höfer		
17:30-17:45	Break		
17:45-18:15	T. Munakata		

19:00- Banquet

Conference Program

International Symposium on Spectroscopy and Dynamics at Surface and Interface
24(Thu)-25(Fri), May, 2018, Kyoto, Japan

24 (Thu) May, 2018

Session Chair: _____

11:30- Solving the Lead Halide Perovskite Puzzle

Kiyoshi Miyata and **Xiaoyang Zhu**

Department of Chemistry, Columbia University, USA

12:00- Manipulating Molecule-surface Electronic Coupling and Aingle-molecule Conductance

Hiroshi Okuyama

Department of Chemistry, Graduate School of Science, Kyoto University, Japan

12:30- **Lunch**

Session Chair: _____

14:00- Photoexcited Electron Dynamics at Nanoscale Functional Films Studied by 2PPE Spectroscopy and Microscopy

Masahiro Shibuta

Keio Institute of Pure and Applied Sciences, Keio University, Japan

14:30- Evolution of Electron Localization upon Molecular Assembling

Satoshi Kera^{1,2,3}

¹ Department of Photo-Molecular Science, Institute for Molecular Science, Japan, ² The Graduate University for Advanced Studies (SOKENDAI), Okazaki, Japan, ³ Graduate School of Engineering, Chiba University, Japan

15:00- **Coffee Break**

Session Chair: _____

15:15- Local Electronic Properties at Organic-Metal Interface

Shigeru Masuda

Department of Basic Science, Graduate School of Arts and Sciences,
The University of Tokyo, Japan

15:45- Adsorption, Activation and Hydrogenation of Carbon Dioxide and Formic Acid on the Cu model Catalysts

Jun Yoshinobu

The Institute for Solid State Physics, The University of Tokyo, Japan

16:15- **Coffee Break**

Session Chair: _____

16:30- Structure of Photocatalysts for Overall Water Splitting

Kazunari Domen^{1,2}

¹ Shinshu University, Japan, ² The University of Tokyo.

17:00- Time-resolved Spectroscopy of Electron Transfer Processes at Metal/Organic Interfaces

Ulrich Höfer

Fachbereich Physik, Philipps-Universität Marburg, Germany

17:30- **Coffee Break**

17:45- Unoccupied Levels Observed in 2PPE Spectroscopy

Toshiaki Munakata

Department of Chemistry, Graduate School of Science, Osaka University,
Japan

19:00- Banquet

25th May, 2018

Session Chair: _____

- 9:00- Time-resolved Photoemission Spectroscopy using Synchrotron Radiation and Laser at Saga University Beamline

Isamu Yamamoto

Synchrotron Light Application Center, Saga University, Japan

- 9:30- Band Splitting due to Spin Orbit Interaction in Image Potential States

Ryuichi Arafune

International Center for Material Nanoarchitectonics, National Institute for Materials Science, Japan

- 10:00- **Coffee Break**

Session Chair: _____

- 10:30- Quantum Transition in a Single Molecule by STM Manipulation

Noriaki Takagi

Graduate School of Human and Environmental Studies, Kyoto University, Japan

- 11:00- Structural Dynamics in Functional Materials Studied by Time-resolved Infrared Spectroscopy

Ken Onda

Department of Chemistry, Faculty of Science, Kyushu University, Japan

- 11:30- Digging for Silver – Surface Chemistry of Tin(IV)-Phthalocyanine-Dichloride on Ag(111)

C. Zwick¹, E. Wruss², G. van Straaten³, M. Gruenewald¹, F. Otto¹, T. Ueba⁴, R. Forker¹, C. Kumpf³, S. Kera⁴, E. Zojer², and **T. Fritz**¹

¹ Institute of Solid State Physics, Friedrich Schiller Universität Jena, Jena, Germany, ² Institute of Solid State Physics, Graz University of Technology, Graz, Austria, ³ Peter Grünberg Institut (PGI-3), Forschungszentrum Jülich, Jülich, Germany, ⁴ Institute for Molecular Science, Department Photo-Molecular Science, Okazaki, Japan

12:00- **Lunch**

Session Chair: _____

13:30 Probing Molecular Functions with Atomic Resolution

Maki Kawai

Institute for Molecular Science, Okazaki, Japan

14:00 Model Catalyst Studies of Methanol Synthesis on Cu/ZnO

Junji Nakamura^{1,2}

¹Faculty of Pure and Applied Sciences and ²Tsukuba Research Center for Energy Materials Sciences, University of Tsukuba, Japan

14:30 **Coffee Break**

Session Chair: _____

14:45- Rotational Dynamics of Quantum Rotor in the Adsorption and Photoexcitation within the Highly Anisotropic Potential of Pd(210)

S. Ohno¹, D. Ivanov¹, Y. Sasakawa¹, E. F. Arguelles², W. A. Diño², H. Kasai³,
K. Fukutani¹

¹ Institute of Industrial Science, University of Japan, Japan, ² Department of Applied Physics, Osaka University, Japan, ³ National Institute of Technology, Akashi, Japan

15:15- Coherent Ultrafast Hot Electron Generation at Plasmonic Heterojunctions

Hrvoje Petek

Department of Physics and Astronomy, University of Pittsburgh, USA

15:45- **Coffee Break**

Session Chair: _____

16:00-16:30

Ultrafast Vibronic Coupling Dynamics at Metal Surface and in Organic Semiconductor

Yoshiyasu Matsumoto

Tsuyota Institute of Physical and Chemical Research, Nagakute, Aichi, Japan