

June 12, Tuesday

Opening remarks; 9:15-9:20 Hitoshi Tamiaki (Chairman, *Ritsumeikan Univ.*)

O-1 9:20-10:00 (Chairperson: H. Tamiaki, *Ritsumeikan Univ.*)

Self-Assembled π -Conjugated Systems

Albert P. H. J. Schenning

Eindhoven Univ. Tech., Eindhoven, The Netherlands

O-2 10:00-10:30 (H. Tamiaki)

Creation of Hierarchical Polymer Assemblies through Self-Organization of
Semi-Artificial β -1,3-Glucan/Polymer Composites

Munenori Numata, Kouta Sugikawa, Seiji Shinkai

Ritsumeikan Univ., Kusatsu, Japan; Kyushu Univ., Fukuoka, Japan

Coffee break: 10:30-10:50

O-3 10:50-11:20 (Chairperson: A. P. H. J. Schenning, *Eindhoven Univ. Tech.*)

Optical Transduction of Chemical Reactions with Polyarginine-Counteranion
Complexes in Lipid Bilayers

Tomohiro Miyatake

Ryukoku Univ., Otsu, Japan

S-1 11:20-11:30 (A. P. H. J. Schenning)

(P6) Formation of Nanoscale Architectures Based on Dipyrrin Coordination Oligomers

Masahiro Hasegawa, Kenichi Tsukamoto, Hiroto Mishima, Takashi Nakanishi,
Hiromitsu Maeda

Ritsumeikan Univ., Kusatsu, Japan; NIMS, Tsukuba, Japan

S-2 11:30-11:40 (A. P. H. J. Schenning)

(P8) Coordination Nanorings Fabricated Using "Dimeric" Dipyrrins

Takashi Hashimoto, Hiromitsu Maeda

Ritsumeikan Univ., Kusatsu, Japan

S-3 11:40-11:50 (A. P. H. J. Schenning)

(P17) Spectral Changes of Chlorosomal Self-Aggregates of Zinc Chlorophyll
Derivatives Possessing Hydrophilic Group in Aqueous Media by External
Stimulation

Yukihiro Nishikawa, Tomohiro Miyatake, Hitoshi Tamiaki, Yoshitaka Saga

Kinki Univ., Higashi-Osaka, Japan; Ryukoku Univ., Otsu, Japan;

Ritsumeikan Univ., Kusatsu, Japan

S-4 11:50-12:00 (A. P. H. J. Schenning)

(P26) Photocatalytic Degradation Reaction of Dyes

Chihiro Yogi, Kazuo Kojima, Noriyuki Wada, Tadashi Mizoguchi, Hitoshi
Tamiaki

Ritsumeikan Univ., Kusatsu, Japan

Poster session: 13:00-14:30 (K306. Odd number poster presenters, please stand by during 13:00-13:45. Even number poster presenters, please stand by during 13:45-14:30.)

O-4 14:30-15:10 (Chairperson: H. Maeda, *Ritsumeikan Univ.*)
Hydrogen Bonded Rigidified Aromatic Oligomers for Supramolecular Chemistry
Zhan-Ting Li
Shanghai Inst. Org. Chem., Shanghai, China

O-5 15:10-15:40 (H. Maeda)
Assembly of Synthetic Chlorophylls toward Modification of Photosynthetic
Light-Harvesting Complexes
Yoshitaka Saga
Kinki Univ., Higashi-Osaka, Japan

O-6 15:40-16:10 (H. Maeda)
Functionality of Hetero-Structured LB Films of Porphyrin J-Aggregates
Jotaro Nakazaki
Univ. Tokyo, Tokyo, Japan

Coffee break: 16:10-16:30

O-7 16:30-17:00 (Chairperson: Zhan-Ting Li, *Shanghai Inst. Org. Chem.*)
Towards Active Nanostructural Control of Porphyrin-Synthetic Clay Complexes
Shinsuke Takagi, Miharu Eguchi, Tetsuya Shimada, Haruo Inoue
Tokyo Metropolitan Univ., Hachiohji, Japan; Pennsylvania State Univ.

O-8 17:00-17:30 (Zhan-Ting Li)
Self-Assembly of N-Confused Porphyrins
Tatsuki Morimoto, Hiroyuki Furuta
Tokyo Inst. Tech., Tokyo, Japan; Kyushu Univ., Fukuoka, Japan

O-9 17:30-18:00 (Zhan-Ting Li)
Regular Array of Molecular Rotational Devices and their Motional Correlations
Shunichi Hiraoka, Mitsuhiko Shionoya
Univ. Tokyo, Tokyo, Japan

Closing remarks; 18:00-18:10 Chyongjin Pac (*Ritsumeikan Univ.*)

Break: 18:10-18:30

Banquet: 18:30-

Poster Session (K306)

Please mount your poster by the noon of June 12 and stand by it during the following time: odd number, 13:00-13:45; even number, 13:45-14:30.

- P1** Optical Properties of Tb³⁺-Doped GeO₂-ZrO₂ Films Prepared by the Sol-Gel Method
Masashi Abe, Tomoe Sanada, Kazuhiro Yamamoto, Noriyuki Wada, Kazuo Kojima
Ritsumeikan Univ., Kusatsu, Japan; Industrial Res. Center Shiga Pref., Ritto, Japan; Suzuka National College Tech., Suzuka, Japan
- P2** Formation of Metal Coordination Oligomers with Anion Binding Ability
Hiromitsu Maeda, Rika Fujii
Ritsumeikan Univ., Kusatsu, Japan
- P3** Synthesis and Anion Binding Properties of Covalently-Linked Dimers of Acyclic Anion Receptors
Hiromitsu Maeda, Yasunobu Fujii
Ritsumeikan Univ., Kusatsu, Japan
- P4** Aryl-Substituted Acyclic Anion Receptors to Form Supramolecular Organogels
Hiromitsu Maeda, Yohei Haketa
Ritsumeikan Univ., Kusatsu, Japan
- P5** The Effect of Light Intensity on Composition of Photosynthetic Pigments in Light-Harvesting Systems of the Purple Photosynthetic Bacterium, *Rhodospseudomonas* sp. Strain Rits
Jiro Harada, Tadashi Mizoguchi, Sayaka Yoshida, Megumi Isaji, Hirozo Oh-oka, Hitoshi Tamiaki
Ritsumeikan Univ., Kusatsu, Japan; Osaka Univ., Toyonaka, Japan
- P6** Formation of Nanoscale Architectures Based on Dipyrrin Coordination Oligomers
Masahiro Hasegawa, Kenichi Tsukamoto, Hiroto Mishima, Takashi Nakanishi, Hiromitsu Maeda
Ritsumeikan Univ., Kusatsu, Japan; NIMS, Tsukuba, Japan
- P7** Synthesis and Self-Aggregation of Chlorophyll Derivatives Possessing Two Oxyethylene Chains
Tomohiro Miyatake, Shunsuke Hasegawa
Ryukoku Univ., Otsu, Japan
- P8** Coordination Nanorings Fabricated Using "Dimeric" Dipyrrins
Takashi Hashimoto, Hiromitsu Maeda
Ritsumeikan Univ., Kusatsu, Japan

- P9** Photophysical and Catalytic Properties of N-Fused Porphyrin
Shinya Ikeda, Tomoyuki Kimura, Keitaro Fujino, Motoki Toganoh, Hiroyuki Furuta
Kyushu Univ., Fukuoka, Japan
- P10** Structure Determination of 3,4-Didehydrorhodopin from *Rhodopseudomonas* sp. Strain Rits
Tadashi Mizoguchi, Megumi Isaji, Jiro Harada, Hitoshi Tamiaki
Ritsumeikan Univ., Kusatsu, Japan
- P11** Fine Control of Metal Properties with Salen-Based Dendrimers
Tomoya Ishizuka, Long Chen, Donglin Jiang
Inst. Mol. Sci., Okazaki, Japan
- P12** Anion Binding and Self-Assemblies of π -Conjugated Acyclic Oligopyrroles with Hydrophilic Moieties
Hiromitsu Maeda, Yoshihiro Ito, Yohei Haketa
Ritsumeikan Univ., Kusatsu, Japan
- P13** Extra-Large Binding Constants of Azulenes with Fullerenes
A. F. M. Mustafizur Rahman, Sumanta Bhattacharya, Takahide Kimura, Naoki Komatsu
Shiga Univ. Med. Sci., Otsu, Japan
- P14** Regioselective Dihydroxylation of 13²,15-Cylized Octaethylporphyrin and Its Chemical Modifications to Models of Natural Chlorophylls
Michio Kunieda, Yuji Mikata, Hitoshi Tamiaki
Ritsumeikan Univ., Kusatsu, Japan; Nara Women's Univ., Nara, Japan
- P15** Synthesis and Properties of π -Conjugated Oligomers with Anion Binding Ability
Hiromitsu Maeda, Yuta Mihashi
Ritsumeikan Univ., Kusatsu, Japan
- P16** Synthesis and Properties of Ta₂O₅:Tb³⁺ Phosphor Particles
Hiroshi Nakashita, Tomoe Sanada, Kazuhiro Yamamoto, Noriyuki Wada, Kazuo Kojima
Ritsumeikan Univ., Kusatsu, Japan; Industrial Res. Center Shiga Pref., Ritto, Japan; Suzuka Nat. College Tech., Suzuka, Japan
- P17** Spectral Changes of Chlorosomal Self-Aggregates of Zinc Chlorophyll Derivatives Possessing Hydrophilic Group in Aqueous Media by External Stimulation
Yukihiro Nishikawa, Tomohiro Miyatake, Hitoshi Tamiaki, Yoshitaka Saga
Kinki Univ., Osaka, Japan; Ryukoku Univ., Otsu, Japan; Ritsumeikan Univ., Kusatsu, Japan

- P18** Synthesis and Gelation Behavior of Amphiphilic Compounds Having an Oligo(oxyethylene) Moiety
Hitoshi Tamiaki, Keishiro Ogawa, Kazunori Toma
Ritsumeikan Univ., Kusatsu, Japan; Asahi Kasei Co., Fuji, Japan
- P19** Optical Enrichment of SWNTs through Preferential Extraction with Pyridine-Based Chiral Diporphyrin Nano-Tweezers
Xiaobin Peng, Naoki Komatsu, Takahide Kimura, Atsuhiro Osuka
Shiga Univ. Med. Sci., Otsu, Japan; Kyoto Univ., Kyoto, Japan
- P20** Chiral Self-Aggregation of Synthetic Zinc Porphyrin Derivatives Possessing an Asymmetric Center on the Propionate
Hitoshi Tamiaki and Hajime Sumi
Ritsumeikan Univ., Kusatsu, Japan
- P21** Chemical Control of Nanodiamond Surface Leading to Control of the Water Dispersibility
Tatsuya Takimoto, Naoki Kadota, Yoichi Morita, Shinji Aonuma, Takahide Kimura, Naoki Komatsu
Shiga Univ. Med. Sci., Otsu, Japan; Osaka Electro-Comm. Univ., Neyagawa, Japan
- P22** Acyclic Oligopyrroles with Long Aliphatic Chains: from Anion Binding to Self-Assemblies
Hiromitsu Maeda, Masahiro Terasaki, Takashi Nakanishi
Ritsumeikan Univ., Kusatsu, Japan; NIMS, Tsukuba, Japan
- P23** Novel Lanthanide Centered Amphiphilic Gels with Strong Green and Blue Emissions
Qianming Wang, Keishiro Ogawa, and Hitoshi Tamiaki
Ritsumeikan Univ., Kusatsu, Japan
- P24** Synthesis and Optical Property of Triply N-Confused Hexaphyrins
Keisuke Yamaguchi, Yong-shu Xie, Iti Gupta, Hiroyuki Furuta
Kyushu Univ., Fukuoka, Japan
- P25** Redox Active Supramolecular Building Blocks; Triarylamines with One, Two and Three Coordination Sites
Masafumi Yano, Mitsuru Manabe, Masayuki Fujita, Akihiro Nishida, Masakazu Tatsumi
Kansai Univ., Suita, Japan
- P26** Photocatalytic Degradation Reaction of Dyes
Chihiro Yogi, Kazuo Kojima, Noriyuki Wada, Tadashi Mizoguchi, Hitoshi Tamiaki
Ritsumeikan Univ., Kusatsu, Japan