

第一日目 9月28日 (月) 午後 口頭発表			
Zoom 1 会場 (主題 A)		Zoom 2 会場 (主題 Fb)	
12:50-13:10 接続チェック			
13:10-14:30 座長：柘植 清志 (富山大院理工)		13:10-14:30 座長：堀毛 悟史 (京大 iCeMS)	
1A-08 13:10-13:30	シクロメタレート型白金(II)錯体のシス/トランス異性体による光物性変化 (埼玉大院理工, 埼玉大分セ) ○白石 和輝, 大野 桂史, 永澤 明, 藤原 隆司	1Fb-08 13:10-13:30	Mechanochemical oxidation of Eu(III) coordination polymer containing anthracene frameworks (Grad. Sch. of Chem. Sci. and Eng., Hokkaido Univ., Fac. of Eng., Hokkaido Univ., WPI-ICReDD, Hokkaido Univ.) @Ayu Naito, Yuichi Kitagawa, Koji Fushimi, Yasuchika Hasegawa
1A-09 13:30-13:50	Heavy atom effect in chromophore-combined osmium complexes showing singlet-to-triplet direct transition and elongated excited-state lifetimes (Grad. Sch. of Eng., Kyushu Univ., CMS Kyushu Univ., JST PRESTO) @Yoichi Sasaki, Nobuhiro Yanai, Nobuo Kimizuka	1Fb-09 13:30-13:50	Linker-dependent Circularly Polarized Luminescence of Planar Chiral Polymethylene-vaulted Platinum(II) Complexes (Grad. Sch. of Eng. Sci., Osaka Univ., Dept. of Appl. Chem. for Environ., Kwansai Gakuin Univ., Dept. of Chem., San José State Univ.) @Masahiro Ikeshita, Ryo Inoue, Shing Cho Ma, Gilles Muller, Takeshi Naota
1A-10 13:50-14:10	シクロメタレート型配位子を有するパラジウム(II)錯体の合成と発光特性 (北大院総化, 北大院理) ○斎藤 朋也, 吉田 将己, 小林 厚志, 加藤 昌子	1Fb-10 13:50-14:10	Fabrication of a Function-Integrated Electrocatalytic Water Oxidation System via Electrochemical Polymerization (Osaka Univ., IMS, SOKENDAI) @Hikaru Iwami, Mio Kondo, Shigeyuki Masaoka
1A-11 14:10-14:30	強発光性 $d^{10}$ 配位高分子の定量的加熱合成と発光特性 (北大院総化, 北大院理) ○江原 智香, 小林 厚志, 吉田 将己, 加藤 昌子	1Fb-11 14:10-14:30	Theoretical Prediction of a Methane Hydroxylation Catalyst (IMCE, Kyushu Univ., Inst. Teknologi Bandung) @Kei Ikeda, Muhammad Haris Mahyuddin, Yoshihito Shiota, Kazunari Yoshizawa
14:30-14:45 接続チェック			
14:45-16:05 座長：小林 厚志 (北大院理)		14:45-16:05 座長：近藤 美欧 (阪大院工)	
1A-12 14:45-15:05	Design and Synthesis of Cyclometalated Iridium(III) Complex-Chromophore Hybrids that Have Long Emission Lifetimes Based on a Reversible Electronic Energy Transfer (REET) Mechanism (Fac. of Pharm. Sci., Tokyo Univ. of Sci., Res. Inst. of Sci. Tech., Tokyo Univ. of Sci., Nagoya Univ., JST PRESTO, Fac. of Sci., Tokyo Univ. of Sci.) ○Shira Aoki, Ayami Kazama, Kenta Yokoi, Yasuyuki Yamada, Junpei Yuasa	1Fb-12 14:45-15:05	Ferroelectricity in Mixed-Valence Biferrocenium Salts (Kumamoto Univ.) @Ryohei Akiyoshi, Masaaki Nakamura, Shinya Hayami
1A-13 15:05-15:25	ピラジン、メチルピラジンおよびアミノピラジンを架橋配位子とするプロミド銀(I)配位高分子の合成と発光性 (富山大院理工) ○桑原 大貴, 大津 英揮, 柘植 清志	1Fb-13 15:05-15:25	Amphiphilic Cationic Tricyclometalated Iridium(III) Complex-Peptide Hybrids Induce Paraptosis of Cancer Cells via $Ca^{2+}$ Transfer from ER to Mitochondria (Fac. of Pharm. Sci., Tokyo Univ. of Sci., Res. Inst. for Sci. and Tech., Tokyo Univ. of Sci.) @Kenta Yokoi, Chandrasekar Balachandran, Shin Aoki
1A-14 15:25-15:45	空間制御配位に導入したルテニウムテルピリジル部位の光化学的性質 (阪大院理) ○山中 亘, 浅埜 恭平, 原佳那恵, 畑中 翼, 船橋 靖博	1Fb-14 15:25-15:45	Preparation of Self-Assembled Monolayers of $\pi$ -Extended Catecholate Complexes of Pt(II) on $SiO_2$ Insulator Films toward Organic Transistor Application (Univ. of Hyogo) ○Keishiro Tahara, Yuya Ashihara, Takashi Ikeda, Yoshiki Ozawa, Masaaki Abe
1A-15 15:45-16:05	Bis(dipyrrinato)zinc Complex Nanowires: Elucidation on Intrastrand Exciton Hopping (Kyoto Univ., The Univ. of Tokyo, Tokyo Univ. of Sci.) ○ Ryota Sakamoto, Ryojun Toyoda, Naoya Fukui, Hiroshi Nishihara	1Fb-15 15:45-16:05	ハロゲン結合性溶媒によるクロロニルの酸化還元電位の大きな熱応答性 (九大院工, 東大院理, 九大CMS) ○井上 博王, 山田 鉄兵, 君塚 信夫
16:05-16:20 接続チェック			
16:20-20:00	<b>Symposium S1</b> New aspects of excited-state properties of assemblies of metal complexes	16:20-20:00	<b>Symposium S2</b> Cooperative Interaction between Metal Atoms: Integrated Synthetic Methodology, Exploration of Unique Reactivity and Theoretical Understanding of Metal Clusters

第一日目 9月28日 (月) 午後 口頭発表			
Zoom 3 会場 (主題 C)		Zoom 4 会場 (主題 D)	
12:50-13:10 接続チェック			
13:10-14:30 座長：岩崎 孝紀 (東大院工)		13:10-14:30 座長：河内 卓彌 (慶應大理工)	
1C-08 13:10-13:30	Electrochemical CO <sub>2</sub> reduction to CO with Low Overpotentials by Co-NHC Complexes (Kyushu Univ.) ○Kosei Yamauchi, Toshihiro Koga, Yasunobu Wakafuji, Ken Sakai	1D-08 13:10-13:30	Synthesis of planar Pd clusters having bridging silylene ligand and their application in catalytic hydrogenation of alkenes and alkynes (The Univ. of Tokyo, IIS, The Univ. of Tokyo) @Chikako Yanagisawa, Yusuke Sunada
1C-09 13:30-13:50	Pentanuclear Cobalt Complex that Catalyzes CO <sub>2</sub> Reduction and HCOOH Dehydrogenation (Osaka Univ.) ○Takuya Akai, Yutaka Saga, Mio Kondo, Shigeyuki Masaoka	1D-09 13:30-13:50	Construction of transition metal clusters with the aid of oligosilanes bearing coordinating functional groups (The Univ. of Tokyo, IIS, The Univ. of Tokyo) ○Ryosuke Usui, Yusuke Sunada
1C-10 13:50-14:10	Cooperative Effects of Hetero-Dinuclear Ir <sup>III</sup> -M <sup>III</sup> Complexes on Catalytic H <sub>2</sub> Evolution from Formic Acid Dehydrogenation in Water (IRC3, AIST, GZR, AIST, Univ. of Tsukuba) ○Dachao Hong, Yoshihiro Shimoyama, Yuji Ohgomori, Ryoichi Kanega, Hiroaki Kotani, Tomoya Ishizuka, Yoshihiro Kon, Yuichiro Himeda, Takahiko Kojima	1D-10 13:50-14:10	Synthesis and Reduction of First-Row Transition Metal Complexes Having Vanadocene Bisamide Ligands (Osaka Univ., TITech) ○Hinano Kusunose, Tsubasa Hatanaka, Hiroyuki Kawaguchi, Yasuhiro Funahashi
1C-11 14:10-14:30	Visible-Light-Induced Selectivity Switchable Aerobic Oxygenation of Sulfides by a Decavanadate Photocatalyst (The Univ. of Tokyo) ○Chifeng Li, Noritaka Mizuno, Kosuke Suzuki, Kazuya Yamaguchi	1D-11 14:10-14:30	Four Coordinate Iron(II) and Manganese(II) Supersilyl Complexes (The Univ. of Tokyo, Chuo Univ., KISTEC) ○Yusuke Sunada, Shogo Arata, Kyoka Saito, Yoshinao Kobayashi, Tatsuyoshi Ito
14:30-14:45 接続チェック			
14:45-16:05 座長：平原 将也 (防衛大応化)		14:45-15:45 座長：劔 隼人 (阪大院基礎工)	
1C-12 14:45-15:05	Mechanistic Studies on the Photocatalytic CO <sub>2</sub> Reduction Promoted by Diazapyridinophane Metal Complexes (Kyushu Univ.) ○Yuto Sakaguchi, Arnau Call, Kosei Yamauchi, Ken Sakai	1D-12 14:45-15:05	高い電子供与性を有するジアミド配位子を導入した低原子価コバルト錯体によるC-H結合活性化反応 (阪大院理) ○小林 翠穂, 山田 裕加, 畑中 翼, 船橋 靖博
1C-13 15:05-15:25	Ru(II)-Re(I)超分子光触媒を用いたCO <sub>2</sub> 還元反応の機構に関する研究 (東工大理, 九大院理) ○鴨川 径, 下田 侑史, 宮田 潔志, 恩田 健, 玉置 悠祐, 石谷 治	1D-13 15:05-15:25	1-ナフチルホスフィンから誘導されるビニルロジウム錯体におけるアルキンのβ-炭素脱離 (中央大院理工) ○澁谷 昂志, 加藤 崇博, 桑原 拓也, 石井 洋一
1C-14 15:25-15:45	Photochemical Carboxylation of C(sp <sup>2</sup> )-H bonds in Di-substituted Anilines by CO <sub>2</sub> in the Presence of Metal Ions (Chuo Univ.) ○Kanae Abe, Akinobu Nakada, Hirotochi Mori, Ho-Chol Chang	1D-14 15:25-15:45	フッ素置換ピリジルフェニル錯体から誘導されるビニルロジウム錯体におけるアルキンのβ-炭素脱離 (中大院理工) ○高桑 智就, 柿本 萌衣, 佐貫 黙雷, 難波 孝行, 桑原 拓也, 石井 洋一
1C-15 15:45-16:05	Synthesis and Properties of Iron Porphyrin Complexes with Proton Responsive Sites for CO <sub>2</sub> Reduction (Osaka Univ.) ○Kento Kosugi, Yutaka Saga, Mio Kondo, Shigeyuki Masaoka		
16:05-16:20 接続チェック			
16:20-20:00	<b>Symposium S3</b> New Era of Bioinorganic Chemistry Developed by the Quantum Beam and High Performance Computational Science	16:20-20:00	<b>Symposium S4</b> New design of coordination geometries centered in solid state materials

## 9/28 午後 Zoom 5 会場

第一日目 9月28日(月) 午後 口頭発表	
Zoom 5 会場 (主題 Fa)	
12:50-13:10 接続チェック	
13:10-14:30 座長：大谷 亮 (九大院理)	
1Fa-08 13:10- 13:30	Photochemically Crushable and Regenerative Metal-Organic Framework (The Univ. of Tokyo, RIKEN) @Zhiyi Chen, Hiroshi Sato, Takuzo Aida
1Fa-09 13:30- 13:50	Development of Hydrogen Adsorbing Material with using Metal-Dihydrogen Complex (Grad. Sch. of Sci., Tohoku Univ., Grad. Sch. of Env. Sci., Hokkaido Univ.) @Kaiji Uchida, Hiroaki Iguchi, Naoki Kishimoto, Shinichiro Noro, Shinya Takaishi
1Fa-10 13:50- 14:10	Integrating Functionalities of SMM and Luminescent Thermometry into a Porous Proton-Conductor Based on Cyanido-Bridged d-f Assemblies (The Univ. of Tokyo, Jagiellonian Univ.) @Junhao Wang, Jakub J. Zakrzewski, Michal Heczko, Mikolaj Zychowicz, Kosuke Nakagawa, Koji Nakabayashi, Barbara Sieklucka, Szymon Chorazy, Shin-ichi Ohkoshi
1Fa-11 14:10- 14:30	Synthesis and Ionic Conductivity of a Metal-Organic Framework Including Magnesium Salts inside the Pores (Tokyo Univ. of Sci., The Univ. of Tokyo) @Yuto Yoshida, Teppei Yamada, Masaaki Sadakiyo
14:30-14:45 接続チェック	
14:45-16:05 座長：細野 暢彦 (東大院新領域)	
1Fa-12 14:45- 15:05	Synthesis and Evaluation of Photocatalytic Properties of Novel Semiconductive Pb-Sulfur MOF (Kwansei Gakuin Univ., IMS, Osaka Univ., JST PRESTO) @Yoshinobu Kamakura, Pondchanok Chinapang, Kazuyoshi Ogasawara, Hirofumi Yoshikawa, Akinori Saeki, Shigeyuki Masaoka, Daisuke Tanaka
1Fa-13 15:05- 15:25	CO <sub>2</sub> capturing ability of <i>cis</i> -[Re(bpy)(CO) <sub>2</sub> (PR <sub>3</sub> )-(OR)] (Tokyo Inst. of Tech.) @Yuta Fujino, Yusuke Tamaki, Osamu Ishitani
1Fa-14 15:25- 15:45	3価レアアース中心Preyssler型ポリオキシメタレートとポリアリルアミンからなる結晶性複合体 (東大院総合) ○阿久津 大貴, 内田 さやか
1Fa-15 15:45- 16:05	Influence of humidity and site-percolation on proton conductivity in Prussian blue (Nanomaterials Res. Inst., AIST) ○Akira Takahashi, Yutaka Sugiyama, Keiko Noda, Tohru Kawamoto
16:05-16:20 接続チェック	
16:20- 20:00	<b>Symposium S5</b> Advanced Functional Materials based on Polyoxometalates