



第十届中国双边 金属原子簇化合物研讨会

时间：10月24-25日

地点：怡山大厦

会议将邀请中日两国100多位知名学者交流，共有70多场学术报告。报告的内容和地点详见本所内网，欢迎感兴趣的职工、研究生参加！



**10th China-Japan Joint Symposium on
Metal Cluster Compounds**

**10th CJS MCC
Program Manual**

October 23 - 26, 2015

Fuzhou, China

10th CJSMCC

October 23 - 26, 2015, Fuzhou, China

SPONSORED BY

- Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences
- Xiamen University
- Fuzhou University
- State Key Laboratory of Structural Chemistry

FINANCIALLY SUPPORTED BY

- National Natural Science Foundation of China
- Bureau of International Cooperation, Chinese Academy of Sciences
- State Key Laboratory of Structural Chemistry
- Rigaku Corporation, Japan

SERVICE AND SUPPORT

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Emergency Call: 110

10th CJS MCC Timetable at a Glance

October 23, Friday		
08:00-22:00	At the lobby, First Floor, Main Building	Registration
18:30	Yi Yuan Restaurant, First Floor, Main Building	Reception Dinner
October 24, Saturday		
08:00-08:20	International Hall, Third Floor, Main Building	Opening Ceremony
08:20-09:50		Prof. Jiayi Lu Memorial Session, Part 1
09:50-10:10	At the gate, First Floor, Yi Shan VIP House	Taking Photos and Coffee Break
10:10-12:10	International Hall, Third Floor, Main Building	Prof. Jiayi Lu Memorial Session, Part 2
12:10-14:00	Yi Yuan Restaurant, First Floor, Main Building	Lunch
14:00-17:40	No.5 Multi-function Hall, First Floor, Yi Shan VIP House	Session 1
	No.3 Multi-function Hall, First Floor, Yi Shan VIP House	Session 2
	No.1 Multi-function Hall, First Floor, Yi Shan VIP House	Session 3
18:30	Yi Shan Restaurant, Second Floor, Main Building	Banquet
October 25, Sunday		
08:10-12:00	No.5 Multi-function Hall, First Floor, Yi Shan VIP House	Session 1
	No.3 Multi-function Hall, First Floor, Yi Shan VIP House	Session 2
	No.1 Multi-function Hall, First Floor, Yi Shan VIP House	Session 3
12:00-14:00	Yi Yuan Restaurant, First Floor, Main Building	Lunch
14:00-17:40	No.5 Multi-function Hall, First Floor, Yi Shan VIP House	Session 1
	No.3 Multi-function Hall, First Floor, Yi Shan VIP House	Session 2
	No.1 Multi-function Hall, First Floor, Yi Shan VIP House	Session 3
17:40-18:10	International Hall, Third Floor, Main Building	Closing Ceremony
18:30	Yi Yuan Restaurant, First Floor, Main Building	Dinner
October 26, Monday		
Farewell		

10th CJSMCC Organizing Committee

China

Xin-Tao Wu	Fujian Institute of Research on the Structure of Matter, CAS
Lan-Sun Zheng	Xiamen University
Mao-Chun Hong	Fujian Institute of Research on the Structure of Matter, CAS
Xiao-Ming Chen	Sun Yat-sen University
Xian-Zhi Fu	Fuzhou University
Rong Chen	National Natural Science Foundation of China
Hua-Sheng Qiu	Bureau of International Cooperation, CAS
Rong Cao	Fujian Institute of Research on the Structure of Matter, CAS
Can-Zhong Lu	Fujian Institute of Research on the Structure of Matter, CAS
Guo-Cong Guo	Fujian Institute of Research on the Structure of Matter, CAS
Wei-Ping Su	Fujian Institute of Research on the Structure of Matter, CAS

Japan

Susumu Kitagawa	Kyoto University
Ken Sakai	Kyushu University
Hiroshi Nishihara	The University of Tokyo
Masahiro Yamashita	Tohoku University
Hiroki Oshio	Tsukuba University
Makoto Fujita	The University of Tokyo
Hiroshi Kitagawa	Kyoto University
Kentaro Tanaka	Nagoya University
Masaaki Ohba	Kyushu University
Ho-Chol Chang	Chuo University
Hitoshi Miyasaka	Tohoku University

Program

Friday, October 23, 2015

8:00-22:00	Registration (Fuzhou Yishan Hotel)
18:30	Reception Dinner

Saturday, October 24, 2015

Opening Ceremony (International Hall, Third Floor, Main Building) <i>Chairman: Prof. Xin-Tao Wu</i>		
08:00-08:20	Remarks:	Prof. Rong Cao Prof. Susumu Kitagawa
Prof. Jiayi Lu Memorial Session		
<i>Part 1. Chairman: Xin-Tao Wu</i>		
08:20-08:50	PL-01	Hiroshi Kitagawa (Kyoto University) Dimensional Crossover in Coordination Chemistry
08:50-09:20	PL-02	Rong Cao (Fujian Institute of Research on the Structure of Matter, CAS) Cluster Chemistry in FJIRSM
09:20-09:50	PL-03	Kimihisa Yamamoto (Tokyo Institute of Technology) Synthesis of Subnano-Size Metal Particles Using a Nano-Reactor
09:50-10:10	Taking Photos and Coffee Break	
<i>Part 2. Chairman: Hiroki Oshio</i>		
10:10-10:40	PL-04	Nan-Feng Zheng (Xiamen University) Surface Coordination Chemistry on Metal Nanocrystals and Nanoclusters
10:40-11:10	PL-05	Osamu Ishitani (Tokyo Institute of Technology) Photocatalytic Reduction of a Low Concentration of CO ₂
11:10-11:40	PL-06	Xin-Chen Wang (Fuzhou University) Graphitic Carbon Nitride Polymers toward Sustainable Photoredox Catalysis
11:40-12:10	PL-07	Jun Li (Tsinghua University) On the Aromaticity of d- and f-Block Metal Clusters
12:10-14:00	Lunch	

Saturday, October 24, 2015

<i>Part 1</i>	Session 1		Session 2		Session 3	
	<i>Chairman: Hiroshi Nishihara</i>		<i>Chairman: Ren-Gen Xiong</i>		<i>Chairman: Xun Wang</i>	
14:00-14:20	IL-1	Guo-Xin Jin (Fudan University) Organometallic Macrocycles and Cages	IL-2	Shi-Lun Qiu (Jilin University) Covalent Organic Frameworks (COFs): from Design to Applications	IL-3	Zhi-Yong Tang (National Center for Nanoscience and Technology, Beijing) Inorganic Nanoparticle-Metal Organic Framework Core-Shell Nanostructures: a Novel Multifunctional Platform
14:20-14:40	IL-4	Ken Sakai (Kyushu University) Hybrid Molecular Photocatalysts Driving H ₂ Evolution from Water	IL-5	Shigeyuki Masaoka (Institute for Molecular Science) Molecular Catalysts for Water Oxidation	IL-6	Jie-Peng Zhang (Sun Yat-sen University) Controlling Framework Flexibility of Porous Coordination Polymers
14:40-15:00	IL-7	Jian-Ping Lang (Soochow University) Structural Diversity and Improved NLO Responses of Cu(I) Clusters and Polymers of [Tp*MS ₃] ⁻ (M = Mo; W)	IL-8	Qian Zhang (Northeast Normal University) New Methods for C–N Bonds Construction Based on N-Fluorobenzenesulfonimide	IL-9	Ya-Wen Zhang (Peking University) Structural Modulation of Rare Earth / Noble Metal Nanocatalysts with Enhanced Catalytic Performances
15:00-15:20	IL-10	Tomoaki Tanase (Nara Women's University) Low-Valent Extended Metal Atom Chains Supported by Polyphosphines	IL-11	Qiang Xu (National Institute of Advanced Industrial Science and Technology/Kobe University) Immobilizing Small Metal Nanoparticles	IL-12	Dan Wang (Institute of Process Engineering, CAS) Multi-shelled Hollow Microspheres: Synthesis & Application
15:20-15:40	IL-13	Wei-Yin Sun (Nanjing University) Controlled Synthesis and Property of Porous Coordination Polymer Nano/Micromaterials	IL-14	Dan Li (Shantou University) Functionality from Crystalline Supramolecular Self-Assembly	IL-15	Hai-Long Jiang (University of Science and Technology of China) Modification of Metal-Organic Frameworks for Improved Stability and Catalysis
15:40-16:00	Coffee Break					

<i>Part 2</i>	Session 1		Session 2		Session 3	
	<i>Chairman: Guo-Xin Jin</i>		<i>Chairman: Qiang Xu</i>		<i>Chairman: Zhi-Yong Tang</i>	
16:00-16:20	IL-16	Masayuki Nihei (Tsukuba University) Controlled Electron Transfers in Cyanide-Bridged Multi-Nuclear Complexes	IL-17	Yasuhide Inokuma (The University of Tokyo) The Crystalline Sponge Method	IL-18	Xun Wang (Tsinghua University) Ultrathin Metallic Nanostructures
16:20-16:40	IL-19	Yong Cui (Shanghai Jiao Tong University) Porous Metallosalen Frameworks for Asymmetric Catalysis	IL-20	Ren-Gen Xiong (Southeast University) Molecular Ferroelectric Compounds with Semiconductor-like Properties	IL-21	Xue-Yuan Chen (Fujian Institute of Research on the Structure of Matter, CAS) Dissolution-Enhanced Luminescent Bioassay Based on Inorganic Lanthanide Nanoparticles
16:40-17:00	IL-22	Hong Yan (Nanjing University) Metal-metal Redox Synergy in Selective B-H Activation of Ortho-carborane-9,12-dithiolate	IL-23	Yumi Yakiyama (Osaka University) Utilization of Multi-interactive Azaphenalenenes	IL-24	Ming-Hua Zeng (Guangxi Normal University) A Giant {Co ₆₄ } Nanowheel: New Record of Cobalt Coordinative Cluster
17:00-17:20	IL-25	Hiroki Oshio (University of Tsukuba) Metal Complexes with High-spin Ground States	IL-26	Han-Min Huang (Lanzhou Institute of Chemical Physics, CAS) A New and Versatile Cyclopalladated Complex: Preparation and Applications	IL-27	Xiao-Gang Qu (Changchun Institute of Applied Chemistry, CAS) Targeting Telomerase and Amyloid Beta and Their Applications in Disease Treatment
17:20-17:40	IL-28	Quan-Ming Wang (Tsinghua University) Gold Nanoclusters Containing Protective Phosphine/Alkynyl Ligands	IL-29	Miho Yamauchi (Kyushu University) Materials Development for the Realization of Carbon-Neutral Energy Cycles	IL-30	Guang-Shan Zhu (Northeast Normal University) Construction of Porous Aromatic Frameworks for Storage Application
18:30	Banquet Chairman: Prof. Rong Cao (Remarks: Prof. Xintao Wu, Prof. Koji Tanaka, Prof. Kazuyuki Tatsumi)					

Sunday, October 25, 2015

<i>Part 1</i>	Session 1		Session 2		Session 3	
	<i>Chairman: La-Sheng Long</i>		<i>Chairman: Jing-Lin Zuo</i>		<i>Chairman: Jun Chen</i>	
08:40-09:00	IL-31	Xin Xu (Fudan University) Understanding the Non-Planarity in Metallabenzene Complexes	IL-32	Su-Yuan Xie (Xiamen University) Synthesis and Photovoltaic Properties of Novel Fullerenes	IL-33	Yao-Yu Wang (Northwest University) New Functional Materials-Metal-Organic Frameworks (MOFs)
09:00-09:20	IL-34	Kentaro Tanaka (Nagoya University) Liquid Crystals of Metallo-Macrocycles	IL-35	Masaaki Ohba (Kyushu University) Functional Space Integrated Lipophilic Coordination Compounds and Liposome	IL-36	Zhong-Ming Sun (Changchun Institute of Applied Chemistry, CAS) Synthesis and Electronic Structures of All-metal Aromatic Clusters
09:20-09:40	IL-37	Ming-Liang Tong (Sun Yat-sen University) Symmetry Strategy to Enhance the Magnetic Anisotropy of Single-Molecule Magnets	IL-38	Chuan-De Wu (Zhejiang University) Porous Metalloporphyrinic Frameworks for Biomimetic Catalysis	IL-39	Ling-Dong Sun (Peking University) Application of Lanthanide Nanocrystals: Competition Between Size and Structure
09:40-10:00	IL-40	Wei-Sheng Liu (Lanzhou University) Self-Assembly of Helical Polynuclear Lanthanide Clusters by Fixation of Anions	IL-41	Jian Zhang (Fujian Institute of Research on the Structure of Matter, CAS) Synthesis and Properties of Homochiral Metal-Organic Frameworks	IL-42	Jean-Claude Bunzli (Swiss Federal Institute of Technology Zurich) Understanding Structure-Luminescence Relationship in Lanthanide Compounds: Going Beyond Connectivity Diagrams
10:00-10:20	Coffee Break					

<i>Part 2</i>	Session 1		Session 2		Session 3	
	<i>Chairman: Kentaro Tanaka</i>		<i>Chairman: Masaaki Ohba</i>		<i>Chairman: Yao-Yu Wang</i>	
10:20-10:40	IL-43	La-Sheng Long (Xiamen University) Magnetocaloric Effect of Lanthanide and Lanthanide-transition Metal Clusters	IL-44	Jing-Lin Zuo (Nanjing University) Multifunctional Single-molecule Magnets with Tetrathiafulvalene Unit: Synthesis, Properties and Surface Assembly	IL-45	Tao Wu (Soochow University) Atomically Precise Doping in Chalcogenide-based Coreless Nanocluster for Tunable Electro-/Photoelectric and Photoluminescent Properties
10:40-11:00	IL-46	Takafumi Ueno (Tokyo Institute of Technology) Metal Carbonyl-Protein Materials for Carbon Monoxide Delivery in Living Cells	IL-47	Takashi Uemura (Kyoto University) Polymer Chemistry in Coordination Nanospaces	IL-48	Ya-Qian Lan (Nanjing Normal University) Polymolybdate-based Metal-Organic Frameworks and Derivatives as Electrocatalysts for Highly Efficient Hydrogen Evolution
11:00-11:20	IL-49	Li-Min Zheng (Nanjing University) Functional Metal Phosphonates with Tunable Properties	IL-50	Zhao-Hui Li (Fuzhou University) Highly Selective Photocatalytic Benzene Hydroxylation to Phenol with Hydrogen Peroxide over Fe-based Metal-Organic Frameworks	IL-51	Wei Shi (Nankai University) Coordination Clusters Assembled in Metal-organic Frameworks
11:20-11:40	IL-52	Shinya Takaishi (Tohoku University) CDW-to-MH Phase Transition in Bromo-bridged Palladium Chain Complexes	IL-53	Shuhei Furukawa (Kyoto University) Metal-organic Frameworks Towards Gas Biology Applications	IL-54	Quan Yuan (Wuhan University) Controlled Synthesis and Application of Rare Earth-Based Inorganic Nanomaterials
11:40-12:00	IL-55	Qiao-Wei Li (Fudan University) Ordered Defects in Metal-Organic Frameworks by Crystal Engineering	IL-56	Biao Wu (Northwest University) Anion Coordination and Supramolecular Assembly	IL-57	Fu-Jun Li (Nankai University) Designing Functional Cathode Catalysts for Li-O ₂ Batteries
12:00-14:00	Lunch					

<i>Part 3</i>	Session 1		Session 2	
	<i>Chairman: Hitoshi Miyasaka</i>		<i>Chairman: Cheng-Yong Su</i>	
14:00-14:20	IL-58	Tepei Yamada (Kyushu University) Control of Ionic Motion in Asymmetric Nanospace	IL-59	Ryota Sakamoto (The University of Tokyo) Low-Dimensional Materials Based on Coordination Compounds
14:20-14:40	IL-60	Wen-Hua Sun (Beijing Institute of Chemistry, CAS) Progression of Late Transition Metal Complex Pre-catalysts in Ethylene Oligomerization and Polymerization: Significant Contribution of Coordination Chemistry	IL-61	Jun-Hua Luo (Fujian Institute of Research on the Structure of Matter, CAS) Nonlinear Optical and Nonlinear Optical Switch Crystalline Materials
14:40-15:00	IL-62	Tetsuro Murahashi (Tokyo Institute of Technology) Metal Assembly in Organometallic Sandwich Frameworks	IL-63	HO-CHOL CHANG (Chuo University) Challenges for Making Photo-Controllable Energy Carrier System Based on Iron Complexes With Redox-Active Ligands
15:00-15:20	IL-64	Tong-Bu Lu (Sun Yat-sen University) The Studies of Catalytic Mechanism for Water Oxidation Catalysts	IL-65	Guo-Yu Yang (Beijing Institute of Technology) Oxo Clusters and Cluster-Organic Frameworks
15:20-15:40	IL-66	Jun Tao (Xiamen University) From Spin Crossover to Single-Molecule Magnetism and Spin Crossover-Fluorescence Synergy	IL-67	Chun-Ying Duan (Dalian University of Technology) Polyoxometalate-Based Homochiral Metal-Organic Frameworks for Tandem Asymmetric Transformation of Cyclic Carbonates from Olefins
15:40-16:00	Coffee Break			

<i>Part 4</i>	Session 1		Session 2	
	<i>Chairman: Tong-Bu Lu</i>		<i>Chairman: Chun-Ying Duan</i>	
16:00-16:20	IL-68	Hitoshi Miyasaka (Tohoku University) Functional MOFs: Toward the Synergistic Control of Electrons, Spins, Structures, and Chemical Interactions	IL-69	Yoshiaki Nishibayashi (The University of Tokyo) Molybdenum-Catalyzed Reduction of Molecular Dinitrogen into Ammonia under Ambient Conditions
16:20-16:40	IL-70	Jin-Kui Tang (Changchun Institute of Applied Chemistry, CAS) Structures and Relaxation Dynamics of Lanthanide Single-Molecule Magnets	IL-71	Xian-He Bu (Nankai University) New Metal-Organic Frameworks: Construction and Properties
16:40-17:00	IL-72	Bin Zhao (Nankai University) Cluster-Based Compounds Behaving as Single-Molecule Magnets	IL-73	Cheng-Yong Su (Sun Yat-sen University) Coordination Driven Assembly of Metal-organic Containers (MOCs)
17:00-17:20			IL-74	Shu-Yan Yu (Beijing University of Technology) Metal-Metal Bonding Directed Self-Assembly of Supramolecular Clusters
Closing Ceremony: <i>Chairman: Xiao-Ming Chen</i>				
17:20-17:50		Remarks:	Prof. Mao-Chun Hong Prof. Kentaro Tanaka	
17:50			Dinner	

GENERAL INFORMATION

Name Badge

Each participant will receive upon registration a Symposium Name Badge which should be worn at all the scientific and social programs. For identification, the name badge will be in different color: blue for participants, yellow for the staff, green for volunteers.

Smoking

Smoking is forbidden in the public place in the city of Fuzhou.

Insurance

No responsibility can be assured for any kind of personal accidents, sickness, theft, or property damage suffered by symposium participants. Participants are advised to arrange whatever insurance they consider it necessary.

Currency and credit cards

The unit of Chinese currency is Yuan (or RMB/CNY). The exchange rate is subject to market fluctuations. One Yen is equivalent to approximately 0.0535 CNY on October 15, 2015. Major credit cards such as VISA and MasterCard are accepted at the hotel.

Tipping

Tipping is not a part of Chinese custom. No tipping is expected unless you are provided with extra service. It is not necessary to tip a taxi driver unless he/she assists with luggage or provides extra service.

Electricity

The standard domestic power supply in China is 220 V AC at 50 Hz. The standard sockets are two parallel lines and three lines as shown on the right photo.



MAPS



