

5<sup>th</sup> Asian Conference on Coordination Chemistry (ACCC5)

Date : 12 - 16 July, 2015

Venue: The University of Hong Kong, Hong Kong

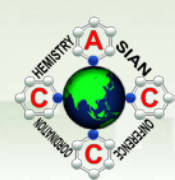


## **Notes for Poster Presenters**

- (1) The poster board size is 2350 mm (height) x 950 mm (width). We recommend a poster size of A0 (1189 mm height x 841 mm width).
- (2) The poster should be mounted with its top side close to the top edge of the poster board.
- (3) Please do NOT use mounting materials other than those provided by the conference organizer.
- (4) Posters should be mounted from 13:30 on 13 July (Mon) and removed by 20:30 on 14 July (Tue). Any posters left on the boards after 20:30 on 14 July (Tue) will be disposed of without further notice.
- (5) Please note that Poster Presenters are responsible for mounting and removing the posters themselves.
- (6) NO on-site poster printing and parcel collection services will be available. Please bring your poster (hardcopy) to the conference venue.
- (7) Poster Presentation Sessions:  
13 July (Mon) at 18:00 – 20:00 (Odd Numbers)  
14 July (Tue) at 18:00 – 20:00 (Even Numbers)  
[Please see attached for poster numbers]  
Venue: CDP-LG.07, CDP-LG.08, CDP-LG.09, and CDP-LG.10

# Poster Presentations

- PR001 Ligand Radical-Coordinated Palladium(II) Complexes and Their Reactivity  
**Akram Ali, Suman K Barman, Rabindranath Mukherjee**
- PR002 Group 2– and Group 12–Metal Complexes  
**Matthew P Blake, Nikolas Kaltsoyannis, Philip Mountford**
- PR003 Spectroscopic Behaviors and Electron Transfer Kinetics for Mixed-Valence Systems Derived from Covalently Bonded Dimolybdenum Units  
**Tao Cheng, Miao Meng, Chun Y Liu**
- PR004 Synthesis and Electronic Structure of *trans*-Ru(C≡CC<sub>6</sub>H<sub>4</sub>R)<sub>2</sub>[P(OEt)<sub>3</sub>]<sub>4</sub> Complexes: From Wire-Like Structures to 'Inside-Out' Mixed Valency  
**Samantha G Eaves, Brian W Skelton, Paul J Low**
- PR005 Photo-Triggered Chelate Ring-Opening Reaction of Heteroleptic Ru(II) Complexes with Acetylacetonato and Tri-2-pyridylamine  
**Tsuyoshi Fujii, Mari Toyama, Noriharu Nagao**
- PR006 Computational Study on Photochemical Hydrogen Evolution from Water Catalyzed by Graphitic Carbon Nitride: What is the Essential Atomistic Factor in the Reactions?  
**Kohei Goto, Manabu Sugimoto**
- PR007 Synthesis and Characterization of Zinc(II) Complex with 4-Methyl-2-(phenylazo)pyridine  
**Kanidtha Hansongnern, Chaveng Pakawatchai, Saowanit Saithong**
- PR008 Room-Temperature Averaged Valence State in MX-Chain Complexes Stabilized by Ligand-Anion Interaction  
**Hiroaki Iquchi, Mian Mohammad Rasel, Shinya Takaishi, Masahiro Yamashita**
- PR009 Changing of the Ligand Field Splitting by Means of the Distortion of the Molecule  
**Tomohiko Ishij, Momoe Nakano, Masanori Iwakura, Shota Okazaki, Uchu Henmi, Kazuyoshi Ogasawara, Genta Sakane, Masahiro Yamashita**
- PR010 Thermal Substitution and Isomerization Reaction, and DFT Calculations of Bis-Heteroleptic Ru(II) Complexes with *N*-Methyl-di-(2-pyridyl)amine and 2,2'-Bipyridine  
**Naoto Kasai, Mari Toyama, Noriharu Nagao**
- PR011 Construction, Characterizations and Physicochemical Properties of Silver(I) Complexes Containing C<sub>2</sub>-Symmetric Tridentate Ligands  
**Jeong Gyun Kim, Ok-Sang Jung**
- PR012 Computational Data Mining for Molecular Property Analysis  
**Takayuki Kurogi, Manabu Sugimoto**
- PR013 A Study on Platinum(II) Alkynyl Systems of Tridentate Pincer Ligands in Nonradiative Process *via* the Metal-Centered Excited States by a Computational Approach  
**Wai Han Lam, Elizabeth Suk-Hang Lam, Vivian Wing-Wah Yam**
- PR014 Syntheses, Structures, and Thermal Reaction of Bis-Heteroleptic Ru(II) Complexes with ddppd and mdpa  
**Yu Muranaka, Jun-ya Okuda, Mari Toyama, Noriharu Nagao**
- PR015 Peeling the Onion: Unravelling the Electronic Structure of Matryoshka Clusters  
**Fu Kit Sheong, Wen-Jie Chen, Hwon Kim, Zhenyang Lin**
- PR016 Thermal and Photochemical Isomerization Reactions of Mononuclear Ru(II)-dmsO Complex with an Unsymmetrical Bis-Bidentate Ligand  
**Taichi Takeuchi, Takashi Makise, Mari Toyama, Noriharu Nagao**
- PR017 Geometric and Electronic Structures of Polyoxomolybdate Compounds: Self-Assembling, Fragment, Orbital Interaction, and Formation Mechanism  
**Yi-Ping Tong, Xiao-Dan Zheng, Yan-Wen Lin**
- PR018 Nonanuclear Co(II) and Ni(II) Clusters Based on Triplicated Asymmetric Multidentate Ligands  
**Yasuhiro Tsuji, Tatsuo Togo, Akio Mishima, Tomomi Koshiyama, Masaaki Ohba**
- PR019 Coordination Behavior of A Triphosphine-Bridged Trigold(I) Metalloligand Toward Cobalt Ion  
**Nobuto Yoshinari, Yuji Hashimoto, Takumi Konno**
- PR020 Synthesis of Macrocyclic Mononuclear Copper Complexes  
**Huali Zhang, Qingrong Cheng, Hong Zhou, Zhiquan Pan**
- PR021 Constructing Bis(porphyrinato) Rare Earth Doubledecker Complexes Involving *N*-Confused Porphyrin  
**Yuehong Zhang, Jianzhuang Jiang**

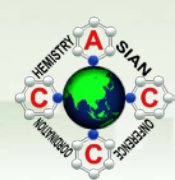


# Poster Presentations

- PR022 Preparations and Characterizations of Monochlorocyclopentadienyl Complexes of Ruthenium and Osmium Metals  
**Wei Bai, Herman Ho-Yung Sung, Ian Duncan Williams, Guochen Jia**
- PR023 Allylphosphine Reactivity: Deprotonation Versus P–C Bond Cleavage  
**Victoria L Blair, Christopher Thompson**
- PR024 A Convenient Route to Rhenium Carbyne Complexes  
**Ka Wing Chan, Wei Bai, Herman H Y Sung, Ian D Williams, Guochen Jia**
- PR025 Synthesis, Structural Characterization and Aromaticity of Carborane-Fused Carbo- and Heterocycles  
**Tek Long Chan, Zuowei Xie**
- PR026 Rectification of Phillips Ethylene Trimerization and Chromium Precursor  
**Jong Yeob Jeon, Dong Hwan Lee, Bun Yeoul Lee**
- PR027 Density Functional Theory Studies on the Reaction of a Rhenacyclobutadiene with Ethoxyethyne  
**Ka-Ho Lee, Ran Lin, Guochen Jia, Zhenyang Lin**
- PR028 Synthesis and Characterization of Tungsten Alkyne-Carbene Chelate Complexes  
**Tsz-Fai Leung, Ka Ho Lee, Herman H Y Sung, Ian D Williams, Zhenyang Lin, Guochen Jia**
- PR029 Inert B–H Activation by Metal–Metal Cooperativity  
**Huanhuan Li, Zhongming Yang, Hong Yan**
- PR030 Substituent Effects on Gold-Catalyzed Intramolecular Cyclization of  $\alpha$ -Pyrroles to Pyrrolopyridinones and Pyrroloazepinones: A DFT Study  
**Yang Li, Zhenyang Lin**
- PR031 Synthesis and Characterization of Homobimetallic Ruthenium Complexes Bearing *N*-Heterocyclic Carbene Ligand  
**Deep Mala, Balaji R Jagirdar**
- PR032 Hydrophosphination Using Cationic Primary Phosphine Iron Complexes: Synthesis of Functionalized *P*-Chiral Phosphines  
**Wolfgang Malisch, Bernd Klüpfel**
- PR033 Synthesis and Structure of Aluminabenzene-Zirconium Complexes  
**Taichi Nakamura, Katsunori Suzuki, Makoto Yamashita**
- PR034 Synthesis and Reactivity of Zirconium and Hafnium Complexes with a Tripod Aryloxide Ligand  
**Yusuke Nakanishi, Yutaka Ishida, Hiroyuki Kawaguchi**
- PR035 Synthesis of Anionic *N*-Heterocyclic Carbene Complexes  
**Abbas Raja Naziruddin, Nai-Chieh Lin, Fu-Chen Liu, Ivan J B Lin**
- PR036 Stabilizing Low-Coordinate Iron(I) Species with Monodentate NHC Ligands: The T-Shape and Linear Iron(I) Compounds  
**Zhenwu Ouyang, Liang Deng**
- PR037 Redox-Induced Reversible Intramolecular C–N Bond Formation Regulates CO-Ligand Reactivity in Azopyridylruthenium Complexes  
**Dai Oyama, Bisa Mun, Tsugiko Takase**
- PR038 Preparation of Octahydro- and Tetrahydro-[1,10]Phenanthroline Group 4 Metal Complexes for Olefin Polymerization  
**Eun Yeong Hwang, Geun Ho Park, Bun Yeoul Lee**
- PR039 Iridium Catalyzed Regioselective Cage Boron Alkenylation of *o*-Carboranes *via* Direct Cage B–H Activation  
**Yangjian Quan, Zuowei Xie**
- PR040 Migratory Insertion and Reductive Coupling of Tetraryl ruthenium(IV) Complexes  
**Shiu-Chun So, Wai-Man Cheung, Ian D Williams, Wa-Hung Leung**
- PR041 Tunable Excited-State Properties of Anthracene Derivatives Triggered by Carboranes  
**Deshuang Tu, Xing Wei, Hong Yan**
- PR042 Synthesis, Structure, and Reactivity of *N*-Heterocyclic Borylene Supported by Carboranyl Ligands  
**Hao Wang, Zuowei Xie**
- PR043 Stabilization of High-Valent Iron Imido Complexes with Monodentate Aminocarbenes  
**Lei Wang, Hezhong Zhang, Liang Deng**

# Poster Presentations

- PR044 DFT Studies of the Formation Mechanism of an Unusual Peroxo Trimer from the Reaction of a Zirconium(IV) Amide with O<sub>2</sub>  
**Zheng Wang, Zi-ling Xue, Zhenyang Lin**
- PR045 Mechanochemical Synthesis of *N*-Heterocyclic Carbenes with Group 13 Metals  
**Meiyi Melissa Wu, Felipe García**
- PR046 Insertion Reaction of Isonitriles with Tantalum(V) Complexes Bearing Lewis-Base Appended Dicarboxylate Ligand  
**Li Xiang, Zuowei Xie**
- PR047 Insight into Reaction Mechanism of [2+2+1] Cross-Cyclotrimerization of Carbonyne with Alkene and Trimethylsilylalkyne Mediated by Nickel Complex  
**Jiji Zhang, Zhenyang Lin, Zuowei Xie**
- PR048 Regioselective Insertion of  $\alpha$ -Carbonynes into  $\alpha$ -C–H Bond of Tertiary Amines: Synthesis of  $\alpha$ -Carboranylated Amines  
**Da Zhao, Jiji Zhang, Zuowei Xie**
- PR049 DFT Studies on 1,3-Dipolar Cycloaddition of Azomethine Ylides with Cycloheptatriene Derivatives  
**Fu Kit Sheong, Yu Zhou, Zhenyang Lin**
- PR050 Noble Metals Containing Polyoxoniobates  
**Pavel A Abramov, Maxim N Sokolov**
- PR051 Rhodium(III)-Catalyzed Formal Oxidative [4+2] Cycloaddition of Benzosemicarbazones and Alkynes. A Facile Synthesis of Isoquinolines  
**Chun-Ming Chan, Wing-Yiu Yu**
- PR052 Base-Promoted, Selective Alkyl Carbon–Oxygen Bond Cleavage of Aryl Alkyl Ethers by Iridium(III) Porphyrin Complexes  
**Chen Chen, Kin Shing Chan**
- PR053 Heptazine-Based Porous Framework for Selective CO<sub>2</sub> Sorption and Organocatalytic Performances  
**Qin-qin Dang, Yu-fen Zhan, Xian-Ming Zhang**
- PR054 Room Temperature Selective Carbon–Carbon Bond Activation of Ketones by Rhodium(II) Porphyrin  
**Siu Yin Lee, Shiyu Feng, Kin Shing Chan**
- PR055 Electrocatalytic Reduction of Carbon Dioxide by a Cobalt Complex: Synergistic Effect of Weak Brønsted Acid  
**Lingjing Chen, Zhenguo Guo, Tai-Chu Lau**
- PR056 Group 11 Metal-Catalyzed C–F Bond Activation: Reactivity and Mechanism  
**Ji-Yun Hu, Hongbin Lv, Jinhui Zhan, Yuan-Bo Cai, Jun-Long Zhang**
- PR057 Combination of Coordination Polymerization and Anionic Polymerization in One-Pot: Polyolefin-Polystyrene Block Copolymer  
**Jong Yeob Jeon, Geun Ho Park, Bun Yeoul Lee**
- PR058 The Mechanism of E–H (E = N, O) Bond Activation by a Germanium Corrole Complex: a Combined Experimental and Computational Study  
**Huayi Fang, Huize Jing, Shengfa Ye, Xuefeng Fu**
- PR059 Copper-Catalyzed Cross-Dehydrogenative Coupling of *N*-Arylacrylamides with Chloroform Using *tert*-Butyl Peroxybenzoate as Oxidant for the Synthesis of Trichloromethylated 2-Oxindoles  
**Chun-Wo Chan, Pui-Yiu Lee, Zhongyuan Zhou, Wing-Yiu Yu**
- PR060 Syntheses and Catalytic Properties of Copper Pyrazolate Complexes  
**Hong-Xi Li, Jian-Ping Lang**
- PR061 Catalytic Water Oxidation by Ruthenium(II) Quaterpyridine (qpy) Complexes: Evidence for Ruthenium(III) Qpy-*N,N'*-dioxide Complexes as the Real Catalysts  
**Yingying Liu, Siu-Mui Ng, Shek-Man Yiu, William W Y Lam, Xi-Guang Wei, Kai-Chung Lau, Tai-Chu Lau**
- PR062 [Cp\*Rh<sup>III</sup>]-Catalyzed 1,2-Chloroarylation of *N*-Methoxy-*N*-methylacrylamide with Organoboronic Acids and *N*-Chlorophthalimide. A Versatile Synthesis of  $\alpha$ -Chlorocarbonyl Derivatives  
**Siu-Fung Lo, Wing-Yiu Yu**
- PR063 Cerium(IV)-Driven Water Oxidation Catalyzed by a Manganese(V) Nitrido Complex  
**Li Ma, Qian Wang, Wai-Lun Man, Hoi-Ki Kwong, Chi-Chiu Ko, Tai-Chu Lau**



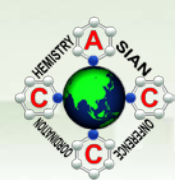
# Poster Presentations

- PR064 Molybdenum(0) Pyridine-Imine and Pyridine-Amine Complexes as Catalysts for Olefin Epoxidation  
**Dara Khairunnisa Binte Mohamed, Xiaolu Song, Jin Zhao, Tzi Sum Andy Hor**
- PR065 Cp\*Rh<sup>III</sup>-Catalyzed *Ortho*-Selective Direct C(sp<sup>2</sup>)-H Bond Amidation/Amination of Benzoic Acids by *N*-Chlorocarbamates and *N*-Chloromorpholines. A Versatile Synthesis of Functionalized Anthranilic Acids  
**Fo-Ning Ng, Zhongyuan Zhou, Wing-Yiu Yu**
- PR066 Phosphine-Ag(I)/Au(I) Complexes as Catalysts in the Photodegradation of Aromatic Pollutants  
**Xin-Yi Wu, Hai-Xiao Qi, Zhi-Gang Ren, Jian-Ping Lang**
- PR067 Ligand Free Copper(I)-Catalyzed Synthesis of Diaryl Ether by Cs<sub>2</sub>CO<sub>3</sub> via Free Radical Path  
**Hong-Jie Chen, Mei-Chun Tseng, I-Jui Hsu, Wei-Ting Chen, Chien-Chung Han, Shin-Guang Shyu**
- PR068 Cobalt Porphyrin Catalyzed Carbon-Carbon Bond Transfer Hydrogenation with DMF  
**Chun Meng Tam, Ching Tat To, Kin Shing Chan**
- PR069 Catalytic Oxidation of Water and Alcohols by a Robust Iron(III) Complex Bearing a Cross-Bridged Cyclam Ligand  
**Peng Tan, Hoi-Ki Kwong, Tai-Chu Lau**
- PR070 Hybrid Bidentate Nickel Complexes as Pre-Catalyst for Homocoupling of Benzyl Halide  
**Wei Jie Teo, Zhe Wang, Fei Xue, Jin Zhao, Tzi Sum Andy Hor**
- PR071 Nonheme Iron Mediated Oxidation of Light Alkanes with Oxone: Characterization of Reactive Oxoiron(IV) Ligand Cation Radical Intermediates by Spectroscopic Studies and DFT Calculations  
**Chun-Wai Tse, Toby Wai-Shan Chow, Zhen Guo, Hung Kay Lee, Jie-Sheng Huang, Chi-Ming Che**
- PR072 Ketimido Metallophthalocyanines: An Approach to Phthalocyanine-Supported Mononuclear High-Valent Ruthenium Complexes  
**Jie-Sheng Huang, Kwok-Ming Wong, Sharon Lai-Fung Chan, Ken Chi-Hang Tso, Tao Jiang, Chi-Ming Che**
- PR073 Kinetics and Mechanism for Reactions of (Salen)ruthenium(VI) Nitrido Complex with Hydroxide and Sulfite in Aqueous Solutions  
**Qian Wang, Wai-Lun Man, William W Y Lam, Tai-Chu Lau**
- PR074 Palladium Click-Based Complexes for Catalysis  
**Liuyi Li, Hong Zhong, Ruihu Wang**
- PR075 Synthesis and Reactivity of Subphthalocyanine Boron Triflate  
**Zikuan Wang, Xuefeng Fu**
- PR076 Size-Dependence of the Catalytic Performance of Sub-10 nm PdRu Solid-Solution Nanoparticles  
**Dongshuang Wu, Kohei Kusada, Hiroshi Kitagawa**
- PR077 *N*-Atom Transfer Reaction with Organic Azides Catalyzed by Iron(III) Tetrakis(pentafluorophenyl) Porpholactone  
**Zhuoyan Wu, Yi Yu, Jun-Long Zhang**
- PR078 Synthesis, Spectroscopy of Metal Complexes with Iminodiacetic Acid and Catalytic Oxidation of Nitrobenzene in Aqueous Solution  
**Feifei Xing, Shourong Zhu, Jiaojiao Gao**
- PR079 Nickel-Catalyzed Three-Component Domino Reactions of Aryl Grignard Reagents, Alkynes, and Aryl Halides Producing Tetrasubstituted Alkenes  
**Fei Xue, Jin Zhao, Tzi Sum Andy Hor, Tamio Hayashi**
- PR080 Facile Aerobic Alkylation of Rhodium Porphyrins with Alkyl Halides  
**Wu Yang, Hui Ping Zuo, Wai Yan Lai, Shi Yu Feng, Yat Sing Pang, Kai En Hung, Chu Yi Yu, Yin Fan Lau, Ho Yin Tsoi, Kin Shing Chan**
- PR081 Solvent-Free Heterogeneous Catalysis for Cyanosilylation in a Modified Sodalite-Type Cu(II)-MOF  
**Ling-Juan Zhang, Qin-Qin Dang, Yan-Hong Wang, Xian-Ming Zhang**
- PR082 A User-Friendly Alkylation Method of Iridium Porphyrins with Alkyl Halides  
**Hui Ping Zuo, Zhi Peng Liu, Wu Yang, Kin Shing Chan**
- PR083 Visible Light Promoted Hydration of Alkynes Catalyzed by Rhodium(III) Porphyrin: Reactivity and Mechanistic Studies  
**Xu Liu, Lianghui Liu, Xuefeng Fu**
- PR084 Luminescent Rhenium(I) Complexes with Pyridyl-Carbene Ligands: Synthesis and Photocatalytic Study  
**Chi-On Ng, Shek-Man Yiu, Chi-Chiu Ko**

# Poster Presentations

- PR085 Eu Complex-Functionalized Ordered Mesoporous TiO<sub>2</sub> Based on Visible-Light Sensitization  
**Lining Sun, Zhijuan Wang, Liyi Shi**
- PR086 Covalent Functionalization of Zinc Oxide Nanoparticles and Its Photophysical Properties  
**Wenjuan Xiong, Lihong Yu, Wai Kin Chan, David Lee Phillips**
- PR087 Metallo-Radical Porphyrin Rhodium(II) Promoted Photo Production of Formic Esters from CO and Alcohols  
**Wentao Zhang, Huayi Fang, Yang Zhang, Xuefeng Fu**
- PR088 Organic Memory Devices Based on a Bis-Cyclometalated Alkynylgold(III) Complex  
**Vonika Ka-Man Au, Di Wu, Vivian Wing-Wah Yam**
- PR089 Synthesis, Characterization, Photophysics and Electrochemical Study of Luminescent Iridium(III) Complexes with Isocyanoborate Ligands  
**Kin-Cheung Chan, Wing-Kin Chu, Chi-Chiu Ko**
- PR090 Efficient Solution-Processed Single Emissive Layer White Organic Light-Emitting Diodes Based on Two Iridium Complexes  
**Woosum Cho, Ganguri Sarada, Sung-Ho Jin**
- PR091 Neutral Luminescent Bis(bipyridyl) Osmium(II) Complexes with Improved Phosphorescent Properties  
**Wing-Kin Chu, Shek-Man Yiu, Chi-Chiu Ko**
- PR092 A Unique Molecular Photo/Thermal Switch Combination Derived from Multiple, Sequential and Reversible Ring Closure and Opening  
**Ming Dai, Jian-Ping Lang**
- PR093 Efficient Tailoring of Upconversion Selectivity by Engineering Local Structure of Lanthanides in Fluoride Nanocrystals  
**Hao Dong, Ye-Fu Wang, Ling-Dong Sun, Chun-Hua Yan**
- PR094 Crystal Structure and Photophysical Properties of a Cyclometalated Platinum(II) Complex with Hydrogen Bonding Ability  
**Masanori Ebina, Masaki Yoshida, Atsushi Kobayashi, Masako Kato**
- PR095 Photocycloaddition Reactions within Coordination Networks and the Role of Conformational Change in Promoting Such Reactions  
**Fei-Long Hu, Shu-Long Wang, Jian-Ping Lang**
- PR096 Synthesis and Luminescence Properties of Polymeric Metal Complexes  
**Hua-Liang Huang, Hui-Sheng Wang, Zhi-Quan Pan**
- PR097 Heteroleptic [Bis(oxazoline)](dipyrrinato)zinc(II) Complexes: Bright and Circularly Polarized Luminescence from an Achiral Dipyrrinato Ligand  
**Julius F Kögel, Shinpei Kusaka, Ryota Sakamoto, Hiroshi Nishihara**
- PR098 Synthesis and Photophysical Properties of Ruthenium(II) Isocyanide Complexes with Visible-Light and Infrared Emission  
**Chi-Fai Leung, Chi-Chiu Ko**
- PR099 A Series of Conjugated Triphenylamine-Based Mixed-Valence Chromophores Bearing Prodigious Two-Photon Absorption Activity  
**Dandan Li, Yieying Wu, Yupeng Tian**
- PR100 A Dual "Turn-On" Fluorescent Sensor Based on a Novel Rhodol Derivatives with Two Spirolactone Rings  
**Ling Li, Chunyan Wang, Keith Man-Chung Wong**
- PR101 Design, Synthesis and Ring Opening Behaviors of a Rhodamine-Rhodol Dimer Derivative with Two Spirolactone Rings  
**Yutang Li, Keith Man-Chung Wong**
- PR102 A Cobalt Valence Tautomeric Complex Bridged by Photochromic Ligand  
**Zhao-Yang Li, Jing-Wei Dai, Masahiro Yamashita**
- PR103 Highly Luminescent Sm<sup>III</sup> Complexes with Intraligand Charge-Transfer Sensitization and the Effect of Solvent Polarity on Their Luminescent Properties  
**Wai-Sum Lo, Junhui Zhang, Wing-Tak Wong, Ga-Lai Law**
- PR104 Tunable Luminescence and White Light Emission in Coordination Complexes: New Energy Transfer and Light Modulation Model  
**Lu-Yin Zhang, Bin-Bin Du, Ling Chen, Qing-Yuan Yang, Cheng Yan, Kang Li, Mei Pan, Cheng-Yong Su**





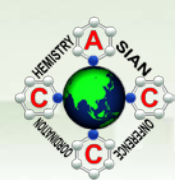
# Poster Presentations

- PR105 Highly Efficient Solution Processed Red Phosphorescent Organic Light-Emitting Diodes Using Multifunctional Iridium(III) Complexes  
**Eun Ju Park, Woosum Cho, Sung-Ho Jin**
- PR106 Photochromic Dithienylethene-Containing Boron(III) Compounds - From Multi-Addressable and Gated Photochromism to Near-Infrared Photochromic Behavior and Photoswitchable Luminescence Functions  
**Chun-Ting Poon, Wai Han Lam, Hok-Lai Wong, Vivian Wing-Wah Yam**
- PR107 Highly Efficient Blue Organic Light-Emitting Diodes with Phosphorescent Emitters Possessing High Horizontal Orientation of Transition Dipole Moments and Quantum Yields  
**Ganguri Sarada, Sung-Ho Jin**
- PR108 Study of Photo-Induced Electron Injection Process in a Ruthenium Containing Triblock Copolymer/Multi-Walled Carbon Nanotubes Composite  
**Haiting Shi, Lili Du, Wai Kin Chan, David Lee Phillips**
- PR109 Highly Efficient Green Phosphorescent Iridium(III) Complexes Containing *N*-Heterocyclic Carbene Ligand and Their Application on Organic Light-Emitting Diodes (OLEDs)  
**Young-Kwang Song, Woosum Cho, Sung-Ho Jin, Young-Inn Kim**
- PR110 Hole-Transporting Materials Using Thiophene Derivatives as Core for Efficient Perovskite Solar Cells  
**Pei-Yang Su, Yi-Fan Chen, Jun-Min Liu, Cheng-Yong Su**
- PR111 Efficient Triplet Blue Emitters Based on Neutral Gold(III) Complexes  
**A Szentkuti, T von Arx, O Blacque, K Venkatesan**
- PR112 Synthesis, Crystal Structure, and Photochemical Reaction of Tris-Heteroleptic Ru(II) Complex with Unsymmetrical Ligand  
**Mari Toyama, Shun Shimizu, Noriharu Nagao**
- PR113 Enhancing Photochromic Properties of Spiropyran Using Ruthenium Alkynyl Complexes  
**Mark C Walkey, Matthew J Piggott, Paul J Low, George A Koutsantonis**
- PR114 New Types of Electron-Transfer Photochromic Compounds  
**Ming-Sheng Wang, Guo-Cong Guo**
- PR115 Water Soluble Lanthanide (III) Complexes for Sensing Zn<sup>2+</sup> Ion  
**Yuk-Wang Yip, Wing-Tak Wong**
- PR116 Multistep Electrochromic Behavior of an Acetamidato-Bridged Mixed-Valent Platinum Complex Bearing a Cyclometalating Ligand  
**Masaki Yoshida, Naoki Yashiro, Hotaka Shitama, Atsushi Kobayashi, Masako Kato**
- PR117 Hydrazone Ligand Based Molecular Assembly and Magnetic Behaviour of Polynuclear Lanthanide Complexes  
**Sourav Biswas, Sourav Das, Vadapalli Chandrasekhar**
- PR118 Syntheses, Structures and Magnetism of High-Nuclearity Mixed-Valence Mn<sub>19</sub> and Mn<sub>21</sub> Complexes  
**Hiromichi Ida, Takuya Shiga, Graham N Newton, Hiroki Oshio**
- PR119 2D-Coordination Polymer Composed of [Mn(salen)] Dimers Showing Antiferromagnetic Transition and Slow Relaxation of Magnetization  
**Koichi Kagesawa, Kana Maeshima, Brian K Breedlove, Masahiro Yamashita**
- PR120 Three Isomeric Copper Phosphonates Based on (4-Carboxynaphthalen-1-yl) Phosphonic Acid: Crystal Structures and Magnetic Properties  
**Bei Liu, Song-Song Bao, Jian-Shen Feng, Min Ren, Li-Min Zheng**
- PR121 Field-Induced Co<sup>2+</sup> Single-Ion Magnets  
**Jia-Jia Liu, Zhao-Sha Meng, Bing-Wu Wang, Zhe-Ming Wang, Song Gao**
- PR122 Magnetic Cupric Chloride Coordination Polymers with Tetrazolate Co-Ligand: Jahn-Teller Distorted Cu-Cl Distances and Secondary Building Units  
**Min-Min Liu, Ru-Xin Yao, Xian-Ming Zhang**
- PR123 Structures and Magnetic Properties of Ln-Cd Clusters with O<sub>2</sub><sup>2-</sup>  
**Zhao-Sha Meng, Bing-Wu Wang, Zhe-Ming Wang, Song Gao**
- PR124 Nitric Oxide Response in a Magnetically-Bistable Hofmann-Type Porous Coordination Polymer  
**Akio Mishima, Ryo Ohtani, Akihiro Hori, Ryotaro Matsuda, Susumu Kitagawa, Tomomi Koshiyama, Masaaki Ohba**

# Poster Presentations

- PR125 Single-Molecule Magnet Properties of a Tetranuclear Dy(III)-Fused Phthalocyaninato Quintuple-Decker Complex  
**Takaumi Morita, Keiichi Katoh, Brian K Breedlove, Masahiro Yamashita**
- PR126 Tunable Cooperativity in Spin-Crossover Metal-Organic Framework Material  
**Jin-Yan Li, Chun-Ting He, Zhao-Ping Ni, Ming-Liang Tong**
- PR127 Magnetically Isolated Cuprate Spin Ladders  
**Sadafumi Nishihara, Xiao Zhang, Yuki Nakano, Kseniya Maryunina, Katsuya Inoue**
- PR128 Syntheses, Structures and Physical Properties of Mn Helices  
**Hiroki Sato, Momoyo Yamaguchi, Tatsuya Onuki, Mao Noguchi, Graham N Newton, Takuya Shiga, Hiroki Oshio**
- PR129 Peripheral Substitution: An Easy Way to Tune the Magnetic Behavior of Tetrakis(phthalocyaninato) Dysprosium(III) SMMs  
**Hong Shang, Jianzhuang Jiang**
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**Juan-Juan Hou, Cai-Hong Guo, Chun-Fang Li, Xian-Ming Zhang**
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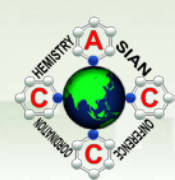


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- PR170 Construction of Helical Coordination Polymers: Metal(II) and Halogen Effects on Thermolysis, Catalysis, and Luminescence  
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**Pei-Qin Liao, Jie-Peng Zhang, Xiao-Ming Chen**
- PR175 An Interesting Metal-Organic Framework Built of Duo SBUs: Tunable Structural Dynamics and Gas Adsorption  
**Weiquan Zhang, Linhong Weng, Yun Ling**
- PR176 Assembly of Metal-Organic Frameworks with 3,3',5,5'-Azobenzene-tetracarboxylic Acid  
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- PR177 Guest Responsive Luminescence of a Sphalerite-Type Framework  
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- PR178 Versatile Tailoring through Single-Crystal to Single-Crystal Transformation in Zn(II) Metal-Organic Frameworks  
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- PR180 Relationship between Gas Adsorption and Structural Flexibility of [Cu(II)<sub>2</sub>(p-XBenzoate)<sub>4</sub>(pyrazine)]<sub>n</sub> (X = Br, or I) Polymers by Hirshfeld Surface Analyses  
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- PR181 Structural Analysis of Organometallic Compounds by the Crystalline Sponge Method  
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- PR182 The First Tritopic Bridging Ligand 1,3,5-Tris(4-carboxyphenyl)-benzene (H<sub>3</sub>BTB) Functionalized Porous Polyoxometalate-Based Metal-Organic Framework (POMOF)  
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- PR183 Keggin-Type Polyoxometalates, α- and β-[PW<sub>12</sub>O<sub>40</sub>]<sup>3-</sup>: Structure and Electrochemistry  
**Tadaharu Ueda, Keisuke Kodani, Hiromi Ota, Motoo Shiro, Si-Xuan Guo, John F Boas, Alan M Bond**
- PR184 Solvent-Exchange Solid-State Structural Transformation of Two 3D Structural Isomeric Coordination Polymers by IR Spectroscopy and PXRD Measurements  
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- PR185 Amino-Decorated Metal-Organic Frameworks for Highly Selective and Quantitatively Sensing of Hg(II) and Cr(VI) in Aqueous Solution  
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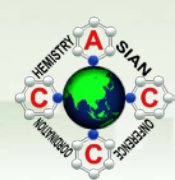


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- PR187 Construction of Porous Structure Based on Cyclic Metal Complexes and Polyoxometalates Composites  
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- PR189 Cation-Anion Dual Sensing of Fluorescent Quinoxalinone Derivative  
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- PR190 Transformable Nanostructures of Luminescent Platinum-Containing Organosilane Hybrids: Non-Covalent Self-Assembly of Polyhedral Oligomeric Silsesquioxanes Assisted by Pt··Pt and  $\pi$ - $\pi$  Stacking Interactions of Alkynylplatinum(II) Terpyridine Moieties  
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- PR191 Multiaddressable Molecular Rectangles with Reversible Host-Guest Interactions: Modulation of pH-Controlled Guest Release and Capture  
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- PR192 Structural Properties and Thermal Behaviors of Silver(I) Coordination Molecular Braids  
**Eun Kyung Choi, Ok-Sang Jung**
- PR193 Flexible Crystals: Stretching the Boundaries of a Single Crystal  
**Jack K Clegg, John C McMurtrie, Anna Worthy, Michael Pfrunder, Aidan Brock, Arnaud Grosjean**
- PR194 Two Hexanuclear Pyrophosphato-Bridged Cobalt(II) and Zinc(II) Complexes Revealing Novel Binding Mode in Selective Detection of Pyrophosphate  
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- PR195 Coordination Polymers Based on  $[Re_4Te_4(CN)_{12}]^{4-}$  Cluster Anion,  $Ln^{3+}$  Cations and *N*-Donor Organic Ligands  
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- PR196 Tunable Self-Assembly Properties of Alkynylgold(I) Complexes through Variations of the Extent of the Aromatic  $\pi$ -Surface and the Alkyl Chain Length  
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**Yusuke Takezawa, Kotaro Nishiyama, Mitsuhiko Shionoya**
- PR213 Structurally Preorganized Metal Complexes as Building Blocks for Dynamic Combinatorial Libraries  
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- PR215 Assembly of Enantioselective Pd<sub>6</sub>(RuL<sub>3</sub>)<sub>8</sub> MOCs from Pre-Resolved Ru(II) Metalloligands and Application in Chiral Resolution of Guest Molecules in Pure Water Solution  
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- PR217 Stepwise Assembly of [4]Catenanes  
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- PR218 Lanthanide Supramolecular Helical Diastereoselective Breaking Induced by Point Chirality: Mixture of *P*-Helix, *M*-Helix  
**Chi-Tung Yeung, Wesley Ting Kwok Chan, Siu-Cheong Yan, Kwan-Leung Yu, King-Him Yim, Wing-Tak Wong, Ga-Lai Law**
- PR219 Supramolecular Frameworks and Coordination Polymers Based on Metal-Imidazolite Cages  
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**Jian-Jun Cao, Cai-Ping Tan, Zong-Wan Mao, Liang-Nian Ji**
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**Yuen-Yan Chang, Ligang Hu, Tianfan Cheng, Hongzhe Sun**
- PR224 Red Fluorescent Probe for Visualization of Intracellular Proteins  
**Ailun Chao, Ya Yang, Hongzhe Sun**
- PR225 Esterase-Responsive Cyclometalated Phosphorescent Iridium(III) Complexes as Anticancer Prodrugs  
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- PR227 Panchromatic Phthalocyanine-Based Conjugates as Light-Harvesting Antennas for Artificial Photosynthesis  
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- PR228 A Glutathione-Responsive Phthalocyanine Trimer as an Activatable Fluorescent Probe and Photosensitizer  
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- PR229 Multi-Functional Water-Soluble Gold(III) Porphyrin-PEG Conjugates: Chemotherapeutic and Nano-Sized Drug Carrier  
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- PR230 Cyclometalated Gold(III) Complexes for Chemoselective Modification of Peptides and Proteins  
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- PR237 Rhenium(I) Polypyridine Complexes Appended with a Diaminoaromatic Moiety as Phosphorogenic Sensors for Nitric Oxide  
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**Xiang Ma, Xiaoyong Wang, Zijian Guo**
- PR239 Novel Chlorophin and Bacteriophin Type NIR Photosensitizers: Synthesis, Photophysical Properties and Photodynamic Activity  
**Ying-Ying Ning, Xian-Sheng Ke, Zi-Shu Yang, Jun-Long Zhang**
- PR240 A Mitochondria Targeting Copper Complex for Cancer Therapy  
**Xiangchao Shi, Xiaoyong Wang, Zijian Guo**
- PR241 A Bioinspired Metal-Mediated Strategy for the Development of ROS Fluorescent Sensors  
**Fung-Kit Tang, Ho Yu Au-Yeung**
- PR242 Unravelling the Correlation between Metal Induced Aggregation and Cellular Uptake/Subcellular Localization of Znsalen: An Overlooked Rule for Design of Luminescent Metal Probes  
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- PR243 Strain-Promoted Alkyne-Azide Cycloaddition-Based Bioorthogonal Labeling, Bioimaging, and Photocytotoxicity Studies of Phosphorescent Ruthenium(II) Polypyridine Dibenzocyclooctyne Complexes  
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- PR244 A Luminescent Cyclometalated Gold(III)-Avidin Conjugate with a Long-lived Emissive Excited State that Binds to Proteins and DNA and Possesses Anti-Proliferation Capacity  
**Johnson Lui-Lui Tsai, Anna On-Yee Chan, Chi-Ming Che**
- PR245 Design of Cyclometalated Iridium(III) Poly(ethylene glycol) (PEG) Complexes as Photoactivatable Cytotoxic Agents  
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- PR246 Mapping Silver-Binding Proteins in *Staphylococcus aureus* by Liquid Chromatography Combined with Gel Electrophoresis and Inductively Coupled Plasma Mass Spectrometry  
**Haibo Wang, Yuchuan Wang, Ligang Hu, Hongzhe Sun**
- PR247 Functional Aza Boron Dipyrromethenes as Efficient Photosensitizers for Photodynamic Therapy  
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- PR248 An Integrated Metalloproteomic Analysis Depicts the Proteomic Features of *Helicobacter pylori* in Response to Bi(III)  
**Yuchuan Wang, Feng Xu, Ligang Hu, Quan Quan, Cheuk-Nam Tsang, Ivan K Chu, Junwen Wang, Hongzhe Sun**
- PR249 Bismuth(III) Phosphinate Complexes as Antibacterial Agents  
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- PR250 pH-Responsive Zinc(II) Phthalocyanine Dimers in Mesoporous Silica Nanoparticles as an Activatable Photosensitizing System for Photodynamic Therapy  
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**Xuling Xue, Chengcheng Zhu, Weijiang He, Zijian Guo**
- PR253 Inhibition of Urease through Disruption of Gtpase Ureg in *Helicobacter Pylori* by Bismuth  
**Xinming Yang, Yuen-Yan Chang, Hongyan Li, Hongzhe Sun**
- PR254 Small Fluorescent Probes for Tracking Endogenous Metal-Binding Proteins in Living Cells  
**Ya Yang, Yau-Tsz Lai, Ligang Hu, Yuen-Yan Chang, Ailun Chao, Hongzhe Sun**
- PR255 Synthetic Studies of Functional Pyrrolopyrrole Aza Boron Dipyrromethenes  
**Yimin Zhou, Dennis K P Ng**