會議名稱：第六屆國際華人無機及第九屆國際華人有機會議

會議日期：2006 年 12 月 18 日至 20 日

會議地點：新加坡 Grand Copthorne Waterfront Hotel

會議參予過程及心得：

此次會議乃第六屆國際華人無機會議以及第九屆國際華人有機會議同時進行，這是一個集合在世界各地華人一同了解分享化學科學的發展的重要會議。而此次共有三百多位華人化學家參予，可說是一個大型的化學會議。整體來說，研究取向大部分偏向材料化學與奈米孔洞材料化學，而相對的在生物有機及生物無機或傳統有機合成方面明顯的減少非常多，而比較新穎的研究方向為Catalomics，這是繼 genomics 及 protenomics 後較為化學家所重視的一個次領域研究。

而除了華人以外，也有邀請許多知名的國外教授，如來自荷蘭的Jan Reedijk教授，日本的Kazuyuki Tatsumi教授，德國的Ekkehardt Hahn等等。在演講內容中，有機金屬、固態化學、生物無機、超分子化學等等都有概括到，可說是獲益良多。

而印象最深的演講便是第一天Plenary 2的Jan Reedijk教授的演講，演講題目為METAL-DNA INTERACTIONS RELATED TO ANTICANCER CHEMISTRY，內容主要介紹能與DNA鍵結的無機化合物。如今能達到此種作用的無機化合物主要有兩類：

一種是有名的cis-Platin，中心金屬為Pt；另一種則是中心金屬為Ru的無機化合物。此兩種無機化合物都可以使雙股螺旋的DNA分開成單股而達到細胞死亡的效果，而cis-Platin更是已經被廣泛的使用在癌症的化療上。在其演講中，他先概略的介紹了如何去選擇金屬達到鍵結DNA，接著金屬將如何的與DNA的鹼基對鍵結。第一要素是要有無氫鍵作用的sp2的氮，故只有guanine；第二要素則是要無立體障礙，因此此二種鹼基對都會以七號位置的氮對金屬作配位。

另外在第三天Invited 5G的這個section中，同樣的其主要為從事生物無機

方面研究的教授們所給予的演講，獲益良多。從第一位Michael Chan教授，從他的演講中對CODH這個酵素有了基本的認識，CODH主要是能夠將CO與水反應生成二氧化碳，他從新得到的晶體結構，與過去不同工作團隊所得到的結果去做比較，進而推出催化的反應途徑。第二位的Heinrich Vahrenkamp教授介紹了生物體為何利用Zn這個金屬，從化學上的觀念去做解釋。並且研究配位數的不同對Zn-OH_2(OH)此種化合物pKa的影響進而推論其OH作為親核攻擊基的可能，去模擬生物體內反應的現象。第三位Kazuyuki Tatsumi教授介紹了Hydrogenase這個酵素，此酵素可將氫氣轉為質子或可逆的將質子轉為氫氣，此對能源便是相當重要的研究。在他的演講中，主要是報告他在Ni-Fe此種類型的Hydrogenase模型化合物的合成，已經達到於酵素相當類似的環境。在最後一位Yi Lu教授，其主要是將過去具催化活性的金屬化合物，置入Protein中，期望達到綠色化學的效用甚至進而使催化效率變高、使催化反應具有選擇性，真令人大開眼界。

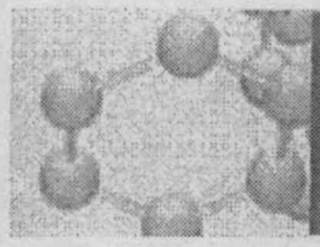
除了聽許多教授的演講以外，此會議有一特別的section稱之為Young Researchers' Forum，主要是年輕的研究學生給予一個十五分鐘的演講，並且與聽眾交換意見。將自己的研究成果做了整理，並且給予年輕的研究學生作了英文報告的練習，再次充實年輕的研究學生的專業知識。而在報告過程中，是在一間容納五十人左右的演講廳，為年輕的研究學生添加了一個在國際會議場合報告的經驗，實屬難得。而在報告完之後的即席問答中，更是一個難得的經驗，能有進一步的討論，年輕的研究學生獲益良多。

雖然此次會議只有三天，但在這之中又得到許多新的資訊而了解無機化學的進展，且體認到在世界上是有許多華人同時在做研究的，能夠同時招集到如此多的華人一同進行此研討會，而本身又能參與此盛會，可說從中獲得許多成長。

17 - 20 December 2006
Grand Copthorne Waterfront Hotel, Singapore

9th International Symposium by Chinese Organic Chemists (ISCOC-9)

6th International Symposium by Chinese Inorganic Chemists (ISCIC-6)

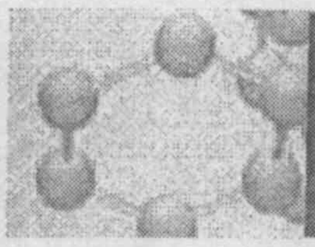


PROGRAM
18 DECEMBER 2006

Time	ISCOC				ISCIC		
8:00-8:30	**Registration**						
8:30-9:00	**Opening Ceremony** (*Venue: GRAND BALLROOM 1*)						
9:00-9:45	**Signature Lecture 1** (*Venue: GRAND BALLROOM 1*) Sunney I. CHAN **HARNESSING A SINGLET OXENE FOR THE CONTROLLED OXIDATION OF ALKANES: A CATALYST FOR THE FACILE CONVERSION OF METHANE TO METHANOL UNDER AMBIENT CONDITIONS**						
9:45-10:10	**Reception**						
10:10-10:40	**Plenary 1** (*Venue: GRAND BALLROOM 1*) Guoqiang LIN **RECENT DEVELOPMENTS ON THE ENANTIOSELECTIVE SYNTHESIS MEDIATED BY SmI_2 AND OTHERS**				**Plenary 1** (*Venue: GRAND BALLROOM 2*) Vivian W.W. YAM **LUMINESCENT METAL-BASED MOLECULAR MATERIALS - FROM DESIGN TO ASSEMBLY AND FUNCTIONS**		
10:40-11:10	**Plenary 2** (*Venue: GRAND BALLROOM 1*) Hung-Wen LIU **MECHANISTIC STUDIES OF UNUSUAL C-O BOND FORMATION IN FOSFOMYCIN BIOSYNTHESIS**				**Plenary 2** (*Venue: GRAND BALLROOM 2*) Jan REEDIJK **METAL-DNA INTERACTIONS RELATED TO ANTICANCER CHEMISTRY**		
11:10-11:30	**Invited 1A** *(Venue: GRAND BALLROOM 1)* Chien_Hong CHENG **COUPLING REACTIONS CATALYZED BY NICKEL AND PALLADIUM COMPLEXES**	**Invited 1B** *(Venue: GALLERIA I)* Nein-chen CHANG **A CONVENIENT AND VERSATILE APPROACH TO POLYSUBSTITUTED 2-PYRIDONES ITS APPLICATION TO THE SYNTHESIS OF POLYCYCLIC ALKALOIDS**	**Invited 1C** *(Venue: GALLERIA II)* Richard P HSUNG **TOTAL SYNTHESES OF CYLINDRICINES, LEPADIFORMINE, AND AZA-PHENYLENE ALKALOIDS**	**Invited 1D** *(Venue: GALLERIA III)* Pui Kwan WONG **THERMALLY REVERSIBLE NETWORK POLYMERS DERIVED FROM ALIPHATIC POLYKETONES**	Goh Lai Yoong Commemorative Symposium 1 *(Venue: GRAND BALLROOM 2)* Thomas C. W. MAK **SUPRAMOLECULAR ASSEMBLY WITH POSITIONAL ISOMERS OF DIPYRIDINYLMETHANONE**	**Invited 1E** *(Venue: CARDINAL)* Dejian HUANG **METAL COMPLEXES WITH NATURALLY OCCURRING POLYPHENOLIC COMPOUNDS, ANY POTENTIAL AS CATALYSTS?**	**Invited 1F** *(Venue: SWALLOW)* Wai-Yeung WONG **RECENT DEVELOPMENTS IN TRANSITION METAL POLYYNE POLYMERS**
11:30-11:50	Xiaoming FENG **CATALYTIC ASYMMETRIC CYANATION OF ALDEHYDES AND KETONES**	Wei-Ping DENG **NEW CHEMISTRY BASED ON CLASSICAL BECKMANN REARRANGE-MENT**	David CHEN **ADVENTURES IN MACROCYCLIC BIOACTIVE NATURAL PRODUCT SYNTHESIS**	Ken-Tsung WONG **SYNTHESES AND PHYSICAL PROPERTIES OF NOVEL COPLANAR CHROMOPHORES**	Ekkehardt HAHN **COMPLEXES WITH CYCLIC TETRACARBENE LIGANDS**	Lan-Chang LIANG **SMALL MOLECULE ACTIVATION BY AMIDO PHOSPHINE COMPLEXES**	Zhiping ZHENG **LANTHANIDE-CONTAINING MATERIALS FOR OPTICAL APPLICATIONS**

Time	ISCOC				ISCIC		
11:50-12:10	Tamejiro HIYAMA CARBOCYANATION OF UNSATURATED CARBON–CARBON BONDS	Dewen DONG DOUBLE [5+1] ANNULATIONS: A FACILE AND EFFICIENT SYNTHETIC STRATEGY FOR FUNCTIONAL-IZED HETEROCYCLES	Chuo CHEN SYNTHESIS OF OROIDIN NATURAL PRODUCTS	Yunqi LIU SYNTHESIS OF NOVEL ORGANIC SEMICONDUCTORS FOR FIELD-EFFECT TRANSISTORS	Len F LINDOY NEW DISCRETE AND FRAMEWORK METALLO-STRUCTURES: RINGS, CHAINS, HELICATES AND TETRAHEDRA	Yaw-Kai YAN RHENIUM(I) CARBONYL COMPLEXES OF FUNCTIONALIZED PHOSPHINES AS POTENTIAL ANTI-CANCER AGENTS	Weisheng LIU DESIGN AND ASSEMBLY FOR LUMINESCENT SUPRAMOLECULAR LANTHANIDE COMPLEXES
12:10-13:30	Lunch (*Venue: WATERFRONT BALLROOM*)						
13:30-14:15	Signature Lecture 2 (*Venue: GRAND BALLROOM 1*) Guo-Xin JIN METAL-METAL FORMATION SUPPORTED BY 1,2-DICHALCOGENOLATO CARBORANES						
14:20-14:50	Plenary 3 (*Venue: GRAND BALLROOM 1*) Teck-Peng LOH IN SEARCH OF NEW METHODS AND CONCEPTS FROM THE TOTAL SYNTHESIS OF NATURAL PRODUCTS				Plenary 3 (*Venue: GRAND BALLROOM 2*) Dongyuan ZHAO SYNTHESIS OF ORDERED MESOPOROUS POLYMERS AND HOMOLOGOUS CARBON FRAMEWORKS		
14:50-15:20	Plenary 4 (*Venue: GRAND BALLROOM 1*) Zhen YANG EXPLORING AN EXPEDIENT IMDA REACTION APPROACH TO SYNTHESIZE GUNACATEPENES				Plenary 4 (*Venue: GRAND BALLROOM 2*) Sue-Lein WANG SYNTHESES, STRUCTURES AND LUMINESCENCE PROPERTIES OF ORGANICALLY TEMPLATED METAL PHOSPHATES		
15:20-15:40	Tea-break						
15:40-16:00	Invited 2A *(Venue: GRAND BALLROOM 1)* Yong-Gui ZHOU BIFUNCTIONAL AgOAc CATALYZED ASYMMETRIC REACTIONS	Invited 2B *(Venue: GALLERIA I)* Chien-Tien CHEN NEW DIMENSIONS OF VANADYL AND OXOMETALLIC SPECIES IN AEROBIC ASYMMETRIC CATALYSIS	Invited 2C *(Venue: GALLERIA II)* Wei-Min DAI A RCM STRATEGY FOR SYNTHESIS OF THE TETRAENE CORE OF THE PLECOMACROLIDES	Invited 2D *(Venue: GALLERIA III)* Ping LU SYNTHESIS AND APPLICATION OF NEW FLUOROPHORES WITHY NON-BENZENOID STRUCTURES	Goh Lai Yoong Commemorative Symposium 2 *(Venue: GRAND BALLROOM 2)* Wen-Feng LIAW STUDY OF DINITROSYL IRON COMPLEXES (DNICs)	Invited 2E *(Venue:CARDINAL)* Kuan-Jiuh LIN ASSEMBLIES OF BLUE-EMITTING CdSe NANOCRYSTALS IN REDOX COPPER PHENANTHROLINE-BASED POLYMERIC CHAINS	Invited 2F *(Venue: SWALLOW)* Michael H. HUANG SHAPE-CONTROLLED SYNTHESIS OF GOLD NANOSTRUCTURES IN AQUEOUS SOULITON

Time	ISCOC				ISCIC		
16:00-16:20	Ming-Jung WU PALLADIUM AND COPPER CATALYZED CYCLIZATION OF ENEDIYNES AND RELATED MOLECULES	Masahisa NAKADA ASYMMETRIC TOTAL SYNTHESIS OF BIOACTIVE POLYCYCLIC NATURAL PRODUCTS	Pauline CHIU SYNTHESIS OF OXAPOLYCYCLIC FRAMEWORKS VIA [4+3] CYCLO-ADDITIONS OF EPOXY ENOL SILANES	Wing-Hong CHAN DESIGN AND DEVELOPMENT OF OPTICAL CHEMOSENSORS	Richard K. S. SHIN HEXAMETHYLBENZENE RUTHENIUM(II) VERSUS PENTAMETHYLCYCLOPENTADIENYL RUTHENIUM(III) IN THIOETHER-THIOLATE AND ALLIED COMPLEXES	Maochun HONG MOLECULAR SELF-ASSEMBLY THROUGH COORDINATION: FROM SMALL MOLECULE TO METAL-ORGANIC EXTENDED ARCHITECTURES	Jun-feng BAI FROM MOLECULAR CLUSTERS TO NANOMATERIALS
16:20-16:40	Zhangjie SHI HIGHLY SELECTIVELY HALOGENATION OF ACETANILIDE VIA TRANSITION METAL CATALYZATION	Zhi-Xiang YU JOINING FORCES OF COMPUTATION AND ORGANIC SYNTHESIS TO DISCOVER NEW CHEMISTRY: THEORETICAL AND EXPERIMENTAL STUDIES OF THE MECHANISMS OF HERNDON'S [8+2] AND LU'S (3+2) CYCLOADDITIONS	Weidong LI NOVEL TOTAL SYNTHESIS OF CEPHALOTAXINE	Tahsin J. CHOW PHOTOPHYSICAL PROPERTIES OF ORGANIC ROD-SHAPED DIPOLAR MOLECULES	Sanshiro KOMIYA AQUEOUS ORGANOMETALLIC CHEMISTRY OF PALLADIUM< PLATINUM AND GOLD COMPLEXES	Chun-Hua YAN SYNTHESIS AND PROPERTIES OF RARE EARTH NANOCRYSTALS	Zheng XU CONTROLLABLE PREPARATION AND ASSEMBLY OF NANOCRYSTALS AND THEIR PROPERTIES
16:40-17:00	Yixin LU HIGHLY ENANTIOSELECTIVE ORGANIC TRANSFROMATIONS PROMOTED BY HYDROPHOBIC ORGANOCATA-LYSTS IN WATER	Guor-Tzo WEI SEPARATIONS AND REACTIONS INVOLVING IONIC LIQUIDS	Margaret A. BRIMBLE SYNTHETIC STUDIES TOWARDS THE SPIROLIDES	Roger BISHOP DESIGNING ORGANIC INCLUSION CRYSTALS	John H. K. YIP ELECTRONIC SPECTROSCOPY AND PHOTOOXIDATION OF METALATED ALTERNANT HYDROCARBONS	Chih-Chieh WANG ASSEMBLY OF METAL-COORDINATION FRAMEWORK CONSTRUCTED BY OXOCARBON DIANION ($C_nO_n^{2-}$, n = 4, 5, 6) AND PYRIDYL-CONTAINING LIGANDS	Xiaogang LIU HIGHLY WETTABILITY-TUNABLE, SUPERABSORBENT NANOWIRE PAPER

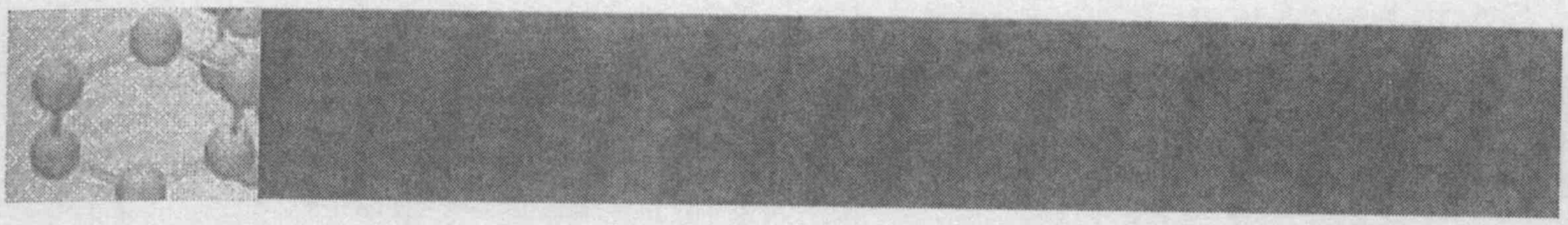


PROGRAM

19 DECEMBER 2006

Time	ISCOC	ISCIC
8:30-9:15	**Signature Lecture 3** (*Venue: GRAND BALLROOM 1)* Deng LI **DEVELOPMENT AND UNDERSTANDING OF NEW CATALYTIC ASYMMETRIC REACTIONS WITH ORGANIC CATALYSTS**	
9:20-9:50	**Plenary 5** (*Venue: GRAND BALLROOM 1)* Ei-Chi NEGISHI **ALKYNE AND ALKENE ADDITION–Pd- , Ni- , AND Cu-CATALYZED CROSS-COUPLING TANDEM PROCESS FOR EFFICIENT AND SELECTIVE SYNTHESES OF ALKENES AND CHIRAL ALKANES**	**Plenary 5** (*Venue: GRAND BALLROOM 2)* Jackie Y. YING **SUPRAMOLECULAR TEMPLATING OF NANOPOROUS CATALYSTS**
9:50-10:20	**Plenary 6** (*Venue: GRAND BALLROOM 1)* Shih-Hsiung WU **ISOLATION, IDENTIFICATION, SYNTHESIS AND BIOLOGICAL FUNCTIONS OF GLYCOLIPIDS AND PHOSPHOGLYCOLIPIDS FROM THERMOPHILIC BACTERIA**	**Plenary 6** (*Venue: GRAND BALLROOM 2)* Lemin LI **THE CHEMICAL BONDING IN LANTHANIDE-CONTAINING COMPOUNDS AND THE INFLUENCE OF RELATIVISTIC EFFECTS**
10:20-10:40	**Tea-break**	
10:40-11:00	**Young Researchers' Forum 1** *(Venue: GRAND BALLROOM 1)* Yuanyuan CHEN **THEORETICAL AND EXPERIMENTAL STUDY OF THE MECHANISMS OF HERNDON'S [8+2] CYCLOADDITIONS OF ISOBENZOFURANS AND DMAD**	**Young Researchers' Forum 2** *(Venue: GALLERIA I)* Ken Chi Lik LEE **SYNTHESIS AND SAR OF N-HYDROXY-1,2-DISUBSTITUTED-1H-BENZOIMIDAZOL-5-YL-ACRYLAMIDES AS A NOVEL CLASS OF HISTONE DEACETYLASE INHIBITORS** **Young Researchers' Forum 3** *(Venue: GALLERIA II)* Gayathri SUBRAMANYAM **A STRUCTURAL AND FUNCTIONAL INVESTIGATION OF THE FORMATION OF SKELETAL TISSUES IN SEASTAR (ECHINODERM, ASTEROID)** **Young Researchers' Forum 4** *(Venue: GALLERIA III)* Jin ZHAO **STUDY ON THE OXIDATION OF $Cp'Mo(Co)_3X$ COMPLEXES AND THE USE OF THEIR OXIDATION PRODUCTS AS OLEFIN EPOXIDATION CATALYSTS** **Young Researchers' Forum 5** *(Venue: GRAND BALLROOM 2)* David J. BRAY **TUNING AND FUNCTIONALISING GOLD NANOPARTICLE FILMS** **Young Researchers' Forum 6** *(Venue: CARDINAL)* Zhitao XIONG **HYDROGENATION OVER TERNARY NITRIDES — Li_3AlN_2 AND $CaMg_2N_2$** **Young Researchers' Forum 7** *(Venue: SWALLOW)* Ling-I HUNG **$Rb_6(InCo)_2(Si_5O_{16})$: A MIXED-METAL SILICATE CONTAINING 20-RING SILICATE SINGLE LAYERS WITH A VERY LOW Si:O RATIO**
11:00-11:20	Peter P F LEE **CYTOTOXIC TRANSITION-METAL SEMICARBAZONES OF SALICYLALDEHYDE**	Tsai-Te LU **MONONITROSYL TRIS(THIOLATE) IRON COMPLEX $[Fe(NO)(SPh)_3]^-$ AND DINITROSYL IRON COMPLEX $[(SEt)_2Fe(NO)_2]^-$: FORMATION PATHWAY OF DINITROSYL IRON COMPLEXES (DNICS) FROM NITROSYLTION OF BIOMIMETIC RUBREDOXIN $[Fe(Sr)_4]^{2-/1-}$ (R = Ph, Et)** Ye LIU **SIMPLE, EFFICIENT AND STABLE PALLADIUM CATALYST FOR HECK REACTION IN MULTI-FUNCTIONALIZED IONIC LIQUID** Xinming LI **SYNTHESIS OF CIRCULAR G-QUADRUPLEX TAGGED WITH FLUORESCEIN** Yanbing ZU **DETERMINATION OF CYSTEINE AND HOMOCYSTEINE USING FLUOROSURFACTANT-CAPPED GOLD NANOPARTICLES** Yongfeng LIU **STRUCTURAL CHARACTERIZATIONS AND HYDROGEN STORAGE PROPERTIES OF THE Mg-Ca-N-H MATERIALS** Xu SONG **NON-COVALENT INTERACTION OF FULLERENES WITH IR(TTP)ME: FROM HALF-SANDWICH TO FULL-SANDWICH**

Time	Young Researchers' Forum						
11:20-11:40	KWONG Fuk-Yee **SIMPLE AND HIGHLY EFFICIENT BENZAMIDE-DERIVED PHOSPHINE LIGANDS FOR CARBON-CARBON AND CARBON-NITROGEN BOND FORMATION REACTIONS**	Ming-Che TSAI **TRANSFORMATION AND STRUCTURAL DISCRIMINATION BETWEEN THE NEUTRAL $\{Fe(NO)_2\}^{10}$ DINITROSYL IRON COMPLEXES AND THE ANIONIC/CATIONIc $\{Fe(NO)_2\}^9$ DNICS**	Zhitao XIONG **HYDROGENATION OVER TERNARY NITRIDES — Li_3AlN_2 AND $CaMg_2N_2$**	Hua ZHANG **A NOVEL PROCESS FOR ACHIEVING SUPERHYDROPHOBICITY ON SURFACE**	Meng T. NG **GROUP 11, 12 AND 13 METAL SELENOCARBOXYLATES AS SINGLE-SOURCE PRECURSORS FOR METAL SELENIDES**	Xiu Lian LU **RECENT ADVANCES IN DPPF-CONTAINING (Cp/Cp*)Ru AND (Arene)Ru(II) COMPLEXES: STRUCTURE, REACTIVITY (2000 – 2005**	Soumyajit ROY **STRUCTURE FORMATION IN OXOMETALATES: SPONTANEOUS AND DIRECTED**
11:40-12:00					Junzhong WANG **SONOCHEMICAL PREPARATION OF MAGNETIC FePt CORE-SHELL NANOSTRUCTURES**	Man Kin TSE **ON THE DEVELOPMENT OF RUTHENIUM CATALYZED ASYMMETRIC EPOXIDATIONS: LIGAND LIBRARY SYNTHESIS AND MECHANISTIC STUDIES**	Peili TEO **MACROCYLIC AND POLYMERIC ASSEMBLIES FROM d^8 AND d^{10} METALS**
12:00-13:30	**Lunch** (*Venue: WATERFRONT BALLROOM*)						



PROGRAM
20 DECEMBER 2006

Time	ISCOC				ISCIC			
13:30-14:15	**Signature Lecture 4** (*Venue: GRAND BALLROOM 1*) Xiao-Zeng YOU **SINGLE-MOLECULE MAGNETS AND SINGLE-CHAIN MAGNETS OF COORDINATION COMPOUNDS**							
14:20-14:50	**Plenary 7** (*Venue: GRAND BALLROOM 1*) Henry N. C. WONG **THE CHEMISTRY OF HYDROXYTETRAPHENYLENES**				**Plenary 7** (*Venue: GRAND BALLROOM 2*) Tai-Chu LAU **REACTIVITY OF (SALEN)RUTHENIUM(VI) NITRIDO COMXYTETRAPHENYLENES**			
14:50-15:20	**Plenary 8** (*Venue: GRAND BALLROOM 1*) Mimi HII **CATALYTIC HETEROFUNCTIONALISATION OF CARBON-CARBON DOUBLE BONDS**				**Plenary 8** (*Venue: GRAND BALLROOM 2*) Jian-Ping LANG **NEW ROUTES TO RATIONAL DESIGN AND ASSEMBLY OF CLUSTER-BASED SUPRAMOLECULAR ARRAYS**			
15:20-15:40	**Tea-break**							
15:40-16:00	**Invited 4A** *(Venue: GRAND BALLROOM 1)* Keiji MAROUKA **PRACTICAL ASYMMETRIC SYNTHESIS WITH DESIGNER CHIRAL ORGANOCATA-LYSTS**	**Invited 4B** *(Venue: GALLERIA I)* Lee-Chiang LO **EXPLORING THE GLYCOSIDASES WITH MECHANISM-BASED PROBES**	**Invited 4C** *(Venue: GALLERIA II)* Christina CHAI **BIOACTIVE NATURAL AND UNNATURAL PRODUCTS**	**Invited 4D** *(Venue: GALLERIA III)* Ding-Yah YANG **SYNTHESIS OF 4-HYDROXYCOUM ARIN DERIVATIVES AND THEIR POTENTIAL APPLICATIONS**	**Invited 4E** *(Venue: GRAND BALLROOM 2)* Robert BAU **CAN HYDROGEN REALLY FORM 3, 4, 5 OR 6 BONDS?**	**Invited 4F** *(Venue: CARDNIAL)* Han Vinh HUYNH **UNUSUAL INTRAMOLECUL AR C-H···M AND $C_{Carbene}$···Br INTERACTIONS IN NHC-COMPLEXES AND THEIR CATALYTIC ACTIVITIES**	**Invited 4G** *(Venue: SWALLOW)* Cheng-Yong SU **RING-OPENING ISOMERIZATION OF DISCRETE CYCLIC COORDINATION ASSEMBLIES AND POLYMERIC STRUCTURES**	**Invited 4H** *(Venue: LYREBIRD)* Kwang-Hwa LII **SYNTHESIS, CRYSTAL STRUCTURES AND PROPERTIES OF METAL SILICATES**
16:00-16:20	Patrick H. TOY **ORGANOCATALY TIC MITSUNOBU REACTIONS**	Junqiu LIU **DESIGN AND DEVELOPMENT OF ARTIFICIAL ENZYMES WITH HIGH EFFICIENCY**	Wen-Shan LI **DESIGN, PREPARATION AND BIOLOGICAL EVALUATION OF NEW POTENT ANTINEOPLASTIC AGENTS, α(2,3)-SIALYLTRANSFE RASE INHIBITORS**	Bruce H.-H. YU **TOWARDS POLY(3,4-ETHYLENEDIOXY THIOPHENE) BIOSENORS**	Wai-Kwok Wong **DI-, TRI-, TETRA- AND HEXA-NUCLEAR 3d-4f HETEROMETALLI C SCHIFF BASE COMPLEXES: SYNTHESES, STRUCTURES AND PHOTOLUMINE-SCENCE**	Owen J CURNOW **SUBSTI-TUTED INDENYL FERROCENES**	Ming-Liang TONG **IN-SITU SYNTHESES OF NEW TETRATOPIC LIGANDS AND APPLICATION IN CONSTRUCTION OF FUNCTIONAL COORDINATION POLYMERS**	David G. EVANS **SYNTHESIS OF NOVEL FUNCTIONAL INORGANIC MATERIALS BY INTERCALATION IN LAYERED SOLIDS**

Time	ISCOC				ISCIC			
13:30-14:15	**Signature Lecture 4** (*Venue: GRAND BALLROOM 1)* Xiao-Zeng YOU **SINGLE-MOLECULE MAGNETS AND SINGLE-CHAIN MAGNETS OF COORDINATION COMPOUNDS**							
14:20-14:50	**Plenary 7** (*Venue: GRAND BALLROOM 1)* Henry N. C. WONG **THE CHEMISTRY OF HYDROXYTETRAPHENYLENES**				**Plenary 7** (*Venue: GRAND BALLROOM 2)* Tai-Chu LAU **REACTIVITY OF (SALEN)RUTHENIUM(VI) NITRIDO COMXYTETRAPHENYLENES**			
14:50-15:20	**Plenary 8** (*Venue: GRAND BALLROOM 1)* Mimi HII **CATALYTIC HETEROFUNCTIONALISATION OF CARBON-CARBON DOUBLE BONDS**				**Plenary 8** (*Venue: GRAND BALLROOM 2)* Jian-Ping LANG **NEW ROUTES TO RATIONAL DESIGN AND ASSEMBLY OF CLUSTER-BASED SUPRAMOLECULAR ARRAYS**			
15:20-15:40	**Tea-break**							
15:40-16:00	**Invited 4A** *(Venue: GRAND BALLROOM 1)* Keiji MAROUKA **PRACTICAL ASYMMETRIC SYNTHESIS WITH DESIGNER CHIRAL ORGANOCATA-LYSTS**	**Invited 4B** *(Venue: GALLERIA I)* Lee-Chiang LO **EXPLORING THE GLYCOSIDASES WITH MECHANISM-BASED PROBES**	**Invited 4C** *(Venue: GALLERIA II)* Christina CHAI **BIOACTIVE NATURAL AND UNNATURAL PRODUCTS**	**Invited 4D** *(Venue: GALLERIA III)* Ding-Yah YANG **SYNTHESIS OF 4-HYDROXYCOUM ARIN DERIVATIVES AND THEIR POTENTIAL APPLICATIONS**	**Invited 4E** *(Venue: GRAND BALLROOM 2)* Robert BAU **CAN HYDROGEN REALLY FORM 3, 4, 5 OR 6 BONDS?**	**Invited 4F** *(Venue: CARDNIAL)* Han Vinh HUYNH **UNUSUAL INTRAMOLECUL AR C-H···M AND $C_{Carbene}$···Br INTERACTIONS IN NHC-COMPLEXES AND THEIR CATALYTIC ACTIVITIES**	**Invited 4G** *(Venue: SWALLOW)* Cheng-Yong SU **RING-OPENING ISOMERIZATION OF DISCRETE CYCLIC COORDINATION ASSEMBLIES AND POLYMERIC STRUCTURES**	**Invited 4H** *(Venue: LYREBIRD)* Kwang-Hwa LII **SYNTHESIS, CRYSTAL STRUCTURES AND PROPERTIES OF METAL SILICATES**
16:00-16:20	Patrick H. TOY **ORGANOCATALY TIC MITSUNOBU REACTIONS**	Junqiu LIU **DESIGN AND DEVELOPMENT OF ARTIFICIAL ENZYMES WITH HIGH EFFICIENCY**	Wen-Shan LI **DESIGN, PREPARATION AND BIOLOGICAL EVALUATION OF NEW POTENT ANTINEOPLASTIC AGENTS, α(2,3)-SIALYLTRANSFE RASE INHIBITORS**	Bruce H.-H. YU **TOWARDS POLY(3,4-ETHYLENEDIOXY THIOPHENE) BIOSENORS**	Wai-Kwok Wong **DI-, TRI-, TETRA- AND HEXA-NUCLEAR 3d-4f HETEROMETALLI C SCHIFF BASE COMPLEXES: SYNTHESES, STRUCTURES AND PHOTOLUMINE-SCENCE**	Owen J CURNOW **SUBSTI-TUTED INDENYL FERROCENES**	Ming-Liang TONG **IN-SITU SYNTHESES OF NEW TETRATOPIC LIGANDS AND APPLICATION IN CONSTRUCTION OF FUNCTIONAL COORDINATION POLYMERS**	David G. EVANS **SYNTHESIS OF NOVEL FUNCTIONAL INORGANIC MATERIALS BY INTERCALATION IN LAYERED SOLIDS**

Time	ISCOC			ISCIC			
8:45-9:45	**Mr and Mrs Sun Chan Memorial Award Lecture** (*Venue: GRAND BALLROOM 1*) Shao Qin YAO **CATALOMICS - THE USE OF CHEMICAL BIOLOGY TOOLS FOR HIGH-THROUGHPUT STUDIES OF ENZYMES**						
9:45-10:30	**Pfizer Lecture** (*Venue: GRAND BALLROOM 1*) Chi-Ming CHE **REACTIVE RUTHENIUM-LIGAND MULTIPLE BONDED COMPLEXES FOR ATOM AND GROUP TRANSFER REACTIONS**						
10:30-10:50	**Tea-break**						
10:50-11:10	**Invited 5A** *(Venue: GRAND BALLROOM 1)* Yugen ZHANG **MESOPOROUS MATERIALS SUPPORTED HETEROGE-NEOUS ENANTIOSELECTIVE ORGANO CATALYSIS**	**Invited 5B** *(Venue: GALLERIA I)* Yee Hing LAI **HOMO-CONJUGATATION, TRANS ANNULAR π-π INTERACTION AND RING CURRENT MAPPING IN ANNULENES**	**Invited 5C** *(Venue: GALLERIA II)* George Peng WANG **CARBOHYDRATE-CONTINING SMALL MOLECULE ANTITUMOR DRUGS & NOVEL GLYCOSPHINGOLIPID ANTIGENS FOR NATURAL KILLER T CELLS**	**Invited 5D** *(Venue: GALLERIA III)* Dan LUO **NUCLEIC ACID ENGINEERING: USING DNA AS A TRUE POLYMER**	**Invited 5E** *(Venue: GRAND BALLROOM 2)* Jwu-Ting CHEN **DISCERNING REACTIVITY OF OLEFIN INSERTION BY GEOMETRICAL ISOMERS OF METHYLPALLADIUM COMPLEXES BEARING BIDENTATES WITH HETERO FUNCTIONALITIES**	**Invited 5F** *(Venue: CARDINAL)* Tsun-Kong SHAM **SYNCHROTRON LIGHT - A POWERFUL TOOL FOR CROSS-DISCIPLINARY RESEARCH**	**Invited 5G** *(Venue: SWALLOW)* Michael K. CHAN **ORGANOMETALLIC CHEMISTRY IN BIOLOGY: INSIGHTS FROM X-RAY CRYSTALLOGRAPHY**
11:10-11:30	Ling-Kang LIU **IONIC LIQUIDS AS CATALYST AND AS PROTECTING GROUP**	Yu-Tai TAO **MORPHOLOGY AND ORIENTATION CONTROL OF MOLECULAR FILMS FOR ORGANIC THIN FILM TRANSISTOR APPLICATIONS**	Hsing-Pang HSIEH **FROM BENCH TO DRUG CANDIDATE: 3-AROYLINDOLES AS ANTICANCER AGENTS - DESIGN, SYNTHESIS, IN VITRO, PHARMACOKINETIC, IN VIVO, AND PRECLINICAL STUDIES**	Xiandong SHI **SYNTHESIS OF NON-SUGAR BASED NUCLEOSIDE IN PRODUCING NOVEL NON-COVALENT MOLECULAR ARCHITECTURE TOWARD PROTEIN SURFACE RECOGNITION**	Philip J. BAILEY **ALKENE POLYMERISATION BY A ZWITTERIONIC PALLADIUM CATALYST**	Xutang TAO **RECENT DEVELOPMENT IN TWO-PHOTON ABSORPTION MATERIALS AND THEIR APPLICATIONS**	Heinrich VAHRENKAMP **WHY DOES NATURE USE ZINC ?** **SOME TENTATIVE ANSWERS**

Time	ISCOC				ISCIC		
11:30-11:50	Hsian-Rong TSENG MICROFLUIDIC DEVICES AS AN ENABLING TECHNOLOGY FOR SYNTHETIC CHEMISTRY	David YOUNG DEVELOPING NEW CHEMOTHERAPIES FOR LEISHMANIASIS	Mark BUTLER NATURAL PRODUCTS AND DRUG DISCOVERY: ANOTHER NEW DAWN?	Xi CHEN ENZYMES IN THE ORGANIC SYNTHESIS OF SIALOSIDES	Noritaka MIZUNO SELECTIVE OXIDATION WITH HYDROGEN PEROXIDE CATALYZED BY POLYOXOMETALATE	Peter HO CHEMISTRY INSIDE ORGANIC SEMICONDUCTING DEVICES	Kazuyuki TATSUMI DINUCLEAR $Fe(Co)_5$-Ni AND $Fe(Co)_2(CN)_2$-Ni COMPLEXES MODELLING THE ACTIVE SITE OF [Ni-Fe] HYDROGENASE
11:50-12:10	Haoyu SHEN SELECTIVE AEROBIC OXIDATION OF ALCOHOLS: FROM HOMOGENEOUS TO HETEROGENEOUS; FROM TRADITIONAL TO MODERN REACTION CONDITIONS	Matthew TODD AZAMACROCYCLE COMPLEXES FOR BIOMEDICAL APPLICATIONS	Yaseen A. AL_SOUD SYNTHESIS, ANTICANCER AND ANTI-HIV EVALUATION OF NEW COUMARINE DERIVATIVES BEARING 1,5-DIALKYL 1H-1,2,4-TRIAZOLES	Zhiyong WANG ORGANIC REACTIONS IN AQUEOUS MEDIATED BY NANO-METAL	Minghuey SHIEH CHROMIUM CARBONYL COMPLEXES INCORPORATED WITH MAIN GROUP ELEMENTS	Bengang XING REAL TIME INVESTIGATION OF THE BIOMOLECULES BY USING FLUORESCENT IMAGING	Steve S.-F. YU PROBING THE ACTIVE SITES OF MEMBRANE-BOUND ALKANE HYDROXYLASES
12:10-12:30		Yi-Yan Yang CATIONIC AND BIODEGRADABLE POLYMER MICELLES FOR CO-DELIVERY OF ANTICANCER DRUGS AND NUCLEIC ACIDS	Yongping YU COMBINATORIAL CHEMISTRY: TOOLS FOR BASIC RESEARCH AND DRUG DISCOVERY		Siang Guan TEOH HMQC METHOD IN THE UNAMBIGUOUS ASSIGNMENT OF THE ^{13}C PEAKS AND THE ELECTRONIC EFFECTS OF SUBSTITUENTS ON THE ^{119}Sn NMR CHEMICAL SHIFTS WITH REFERENCE TO MONOSUBSTITUTED DIORGANOTINS	Liming YING SINGLE MOLECULE FLUORESCENCE SPECTROSCOPY AND ITS APPLICATIONS IN BIOCHEMISTRY, BIOPHYSICS AND BIOTECHNOLOGY	Yi Lu BIOSYNTHETIC INORGANIC CHEMISTRY: NOVEL BIOINORGANIC AND BIOORGANOMETALLIC COMPLEXES FOR ASYMMETRIC CATALYSIS
12:30-14:00	**Lunch** (*Venue: WATERFRONT BALLROOM*)						
14:00-17:30	**Poster Session** (*Venue: FOYER OUTSIDE GRAND BALLROOM*)						
18:00-19:00	**Cocktail** (*Venue: GRAND BALLROOM*)						
19:00-22:30	**Symposia Banquet Cum Prize Presentation and Closing Ceremony** (*Venue: GRAND BALLROOM*)						