

PROGRAM OF

8TH INTERNATIONAL SYMPOSIUM ON GREEN CHEMISTRY IN CHINA (8TH ISGCC'2007)

**Jiuhua, Beijing, P. R. China
May 21–24, 2007**

Organized by Beijing University of Technology (BJUT, China)

Co-organized by

Institute of Chemistry, Chinese Academy of Sciences (CAS, China)

Institute of Process Engineering, Chinese Academy of Sciences (CAS, China)

Yale Center for Green Chemistry and Green Engineering (Yale University, USA)

Sponsored by

The National Natural Science Foundation of China, P. R. China

Beijing Municipal Education Commission, P. R. China

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Beijing Hongcam Software Technologies Co., Ltd. P. R. China

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Prof. Chao-Jun Li (McGill)

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Part 1: Attendance Guides

1. Please wear your attendance pass during the conference. The attendance pass, as the only valid certificate for the access to relevant activities, should be kept in care. In case of lost, please contact to the Secretariat promptly.
2. Once enter the conference hall, please make sure your mobile communication devices are switched off.
3. The accommodation and meals for participants are arranged by the conference. However, participants should pay the hotel for accommodation.
4. During the conference, meals are available with couples distributed beforehand. If participants have any special request for the meal, please contact the Secretariat in advance.
5. After checking in the hotel, please read the Guest Information carefully so as to avoid any unnecessary discrepancy.
6. Long-distance call is accessible in the hotel rooms. Relevant fee will be charged to the hotel room to be paid by guests.
7. Any other expenses occurred in the hotel should be settled when checking out.

Contact Information (Tel. No. and Room No.)

Names	Positions	Mobile	Room No.
Yuanbin SHE	Executive Chairman of Organizing Committee	13910775763	
Hongxing DAI	Secretary-general. Traffic arrangement	13521677890	
Yanmin YU	Secretary. Registration and Fees	13699230356	
Mei LU	Public Relation Receptionist	13501083780	
Rui WANG	Public Relations Receptionists	13701253400	
Lianshun FENG	Airport Receptionist	13426037252	
Aixin WANG	Airport Receptionist	13811451503	
Teng LU	Airport Receptionist	13141334286	

Part 2: Arrival and Departure Time Confirmation:

All the attendees should inform the Secretariat of their arrival and departure time by email so that we can make arrangements for you in advance.

Part 3: Meals:

All the attendees have self-assisted breakfast, lunch, and supper in the Xiang Yue Yuan Restaurant located on the first floor of the 10th District Convention Center at Jiu Hua Spa & Resort Hotel. There will be a Symposium Banquet on May 23 for catering purposes at Dalian Seafood Restaurant near the 10th District Convention Center. If you have special dietary (e.g. Muslim food) habits, please inform the symposium secretariat in advance so that we can make arrangements for you.

Date	Time	Place	Type
May 21	18:00-19:00	Xiang Yue Yuan Restaurant (1 st Floor)	Chinese buffet
May 22	6:30-8:00	Xiang Yue Yuan Restaurant (1 st Floor)	Chinese breakfast
May 22	12:00-13:00	Xiang Yue Yuan Restaurant (1 st Floor)	Chinese and western buffet

May 22	18:00-19:00	Xiang Yue Yuan Restaurant (1 st Floor)	Chinese and western buffet
May 23	7:00-8:00	Xiang Yue Yuan Restaurant (1 st Floor)	Chinese buffet breakfast
May 23	11:30-12:30	Xiang Yue Yuan Restaurant (1 st Floor)	Chinese and western buffet
May 23	18:30-19:30	Dalian Seafood Restaurant (2 nd Floor)	Evening Banquet
May 24	7:00-8:00	Xiang Yue Yuan Restaurant (1 st Floor)	Chinese buffet breakfast

Part 4: Excursion and Sightseeing

If you want to visit Ju Yong Guan of the Great Wall, Olympic Park or Beijing University of Technology, please return it by email to the Secretariat (email: greenchem@bjut.edu.cn) no later than May 15, 2007. The excursion has been arranged on May 24, 2007.

Part 5: Return Tickets

Return train and plane tickets booking is available now. Please fill the return Ticket Booking Form in the third Circular and return it to the Secretariat (greenchem@bjut.edu.cn) by E-mail before 18 May, 2007.

Part 6: Taking Group Photos:

The time for taking group photos is at 11:30 a.m on May 22 in the 9th Meeting room of the 10th District Convention Center (1st Floor) . All participants are advised to assemble at 9th Meeting room on time. Photos will be ready in the afternoon of May 23 at the secretariat.

Part 7: Plenary Lectures

Prof. Jeffrey I. Steinfeld (MIT, USA)
 Prof. Barry M. Trost (Stanford University, USA)
 Prof. Chao-Jun Li (McGill University, CANADA)
 Prof. Paul T. Anastas (Yale University, USA)
 Prof. Walter Leitner (RWTH Aachen, GERMANY)
 Prof. Kyoko Nozaki (Tokyo University, JAPAN)
 Prof. Qingshi Zhu (University of Science and Technology China, CHINA)
 Prof. Shengming Ma (Shanghai Institute of Organic Chemistry, CAS, CHINA)
 Prof. Yuan Kou (Peking University, CHINA)
 Prof. Buxing Han (Institute of Chemistry, CAS, CHINA)
 Prof. Changwei Hu (Sichuan University, CHINA)
 Prof. Suojiang Zhang (Institute of Process Engineering, CAS, CHINA)
 Prof. Yuanbin She (Beijing University of Technology, CHINA)

Part 8: Keynotes

Prof. Huey-Min Hwang (Jackson State University, USA)
 Dr. Junhua (Alex) Tao (BioVerdant, USA)
 Prof. Qingxiang Guo (University of Science and Technology China, CHINA)
 Prof. Hongbing Ji (South China University of Technology, CHINA)

Part 9: 52 Oral Presentations

Part 10: 121 Poster Presentations

All the posters should be made with the width and length less than 85 and 120 cm, respectively. For those participants who have brought along posters, please submit the posters to the Secretariat before 18:00 May 21. Posters will be displayed at Hall from 19:00 to 22:00 on May 22.

Part 11: Symposium Schedule

May 21, 2007

Registration and Fee Payment from 8:00 to 22:00

All the attendees (except a few important guests apprized) should register in the Hall of the 10th District Convention Center at Jiuhoa Spa & Resort Hotel. The registration time is from 8:00 to 22:00 of May 21, 2007. Registration fees should be paid only by cash. Payment by credit cards or cheque will NOT be accepted. Student attendees should bring their student ID Cards with them for applying for registration fees discount.

May 22, 2007

Opening Ceremony, Plenary Lectures as well as Keynotes and Oral presentations

6:30-8:00: Breakfast; Place: Xiang Yue Yuan Restaurant (1st Floor)

8:00-12:00: Opening Ceremony, Plenary Lectures and Taking the Group Photo Place: the 9th Meeting room of the 10th District Convention Center (1st Floor)

12:00-13:00: Lunch; place: Xiang Yue Yuan Restaurant (1st Floor).

13:30-17:30: Keynotes and Oral presentations in two branch meeting from in the afternoon. Place: the 21st and 22nd Meeting rooms of the 10th District Convention Center (2nd Floor)

18:00-19:00: Supper; Place: Xiang Yue Yuan Restaurant (1st Floor).

19:00-22:00: Poster presentation; Place: the 21st of the 10th District Convention Center (2nd Floor)

19:00-22:00: Specialized Lecture by Ms Mingnan Li, Beijing Hongcam Software Technologies Co., Ltd.; Title: Application of Molecular model technology in Green Chemistry; Place: the 22nd Meeting room of the 10th District Convention Center (2nd Floor)

May 23, 2007

Keynotes and Oral presentations as well as Plenary Lectures and Closing Ceremony and Symposium Banquet

6:30-8:00: Breakfast; Place: Xiang Yue Yuan Restaurant (1st Floor).

8:00-12:00: Keynotes and Oral presentations in two branch meetings; Place: the 21st and 22nd Meeting Rooms of the 10th District Convention Center (2nd Floor).

12:00-13:00: Lunch; place: Xiang Yue Yuan Restaurant (1st Floor)

13:30-17:20: Plenary Lectures and Taking the Group Photo from. Place: the 9th Meeting Room of the 10th District Convention Center (2nd Floor)

17:30-20:30: Closing Ceremony and Symposium Banquet; Place: Dalian Seafood Restaurant nears the 10th District Convention Center.

May 24, 2007

Excursion and/or leaving the Symposium for home.

6:30-8:00: Breakfast; Place: Xiang Yue Yuan Restaurant (1st Floor).

8:00-11:30: To visit Ju Yong Guan of the Great Wall, Olympic Park or Beijing University of Technology, please fill in the attached form and return it by email to the Secretariat (email: greenchem@bjut.edu.cn) no later than May 15, 2007.

After 11:30am: Leaving the symposium for home or other places.

The Symposium Schedule of Presentations

8:00-8:40: Opening Ceremony Place: the 9th Meeting room of the 10th District Convention Center (1st Floor)		
Chair: Prof. Yuanbin SHE		
<ol style="list-style-type: none"> 1. Announcement on the Opening of Ceremony & Introduction of Distinguished Guests. 2. Opening and welcome speech by Professor Ze ZHANG, Chairman of the Organization Committee. 3. Speech by Prof. Enze MIN, Honor Chairman of the Academic Committee. 4. Speech by Prof. Qingshi ZHU, Chairman of the Academic Committee. 5. Speech by Prof. Barry M. TROST 6. Speech by Prof. Jeffrey I. STEINFELD 7. Speech by Prof. Paul T. ANASTAS 8. Speech by Prof. Kyoko NOZAKI 9. End of the opening ceremony 		
Plenary Lectures (30min for every speaker to present and answer 1-2 Questions)		
Chair: Prof. Chaojun Li, Prof. Yuan Kou		
Time	Speakers	Titles
8:40-9:10	Prof. Paul T. Anastas	Green Chemistry: From Here to Sustainability (No.O-04)
9:10-9:40	Prof. Qingshi Zhu	Current Studies of Biomass Clean Energy at USTC (No.O-07)
9:40-10:00 Coffee Break		
Plenary Lectures (30min for every speaker to present and answer 1-2 Questions)		
Chair: Prof. Shengming Ma, Prof. Walther Leitner		
10:00-10:30	Prof. Barry M. Trost	On Inventing New Reactions For Atom Economy (No.O-01)
10:30-11:00	Prof. Jeffrey I. Steinfeld	Toxic Use Reduction in Academic Laboratories at M.I.T. (No.O-02)
11:00-11:30	Prof. Kyoko Nozaki	New Catalysts for Alternating Copolymerization of Epoxide and CO ₂ (No.O-05)
11:30-12:00	Taking a group photo	
Lunch: 12:00-13:00; Place: Xiang Yue Yuan Restaurant (1st Floor)		

Keynotes and Oral Presentations: the afternoon of May 22, 2007**Session 1 from 13:30 to 17:15; Place: the 21st Meeting room of the 10th District Convention Center (2nd Floor)**

Chair: Prof. Kyoko Nozaki, Prof. Suojiang Zhang		
Time	Speakers	Titles
13:30-13:50	Huey-Min Hwang	Keynote: Riboflavin-Enhancement of Photo-transformation of Selected Organic Contaminants in Aqueous Solutions (No.O-14)
13:51-14:06	Kyung-Hoon Kim	Microwave Assisted Synthesis of Dimethyl Carbonate by Transesterification of Propylene Carbonate with methanol Using Ionic Liquid Catalysts (No.O-18)
14:07-14:22	Yinjuan Bai	Synthesis of 4-Arylideneamino-4H-1, 2, 4-triazoles under Microwave Irradiation (No.O-22)
14:23-14:38	Yongmei Cui	Preparation of p-Aminophenol by Rearrangement of Phenylhydroxylamine in the Brønsted Acidic Ionic Liquids (No.O-26)
14:39-14:54	Xiuyan Li	A New Approach for the Synthesis of meso-tetraphenylporphyrin (No.O-38)
14:55-15:10	Ying Li	Synthesis and Properties of Polyfluorene Copolymers Bearing Thiophene and Porphyrin (No.O-39)
15:11-15:26	Shaohua Lin	Study on Water Disinfection by Solar Photocatalysis with Immobilized Catalyst(No.O-42)
15:26-15:40 Coffee Break		
Chair: Prof. Paul T. Anastas, Prof. Hongbing Ji		
15:40-15:55	Chaorong Qi	Polystyrene-supported Amino Acids: Heterogeneous Catalysts for the Coupling of Carbon Dioxide with Epoxides to Give Cyclic Carbonates (No.O-46)
15:56-16:11	Hui Wang	Highly Stable Solid Base Catalysts for the Synthesis of Dimethyl Carbonate via Transesterification(No.O-50)
16:12-16:27	Zhichen Zhu	Phenol Biodegradation by a Novel Strain of Brachybacterium Rhamnosum (No.O-54)
16:28-16:43	Wenlin Xu	Effects of Ultrasound on Anodic Oxidation of Iron to Ferrate in Concentrated Alkaline Solutions (No.O-58)
16:44-16:59	Chengchu Zeng	Electrochemical Synthesis of Caffeic Acid in Aqueous Medium (No.O-62)
17:00-17:15		

Session 2 from 13:30 to 15:47; Place: the 22nd Meeting room of the 10th District Convention Center (2nd Floor)

Chair: Prof. Changwei Hu, Prof. Guanwu Wang		
Time	Speakers	Titles
13:30-13:50	Dr. Junhua Tao	Keynote: Recent Advances in Biocatalysis for the Development of Green Chemistry (No.O-15)
13:51-14:06	Mohammed Hashmat Ali	Use of a Fluorous Phase Screen in Electrophilic Aromatic Bromination and Oxidation of Sulfides with Molecular Bromine (No.O-19)
14:07-14:22	Linnan Zhang	Treatment and Reuse Technology for Printing Circuit Board Sewage (No.O-66)
14:23-14:38	Cunye Duan	Epoxidation of Terminal Olefins Catalyzed by Metalloporphyrins in the Presence of Molecular Oxygen (No.O-27)
14:39-14:54	Xiaoya Guo	Study on Operational Condition and Catalyst Type of Bio-oil Upgrading (No.O-31)
14:55-15:10	Chun Cai	An Efficient Henry Reaction Catalyzed by Iodine in presence of K ₂ CO ₃ at Room Temperature (No.O-23)
15:11-15:26	Xiantai Zhou	Selective Oxidation of Sulfides to Sulfoxides Catalyzed by Ruthenium (III) meso-Tetraphenylporphyrin Chloride in the Presence of Molecular Oxygen (No.O-36)
15:26-15:40 Coffee Break		
Chair: Prof. Walter Leitner, Prof. Qingxiang Guo		
15:40-15:55	Zhimin Liu	Coating Carbon Nanotubes with Metal Oxides in Supercritical Carbon Dioxide-Ethanol Solution (No.O-43)
15:56-16:11	Xiaolei Sun	Preparation, Characterization and Application of a New Catalyst For Clean Synthesis of ADC (No.O-47)
16:12-16:27	Jingchang Wang	Reaction Dynamic Analysis and Experimental Study of Phenol Destruction by Supercritical Water Oxidation (No.O-51)
16:28-16:43	Gang Wu	Mild Temperature Direct Oxidation of Benzene to Phenol Using Hydrogen Peroxide on Nano—sized NiO Catalyst (No.O-55)
16:44-16:59	Lifeng Yan	The Structure Change of Cellulose Aggregates in the Dissolution Process by the NaOH/Thiourea Aqueous Solution (No.O-59)
17:00-17:15	Hongyan Zhang	Atom Transfer Radical Polymerization Kinetics of Methyl Methacrylate in Ionic Liquids (No.O-63)
17:16-17:31		

Keynotes and Oral Presentations: the morning of May 23, 2007**Session 1 from 8:00 to 12:00; Place: the 21st Meeting room of the 10th District Convention Center (2nd Floor)**

Chair: Prof. Shengming Ma, Prof. Yuan Kou (Prof. Haichao Liu)		
Time	Speakers	Titles
8:00-8:20	Prof. Qingxiang Guo	Keynote: Theoretical and Experimental Studies on the Green Organic Synthetic Reactions (No.O-16)
8:21-8:36	Kira JM Matus	Exploring the Barriers to the Implementation of Green Chemistry in the United States(No.O-20)
8:37-8:52	Jinyang Chen	In Situ Study on Organic Matter in High Pressure and Temperature Water (No.O-24)
8:53-9:08	Er Wang	One-pot Route to Dimethyl Carbonate from CO ₂ , Epoxides, and Methanol Catalyzed by the Functionalized Polyethylene Glycol / Ionic Liquids under Supercritical Conditions (No.O-48)
9:09-9:24	Shuangxi Shao	Development of Green Chemistry in Leather Industry (No.O-32)
9:25-9:40	Lanying Wang	Green Synthesis of Dimethine Cyanine Dyes (No.O-52)
9:41-9:56	Honggang Fang	A New Clean Route to Synthesis of Diethyl Toluene-2, 4-dicarbamate (No.O-67)
9:57-10:12	Qun Xu	Porous TiO ₂ /SiO ₂ Composite Prepared Using PEG as Template Direction Reagent with Assistance of Supercritical CO ₂ (No.O-57)
10:12-10:27 Coffee Break		
Chair: Prof. Huey-Min Hwang, Dr. Junhua (Alex) Tao		
10:27-10:42	Guanwu Wang	Solvent-Free Organocatalyzed Aminohalogenation of Chalcones with Chloramine-T Under Mechanical Milling Conditions (No.O-49)
10:43-11:58	Lianshun Feng	Study on One-Step Synthesis of μ -Oxo-Bis[tetra(p-methylphenyl)porphyriniron] (No.O-30)
10:59-11:14	Yunjing Luo	Investigation on the Catalysis of Peroxynitrite Decomposition by Iron Tetraphenylporphyrin Compounds (No.O-68)
11:15-11:30	Rizhong Liang	Thermodynamic Analysis on Recycle of One Kind of Solid Low Chemical Potential Substance —Taking Phosphogypsum (CaSO ₄ ·2H ₂ O) as an Example (No.O-40)
11:31-11:46	Haifeng Duan	A Novel Cyclic Guanidinium Lactate Ionic Liquid: A Green, Efficient, Recyclable Dual Solvent-catalyst System for Knoevenagel Condensation (No.O-28)
11:47-12:02		

Lunch: 12:00-13:00; Place: Xiang Yue Yuan Restaurant (1st Floor)

Session 2 from 8:00 to 12:01; Place: the 22nd Meeting room of the 10th District Convention Center (2nd Floor)

Chair: Prof. Huanfeng Jiang, Prof. Kyoko Nozaki		
Time	Speakers	Titles
8:00-8:20 Keynote	Prof. Hongbing Ji	Biomimetic Oxidation of Organic Compounds by Supramolecular Catalysis under Mild Conditions (No.O-17)
8:21-8:36	Wen Guo	Organophosphorus Pesticide Degradation by Novel Nanoscale Multi-Electron Transfer Catalysts (No.O-21)
8:37-8:52	Jingen Deng	Design, Synthesis and Application of Novel Chiral Water-Soluble Catalysts (No.O-25)
8:53-9:08	Fengyu Zhao	Hydrogenation of Phenol in scCO ₂ over Carbon Nanofiber Supported Rh Catalyst (No.O-29)
9:09-9:24	Jinquan Wang	Catalytic Reactions in Supercritical CO ₂ (No.O-33)
9:25-9:40	Jing Xu	Density Functional Theory Investigation of the Catalytic Cycle from Cytochrome P450 Enzymes (No.O-56)
9:41-9:56	Yongbin Yan	Analysis on Catalytic Thermochemical Liquefaction of Maize Salk in Polyhydric Alcohols (No.O-41)
9:57-10:12	Chengxia Miao	Metal-salen Complexes: Design of Recyclable Homogeneous Catalyst for Highly Efficient and Environmentally Friendly Chemical Fixation of CO ₂ with Epoxides (No.O-45)
10:12-10:27 Coffee Break		
Chair: Prof. Buxing Han, Prof. Lifeng Yan		
10:27-10:42	Lei Wang	Chiral Ionic Liquid Containing L-Proline Unit as a Highly Efficient and Recyclable Asymmetric Organocatalyst for Aldol Reaction (No.O-53)
10:43-11:58	Qiong Xu	Novel Solid Sulfonic Acid from Starch as Catalyst for Self-condensation of Cyclohexanone (No.O-61)
10:59-11:14	Tao Jiang	Tuning the Selectivity for the Esterification of Ethylene Glycol with Propionic Acid by CO ₂ Pressure (No.O-65)
11:15-11:30	Suojiang Zhang	Physical-chemical Properties of ILs and Applied Fundamental Studies on Fixation of CO ₂ (No.O-44)
11:31-11:46	Michel Philippe	Green and Sustainable Chemistry from Renewable Raw Materials at L'Oreal (No.O-69)
11:47-12:02		

Lunch: 12:00-13:00; Place: Xiang Yue Yuan Restaurant (1st Floor)

Plenary Lectures from 13:00 to 17:30 on May 23; Place: the 9th Meeting room of the 10th District Convention Center (1st Floor)

Plenary Lectures (30min for every speaker to present and answer 1-2 Questions)		
Chair: Prof. Barry Trost, Prof. Suojiang Zhang		
Time	Speakers	Titles
13:00-13:30	Prof. Chaojun Li	Developing New Chemical Reactions by Guided by Green Chemistry (No.O-03)
13:30-14:00	Prof. Shengming Ma	Atom Economic Reactions via Transition Metal-Catalyzed Cyclometallation of 1, 5-Bisallenes (No.O-08)
14:00-14:30	Prof. Walter Leitner	Green Solvents for Multiphase Catalysis: From Molecular Understanding to Process Design (No.O-06)
14:30-15:00	Prof. Yuan Kou	Green Catalysis in Ionic Liquid and Water Phase (No.O-09)
15:00-15:20 Coffee Break		
Chair: Prof. J. Steinfeld, Prof. Qingxiang Guo		
15:20-15:50	Prof. Buxing Han	Green Solvents: Properties and Applications in Green Chemistry (No.O-10)
15:50-16:20	Prof. Changwei Hu	Prospect of the Chemistry Based on Biomass Resource——Inevitable Trend in the Development of New Sustainable Chemistry (No.O-11)
16:20-16:50	Prof. Suojiang Zhang	Ionic Liquids: Innovation in Green Process Engineering (No.O-12)
16:50-17:20	Prof. Yuanbin She	The Novel Green Chemical Synthetical Technology——Metal Porphyrin Biomimetic Catalysis and Application in Oxidation of Hydrocarbons (No.O-13)

17:30-20:30: Closure of the Symposium and Banquet; Place: Dalian Seafood Restaurant; Chair: Prof. Buxing Han

- 1. Announcement on the opening of closing ceremony & introduction of distinguished guests.**
- 2. Speech by Prof. Enze MIN, Honor Chairman of the Academic Committee.**
- 3. Speech by Prof. Chaojun LI**
- 4. Speech by Prof. Shengming MA**
- 5. Speech by Prof. Walter LEITNER**
- 6. Speech by Prof. Yuan KOU**
- 7. Speech by the Organizer of the Next Symposium**
- 8. Speech by Prof. Yuanbin SHE**
- 9. End of the Closing Ceremony**
- 10. Banquet in the same place.**