

## **Third Circular**

**(Primary program and other important information)**



**IUPAC 7<sup>th</sup> International Conference on Novel Materials  
and Synthesis (NMS-VII)  
&  
21<sup>st</sup> International Symposium  
on Fine Chemistry and Functional Polymers (FCFP-XXI)**

**16~21 October, 2011  
Shanghai, China**

**Organized by  
Fudan University**

**Sponsored by  
International Union of Pure and Applied Chemistry (IUPAC)  
Natural Science Foundation of China (NSFC)  
Shanghai Key Laboratory of Molecular Catalysis and Innovative Materials  
National Basic Research Program of China (2007CB209700)  
Science and Technology Commission of Shanghai Municipality (STCSM)**

<http://www.nms-iupac.org>

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## 1. INVITATION

Fudan University is one of the most famous universities in China. It was established in 1905 and initially named as Fudan Public School. The name “Fudan” was given by the distinguished educator in modern Chinese history, Xiangbo MA, from the Confucian Classics --- “Itinerant as the twilight, sun glows and moon luminesces” --- means unremitting effort of Chinese intelligentsia. Its motto is “Broad scope, Perseverant will, Pertinent question and Profound thinking” ([www.fudan.edu.cn/englishnew](http://www.fudan.edu.cn/englishnew)).

Innovation is an everlasting topic to improve the lives of human being since there are still a lot of unexpected disasters such as earthquake, tsunami, flood, draught and cyclone. Here we are going to jointly hold IUPAC 7th International Conference on Novel Materials and Synthesis (NMS-VII) & 21st International Symposium on Fine Chemistry and Functional Polymers (FCFP-XXI) in Shanghai, China on 16th~21st October, 2011 since Shanghai is a dynamic and charming industrial city full of oriental wonders and magics along the western coast of Pacific Ocean.

The site of the Conference, Training Center in School of Journalism (★★★★), is located at the main campus of Fudan University.

A post-conference (21st (22nd)– 23rd October, 2011) will also be arranged for discussion on new development and cooperative research in the fields of fine chemistry, biomaterials, functional polymers, nano materials, energy materials, ceramic materials, metallic materials, other nano materials and application of neutron scattering, and visit to some famous institutes and places of historic interest and scenic beauty near Shanghai.

In Octobers 2005, 2007 and 2009 we successfully organized IUPAC NMS-I & FCFP-XV, IUPAC NMS-III & FCFP-XVII, and IUPAC NMS-V & FCFP-XIX, separately. In 2009, more than 320 foreign scientists from over 30 countries enjoyed the beauty of Shanghai.

This time a lot of famous scientists strongly support our organization of this serial Conference such as Prof. Klaus Muellen (former President of German Chemical Society), Prof. Yury Shchipunov (Member of Russian Academy of Sciences), Prof. Dr. S. Penczek (Member of Polish Academy of Sciences), Prof. Dr. Hiroyuki Nishide (former Dean of Japan Society of Polymers, Waseda University, Japan), Prof. Jean-Pol Dodelet (Canada), Prof. Huijun Zhao (Griffith University, Member of Australia Academy of Engineering), Prof. Gang Wei (Australia), Prof. Hsin-Chiao Daniel Ouyang (USA), Dr. Shinji Inagaki (Japan), and Prof. Pengyuan Yang (China) and so on, and they will deliver very interesting plenary lectures on their excellent achievements.

This year it is the International Year of Chemistry of IUPAC. Above 400 scientists from more than 40 countries and areas from Asia, Europe, American, Africa and Atlantic will be present, including the white, the black and the yellow.

On behalf of the Organization Committee of the Conference, it is our great pleasure to invite you to attend this Conference IUPAC NMS-VII & FCFP-XXI and Post-Conference in October 2011 to renew friendship and to facilitate discussions on fine chemistry, biomaterials, functional polymers, energy storage and conversion materials, nano materials, ceramic materials, metallic materials, other novel materials and application of neutron scattering. We will provide a small gift to express our gratitude for your active support and participation, and the costs for banquets, dinners and social programs during the Conference will be free for you if you have registered.

If you have any other questions, please do not hesitate to contact us.

Looking forward to your active participation to add a lot of colors to the success of this Conference and all the best !

Prof. Dr. Yuping Wu, Prof. Dr. Shiyong Guan, Prof. Guoxiu Wang  
Cochairman, IUPAC NMS-VII & FCFP-XXI

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**2. SITE AND PERIOD**

Training Center, School of Journalism, Fudan University (★★★★) (復旦大學新聞學院培訓中心)  
 No. 400, Guoding Road, Shanghai 200433, China  
 Tel: +86-21-5558 9518  
 Fax: +86-21-6510 4010  
 17~ 21 October, 2011

The Conference will be held at Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心), which is located in Shanghai (上海) as described by the right rough map. The distance from the airport to the Training Center is about 50 km and from Shanghai Railway Station 10 km. If by taxi, it will cost about 160 Yuan and 35 Yuan, respectively.

PLEASE ASK THE DRIVER FOR A RECEIPT



**3. HOTELS & CHECK-IN**

**(a) Type A, B and C: The departure time is 20<sup>th</sup> October, 2011 or before that day is:**  
 Training Center, School of Journalism, Fudan University (the detailed address is as the above)

**(b) Type A, B and C: The departure time is 21<sup>st</sup> October, 2011 or after that day is:**  
 Grand Mercure Baolong Hotel Shanghai (寶隆賓館)  
 No. 180 Yixian Road (逸仙路 180 号), Shanghai 200434, China  
 Tel: (86) 21 3505 9666  
 Fax: (86) 21 6536 9900

**(c) Type D and E:**  
 Zhengda Hotel, Fudan University (復旦大學正大賓館)  
 No. 220 Handan Road (邯鄲路 220 号), Shanghai 200433, China  
 Tel: (86) 21 6511 5121

**(d) Check-in:**  
 Please pay the fee in advance at the registration desk or the reception desk, and then the staff will guide you to check in.

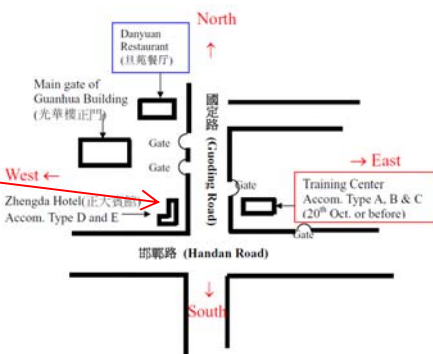
**(e) Shuttle buses**

During the Conference, in the morning (7:30-8:10 am) there are free shuttle buses from the Baolong Hotel to the Conference site.

After dinner or social programs, the free shuttle buses will return to Baolong Hotel.

**4. REGISTRATION SITE**

Lobby of Training Center, School of Journalism, Fudan University.  
 Time: 15 October, 8:00 am to 18:00 pm,  
 16 October, 8:00 am to 22:00 pm



17 October, 8:00 am to 22:00 pm

18 October, 8:00 am to 22:00 pm

19 October, 8:00 am to 22:00 pm

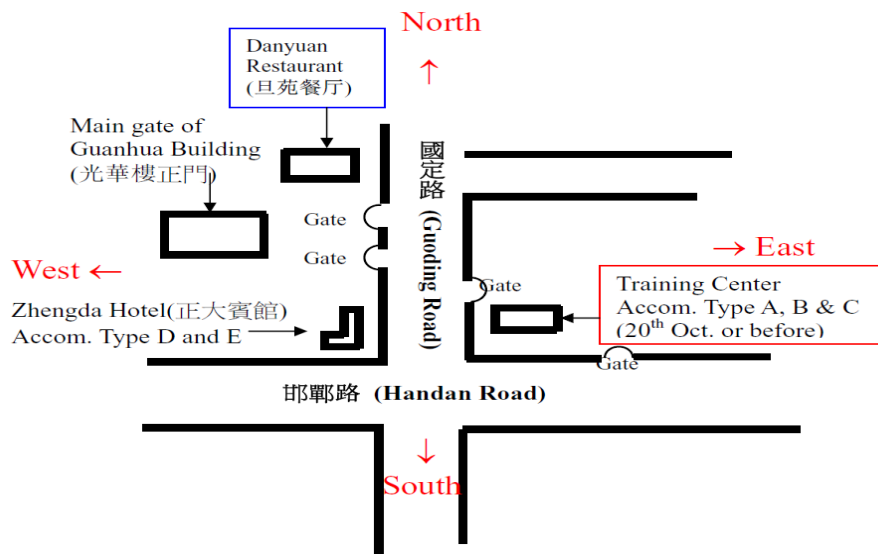
20 October, 8:00 am to 14:00 pm

## 5. DINING PLACES

(a) Breakfast: Please take at each hotel.

(b) Lunch, Dinner & Banquet: as follows

Date	Lunch	Dinner / Banquet
16 October, 2011	2 <sup>nd</sup> Floor of Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心 2 樓餐廳)	3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant (旦苑或教授餐廳)
17 October, 2011	2 <sup>nd</sup> Floor of Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心 2 樓餐廳)	3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant (旦苑或教授餐廳)
18 October, 2011	2 <sup>nd</sup> Floor of Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心 2 樓餐廳)	3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant (旦苑或教授餐廳)
19 October, 2011	2 <sup>nd</sup> Floor of Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心 2 樓餐廳)	2 <sup>nd</sup> Floor of Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心 2 樓餐廳)
20 October, 2011	2 <sup>nd</sup> Floor of Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心 2 樓餐廳)	2 <sup>nd</sup> Floor of Training Center, School of Journalism, Fudan University (復旦大學新聞學院培訓中心 2 樓餐廳)
21 October, 2011	Day tour site (Outside)	3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant (旦苑或教授餐廳)





## 6. METHODS OF PRESENTATION

Plenary lectures (45 each), Keynote lectures (30 min each), invited lectures (20 min each), oral presentation (10 min each) and poster sessions.

(1) As to speakers of plenary lectures, invited lectures and oral presentation, **it is strongly recommended to use multimedia projector in the form of “ppt”** since overhead projector will not be available for this conference.

(2) In the case of poster presentation, the poster size will be 100 × 100 cm and the putting-up boards will be available in lecture halls in the morning of 19<sup>th</sup> October, 2011.

## 7. SENDING .PPT FILE

Since the conference schedule is very heavy, the speakers are cordially invited to send your ppt files to the general secretary prior to the conference if you do not bring your portable computer, USB or CD-ROM with you. This will avoid possible problems associated with different language version of operation systems.

If you could not send the ppt file prior to the conference, please copy it to the computer in the corresponding conference rooms prior to the beginning of the conference session and have a check of your ppt file.

## 8. PAPER PUBLICATION

(1) Some invited speakers can submit their talk to the journal, *Pure and Applied Chemistry*, for a special issue. If interested, please contact the Organization Committee prior to 1<sup>st</sup> October, 2009. The Organization Committee will submit the list of possible contributors to the editor-in-chief and he will decide it and send the contributors the required information. After submission, the manuscript will be reviewed by normal process. Without nomination or invitation, one could not submit manuscript to this journal.

The invitees are kindly requested to submit your manuscripts before the deadline, 20<sup>th</sup> November, 2011, i.e. within one month after the conference.

(2) All of the lectures and contributions concerning functional polymers are recommended to submit to the journal *Journal of E-Polymers*.

**Please contact the cochairman, Prof. Yiping Wu, in advance so that a good arrangement can be made.**

## 9. LANGUAGE

The official language of the Conferences is English.

## 10. TRAVELING INFORMATION

Shanghai is one of the most active cities and the largest center of economy in China. It has witnessed the development of the modern history of economy, finance, architecture, culture, science and technology in China. Your visit in Shanghai will provide you a good chance to look and enjoy the life in a Chinese city with mixed traditional and modern style. More information can be searched from the web site of Shanghai as <http://www.sh.gov.cn>.

You can get there directly by flight or transferring from Beijing, Hongkong or Guangzhou International Airport and other big cities in China.

In the case of Japanese, whose one stay is not above 15 days, entry visa is not needed. Please be sure to carry your passport with you. Japanese participants can contact with following travel agency for their travel from Japan to China.

Leadman Universe Corporation  
3-1-2 Tsukamoto Building, Kamimeguro, Meguro-ku,  
Tokyo 153-0051, JAPAN  
TEL: 03-3793-7545 FAX: 03-3793-7500  
E-mail: leadman@hkg.odn.ne.jp

## 11. PICK-UP (free on 16 October, 2011)

(1) **Airports:** The secretarial staff carrying “**IUPAC NMS-VII & FCFP-XXI**” sign will meet you at the exits for international flights of the Shanghai Pudong International Airport and Shanghai Hongqian International Airport on 16 October, 2011 to guide you to the registration site.

Please inform your flights number, arrival time and the airport since Shanghai has two airports to the general secretary of the Conferences Ms. Shu Tian or cochairman, Prof. Yu-Ping Wu, by fax or email.

**(b) Railway stations:** There is no pick-up. We are very sorry to cause you inconvenience.

(i) On 16<sup>th</sup> October, 2011: You can take a taxi or bus to Grand Mercure Baolong Hotel Shanghai (寶隆賓館) (No. 180 Yixian Road: 逸仙路 180 号). You can also exchange and finally take subway (Line 3) and get off at Jiangwan Town (江灣站), and then walk back along the Yixian Road for about 200 meters to the Grand Mercure Baolong Hotel.

(ii) On 17<sup>th</sup> October, 2011 or after, you can take a taxi or bus (No. 942). The bus stop is at the north exit of the Shanghai Railway Station, and please get off at the Fudan University (復旦大學站). If you get off at Shanghai South Railway Station (上海南站), you can take a taxi or by subway (Line 3). By subway, please get off at Dabaishu (大柏樹 站), and transfer Bus (No. 133) to Fudan University (復旦大學 站).

If you get off at Shanghai Hongqiao Railway Station (上海虹橋 站), you can take a taxi or by subway (Line 2). Please exchange to Subway (Line 3) at Zhongshan Park (中山公園), then you can get off at Dabaishu (大柏樹 站), and transfer Bus (No. 133) to Fudan University (復旦大學 站).

If you arrive in Shanghai before 16<sup>th</sup> October, 2011, the secretarial staff will also meet and guide you according to your request.

If you miss our service, please take a taxi to the registration site by yourself. You may show the rough map (mentioned in the above **3. Venue**) to the taxi driver directly to the Registration Site.

## 12. LOCATION FOR CONFERENCE ROOMS

Conference Room A1.....	Conference Room 202, 2 <sup>nd</sup> Floor of Guanghai East Building (復旦大學光華樓東輔樓 202 會議室)
Conference Room A2 .....	4 <sup>th</sup> Floor of Training Center, Lecture Hall
Conference Room 1 .....	4 <sup>th</sup> Floor of Training Center
Conference Room 2 .....	4 <sup>th</sup> Floor of Training Center
Conference Room 3 .....	4 <sup>th</sup> Floor of Training Center
Conference Room 5 .....	4 <sup>th</sup> Floor of Training Center
Conference Room 6 .....	4 <sup>th</sup> Floor of Training Center
Conference Room 7 .....	4 <sup>th</sup> Floor of Training Center

## 13. REGISTRATION AND CANCELLATION

**In case of those who have not yet paid, please pay by cash on the registration desk.** However, the secretary should be notified in advance. **Or else, 10% overcharge will be included. On registration, only cash is accepted, personal checks, traveler's checks and credit cards are not acceptable.** We feel very sorry if there is any inconvenience for you. Please complete the necessary information on the Conference Registration Form and Accommodation Form *via* the website of the Conference ([www.nms-iupac.org](http://www.nms-iupac.org)). In emergency, please send them to the Cochairman, Prof. Yuping Wu by fax, mail or email.

In the event of cancellation of registration before 18<sup>th</sup> September, 2011, 80% of the registration fee will be refunded due to the refunding cost. After 19<sup>th</sup> September, 2011, the registration fee will not be refunded.

## 14. ACCOMMODATION & PAYMENT

All hotel rooms are reserved and arranged by the Organizing Committee so that a discounted price can be ensured. In order to secure a room, please fill-in clearly your dates of arrival and departure from the hotel *via* the website of the Conference ([www.nms-iupac.org](http://www.nms-iupac.org)) by 5<sup>th</sup> October, 2011 since October is the busiest and wonderful season of Shanghai. In emergency, you can send the information to us by email, mail or fax.

The payment account is the same as that for the registration, and you can pay the registration and accommodation fees together. If you want to cancel, please tell the organization committee at least



7 days before the Conference. Or else, the charge at least for one night will be paid.

### **15. PASSPORT AND VISA**

All foreign participants should possess valid passports and visas. In addition, most visitors from abroad have to apply for visas. **If you need the Official Invitation Letter with seal to apply for an entry visa, please fill in the required information while login the website of the Conference ([www.nms-iupac.org](http://www.nms-iupac.org))** and those items marked with asterisk is necessary. Or else we feel very sorry that we could not help you to get the document in time. In emergency, please send it to Prof. Yu-Ping Wu. He will fax and send the required documents to you in due time. Please apply for an entry visa at the nearest Chinese Embassy or Consulate.

**If you do not want to disclose your personal data or you could not send us the registration form in time, please apply Tourist Entry Visa since Shanghai is also a good place for sightseeing.**

### **16. TAXI AND OTHER SPECIAL SERVICES**

Since most taxi drivers can not speak English, please show the map and they will take you to the the Training Center. Cable internet services are included in the discounted prices for hotel. Photocopy, post office, phone and fax services in the hotel are also available. The cost for such special services will be paid by yourself.

### **17. CLIMATE**

The weather in Shanghai is its best during the Conference and the temperature ranges between 15°C-30 °C. An umbrella may be needed for you because it rains occasionally.

## 18. CONFERENCE SCHEDULE & SESSIONS ARRANGEMENT

Date	Time	Activities	Places
15 October	8:00-18:00	Pick up / Registration	Airports / Lobby of Training Center
16 October	8:00-23:00	Pick up / Registration	Airports / Lobby of Training Center
17 October (Mon.)	7:00-8:00	Breakfast / Registration	In each hotel / Lobby of Training Center
	7:30-8:10	Shuttle bus to Conference site	Lobby of Baolong Hotel
	8:30-8:55	Opening Ceremony	Conference Room A1
	8:55-9:40	<b>Plenary lecture</b>	Conference Room A1
	9:40-9:55	Taking Collective Photos	On the steps in front of Guanhua Building: 光華樓前臺階
	9:55-10:10	Coffee Break	
	10:10-12:25	<b>Plenary lectures</b>	Conference Room A1
	12:25-13:30	Lunch	2 <sup>nd</sup> Floor of Training Center
	13:30-15:30	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6
	15:30-15:50	Coffee Break	
	15:50-17:30	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6
17:45-18:40	<b>Dinner</b>	3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant	
18:30-18:45	Boarding buses	At the gate of Danyuan (Professor) Restaurant	
18:45-21:00	Departing and Touring Pujiang River		
18 October (Tues.)	7:00-8:30	Breakfast / Registration	In each hotel / Lobby of Training Center
	7:30-8:10	Shuttle bus to Conference site	Lobby of Baolong Hotel
	8:30-10:30	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6,7
	10:30-10:50	Coffee Break	
	10:50-12:30	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6,7
	12:30-13:30	Lunch	2 <sup>nd</sup> Floor of Training Center
	13:30-15:30	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6,7
	15:30-15:50	Coffee Break	
	15:50-17:40	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6,7
	17:30-18:30	Dinner	3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant
18:30-18:45	Boarding buses	At the gate of Danyuan (Professor) Restaurant	
18:45-21:00	Departing and Watching Acrobat Performance		
19 October (Wedn.)	7:00-8:30	Breakfast / Registration	In each hotel / Lobby of Training Center
	7:30-8:10	Shuttle bus to Conference site	Lobby of Baolong Hotel
	8:00-8:30	Putting up posters	<b>Conference Room A2</b>
	8:30-10:30	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6
	10:30-12:30	Coffee Break & <b>Poster Presentation</b>	<b>Conference Room A2</b>
	12:30-13:30	Lunch	2 <sup>nd</sup> Floor of Training Center
	13:30-15:45	<b>Plenary lectures</b>	<b>Conference Room A2</b>
	15:45-16:00	Coffee Break	
16:00-18:15	<b>Plenary lectures</b>	<b>Conference Room A2</b>	
18:20-19:30	Dinner	2 <sup>nd</sup> Floor of Training Center	

	Free activities		
20 October (Thurs.)	7:00-8:30	Breakfast	In each hotel
	7:30-8:10	Shuttle bus to Conference site	Lobby of Baolong Hotel
	8:30-10:20	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,3,5,6
	10:20-10:40	Coffee Break	
	10:40-12:20	<b>KL, IL &amp; OP</b>	Conference Rooms 1,2,5,6
	12:30-13:30	Lunch	2 <sup>nd</sup> Floor of Training Center
	13:30-15:20	<b>KL, IL &amp; OP</b>	Conference Rooms 2,3,6
	15:20-15:40	Coffee Break	
	15:40-17:30	<b>KL, IL &amp; OP</b>	Conference Rooms 2,3,6
	18:30-21:00	Awarding & Banquet	2 <sup>nd</sup> Floor of Training Center
21 October (Fri.)	7:00-8:00	Breakfast	In each hotel
	8:00-13:00	Boarding bus City Excursion	At the Lobby of Baolong Hotel
	7:30	Boarding bus at the Lobby of Baolong Hotel	
	7:45-18:00	Post-Conference (Route 2)	
	13:00-13:30	Lunch	Shanghai
	13:30-18:00	City Excursion	Shanghai
	18:30-20:00	Dinner	3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant
22 October (Satur.)	7:30	Boarding bus at the Lobby of Baolong Hotel (Route 1)	
	7:45-19:00	Post-Confereneec (Route 1 & Route 2)	
23 October (Sun.)	7:30-18:30	Post-Confereneec (Route 1 & Route 2)	
	18:30-19:30	Dining at 3 <sup>rd</sup> Floor, Danyuan (Professor) Restaurant for the participants of Post-Conference	
24 October (Mon.)	End		

### Sessions Arrangement

Session	Topic	Conference Room	Time
Session 01	Advanced Materials Control and Applications	A1	8:55-9:40, 17 Oct.
Session 02	Advanced Materials and their Findings	A1	10:10-12:25, 17 Oct.
Session 03	Advanced Nanomaterials	1	13:30-15:30, 17 Oct.
Session 04	Advanced Nanomaterials	1	15:50-17:30, 17 Oct.
Session 05	Advanced Novel Polymers	2	13:30-15:30, 17 Oct.
Session 06	Advanced Functional Polymers	2	15:50-17:30, 17 Oct.
Session 07	Advance Batteries Materials	3	13:30-15:20, 17 Oct.
Session 08	Advanced Energy Storage and Conversion	3	15:40-17:30, 17 Oct.
Session 09	Advanced Functional Ceramics	5	13:30-15:20, 17 Oct.
Session 10	Novel Photo-, Electro-, and Thermal Materials	5	15:40-17:30, 17 Oct.
Session 11	Advanced Organic Materials	6	13:30-15:30, 17 Oct.
Session 12	Advanced Organic Materials	6	15:50-17:30, 17 Oct.
Session 13	Advanced Nanomaterials	1	8:30-10:30, 18 Oct.
Session 14	Advanced Nanomaterials	1	10:50-12:30, 18 Oct.
Session 15	Advanced Nanomaterials	1	13:30-15:30, 18 Oct.
Session 16	Functional Nanomaterials	1	15:50-17:40, 18 Oct.

Session 17	Advanced Polymers	2	8:30-10:30, 18 Oct.
Session 18	Advanced Polymers	2	10:50-12:30, 18 Oct.
Session 19	Advanced Polymers	2	13:30-15:30, 18 Oct.
Session 20	Advanced Polymers	2	15:50-17:30, 18 Oct.
Session 21	Advanced Energy Conversion Materials	3	8:30-10:30, 18 Oct.
Session 22	Advanced Energy Storage Materials	3	10:50-12:40, 18 Oct.
Session 23	Advanced Energy Materials	3	13:30-15:30, 18 Oct.
Session 24	Advanced Energy Materials	3	15:50-17:30, 18 Oct.
Session 25	Advanced Functional Oxides and other Materials	5	8:30-10:30, 18 Oct.
Session 26	Advanced Functional Oxides and other Materials	5	10:50-12:30, 18 Oct.
Session 27	Advanced Functional Oxides and other Materials	5	13:30-15:30, 18 Oct.
Session 28	Advanced Functional Oxides and other Materials	5	15:50-17:30, 18 Oct.
Session 29	Advanced Biomaterials	6	8:30-10:30, 18 Oct.
Session 30	Advanced Biomaterials	6	10:50-12:20, 18 Oct.
Session 31	Advanced Biomaterials	6	13:30-15:30, 18 Oct.
Session 32	Advanced Biomaterials	6	15:50-17:30, 18 Oct.
Session 33	Advanced Functional Polymers	7	8:30-10:30, 18 Oct.
Session 34	Advanced Functional Polymers	7	10:50-12:30, 18 Oct.
Session 35	Advanced Functional Polymers	7	13:30-15:30, 18 Oct.
Session 36	Advanced Functional Polymers	7	15:50-17:20, 18 Oct.
Session 37	Advanced Semiconductors	1	8:30-10:30, 19 Oct.
Session 38	Advanced Functional Polymers	2	8:30-10:30, 19 Oct.
Session 39	Advanced Photomaterials	3	8:30-10:30, 19 Oct.
Session 40	Advanced Neutron-Scattering Technologies and Applications	5	8:30-10:30, 19 Oct.
Session 41	Advanced Organic- and bio-Materials	6	8:30-10:30, 19 Oct.
Session 42	Advanced Energy Storage and Conversion Materials	A2	13:30-15:45, 19 Oct.
Session 43	Advanced Biomaterials and Applications	A2	16:00-18:15, 19 Oct.
Session 44	Advanced Nanomaterials and Measurement	1	8:30-10:20, 20 Oct.
Session 45	Advanced Functional Nanomaterials	1	10:40-12:20, 20 Oct.
Session 46	Advanced Polymers and Applications	2	8:30-10:30, 20 Oct.
Session 47	Advanced Polymers and Applications	2	10:50-12:30, 20 Oct.
Session 48	Advanced Polymers and Applications	2	13:30-15:30, 20 Oct.
Session 49	Advanced Polymers and Applications	2	13:50-17:40, 20 Oct.
Session 50	Advanced Energy Materials	3	8:30-10:30, 20 Oct.
Session 51	Advanced Energy Materials	3	10:50-12:30, 20 Oct.
Session 52	Advanced Nanomaterials and Applications	3	13:30-15:40, 20 Oct.
Session 53	Advanced Nanomaterials and Applications	3	16:00-17:40, 20 Oct.

Session 54	Advanced Neutron-Scattering Technologies and Applications	5	8:30-10:30, 20 Oct.
Session 55	Advanced Materials and Applications	6	8:30-10:30, 20 Oct.
Session 56	Advanced Biomaterials and Applications	6	10:50-12:30, 20 Oct.
Session 57	Advanced Bio- and other Functional Materials	6	13:30-15:40, 20 Oct.
Session 58	Advanced Biomaterials and Chiral Materials	6	16:00-17:30, 20 Oct.
<b>Poster Session</b>		<b>A2</b>	<b>10:30-12:30, 19 Oct.</b>

## 19. SCIENTIFIC PROGRAM

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(There will be some change for the actual program. Please note it upon registration.)

17<sup>th</sup> October, 2011

### Conference Room A1

#### Opening Ceremony 8:30-8:55

Session 01 Advanced Materials Control and Applications

Chair: Prof. Yi Tang

	Page No.
PL 01 8:55-9:40.....	PL 1
Anatase TiO <sub>2</sub> with Highly Reactive Crystal Facets: Control Growth, Formation Mechanism and Applications	
Huijun Zhao	

9:40-10:10 COLLECTIVE PHOTO TAKING (On the steps in front of Guanhua Building: 光華樓前臺階)  
& COFFEE BREAK

Session 02 Advanced Materials and their Findings

Chairs: Prof. Heinz Berke

Prof. Ming Jiang

Prof. Kimihisa Yamamoto

	Page No.
PL 02 10:10-10:55 .....	PL 2
Optical and Mechanical Properties of Colloidal Nanoparticles in Confinement	
Hsin-Chiao Daniel Ouyang	
PL 03 10:55-11:40 .....	PL 3
Macromolecules, Assemblies, Particles – A Discovery Journey in Materials Synthesis	
Klaus Müllen	
PL 04 11:40-12:25 .....	PL 4
Overview CSIRO Advanced Materials and Technologies	
Gang Wei	

12:25-13:30 Lunch

17<sup>th</sup> October, 2011

Conference Room 1,

Session 03: Advanced Nanomaterials

Chairs: Hongjin Fan

Guillermo Gonzalez

	Page No.
KL 01 13:30-14:00.....	E 1
Molecular ‘Clip’ As a Tool for 2d Self-Assembly on Surfaces: From Concept to 3d Janus Tectons	
<u>André-Jean Attias</u>	
KL 02 14:00-14:30.....	E 2
Inorganically Filled Carbon Nanotubes: Synthesis, Properties and Prospects	



Ujjal K Gautam

IL 01 14:30-14:50.....E13  
Nanocomposite Strain Sensors Made from Various Carbon Nanofillers

Ning Hu

IL 02 14:50-15:10.....E14  
SEM/TEM Studies of Some Core Particles

Wuzong Zhou

IL 03 15:10-15:30.....E15  
Molecular Beam Epitaxy of InN and Its p-type Doping

Xinqiang Wang

COFFEE BREAK 15:30-15:50

Session 04: Advanced Nanomaterials

Chairs: Ujjal K. Gautam

Junqing Hu

KL 03 15:50-16:20.....E3  
Tihierarchical Oxide Nanowires: Synthesis Strategy and Applications as Supercapacitor Electrodes

Hongjin Fan

IL 04 16:20-16:40.....E16  
Tailored Three-Dimensional Assembly of Carbon Nanotubes and Graphene

Sang Ouk Kim

IL 05 16:40-17:00.....E17  
Multifunctional Au-Fe<sub>3</sub>O<sub>4</sub> Heterostructures for Magnetically Recyclable Catalytic Reaction

Ruey-An Doong

IL 06 17:00-17:20.....E18  
Nanostructuring of Glass Micro/Nanowires

Ming Ding

OP 01 17:20-17:30.....E44  
Worm-like Ag Nanowires by Electrodeposition from Lyotropic Reverse Hexagonal Liquid Crystalline Phase

Tingwei Cai

Conference Room 2

Session 05: Advanced Novel Polymers

Chairs: Laren M. Tolbert

P.G.L. Baker

KL 04 13:30-14:00.....C1  
Improving Sustainable/Biodegradable Polymers

James Wang

KL 05 14:00-14:30.....C2  
Assembly of Graphene-Based Two-Dimensional Nanosheets

Xinliang Feng

IL 07 14:30-14:50.....C14  
Plywood structure on injection-molded polypropylene

Yamaguchi Masayuki

IL 08 14:50-15:10.....C15

## Synthesis of Metallized Polyimide Films by Wet Chemical Process

Kensuke Akamatsu

IL 09 15:10-15:30.....C16

Organic/Inorganic Composite Particles by Controlled Radical Polymerization in Aqueous

Dispersed Media

Elodie Bourgeat-Lami

COFFEE BREAK 15:30-15:50

## Session 06: Advanced Functional Polymers

Chairs: P.H. Aubert

Wenhua Sun

Page No.

KL 06 15:50-16:20.....C3

Protein-Based Nanotubes for Biomolecular Traps

Teruyuki Komatsu

IL 10 16:20-16:40.....C17

Lateral Interaction of Transition Metal Dimers Through Graphene – Order and Magnetic Moments

Hway-Chuan Kang

IL 11 16:40-17:00.....C18

Photochromic Based Materials for Photonic Applications

Jaroslav Mysliwicz

IL 12 17:00-17:20.....C19

New Amino Acid-Based Block Copolymers, Stars, and Hybrids

Hideharu Mori

IL 13 17:20-17:40.....C20

Studies on the Effects of High-Energy Electron Beam Irradiation on the Mechanical Properties of Magnesium Hydroxide Filled HDPE/Mg(OH)<sub>2</sub>/TCA-27 CompositesNabil Alkadasi

Conference Room 3

## Session 07: Advance Batteries Materials

Chairs: Jaephil Cho

Bin Li

Page No.

KL 07 13:30-14:00.....D1

Tailoring Oxide Nanostructures and Heterostructures for Electrochromics and Electrochemical Energy Storage

Pooi See Lee

IL 14 14:00-14:20.....D17

The Discovery of a New Class of Cathode Materials for Lithium Ion Batteries

Hailong Chen

IL 15 14:20-14:40.....D18

Combined First-Principles and Experimental Study on the Mn based Olivine Cathode for Lithium Rechargeable Batteries

Kisuk Kang

IL 16 14:40-15:00.....D19

Lithium Ionics in Complex Hydrides: Review and Prospects

Shin-ichi Orimo

IL 17 15:00-15:20.....D20  
 LiV<sub>3</sub>O<sub>8</sub> Cathode Material Synthesized via Microwave Assistant Methods for Lithium Ion Batteries  
Chuan Wu

COFFEE BREAK 15:20-15:40

Session 08: Advanced Energy Storage and Conversion

Chairs: Pooi See Lee  
 Angelika Basch

	Page No.
KL 08 15:40-16:10.....	D2
Catalyst Supports for Pem Fuel Cells: From Carbon Black to Carbon Nanotube and Graphene <u>Siyu Ye</u>	
KL 09 16:10-16:40.....	D3
Quantum Dots Sensitized Zinc Oxide Nanowires Arrays Photoelectrodes for Water Splitting <u>Ru-Shi Liu</u>	
KL 10 16:40-17:10.....	D4
Direct Preparation of High-Purity Primary Lithium by Eletrochemical Method <u>Bin Li</u>	
IL 18 17:10-17:30.....	D21
On-Borad Hydrogen Production from Hydrolysis of Al Alloys <u>HyukSang Kwon</u>	

Conference Room 5

Session 09: Advanced Functional Ceramics

Chairs: Nobuhiro Ohta  
 S.K. Chen

	Page No.
KL 11 13:30-14:00.....	F1
Resistive Switching Effects in Oxide Sandwiched Structures <u>Runwei Li</u>	
IL 19 14:00-14:20.....	F2
Controlling and Visualizing the Self-Organized Aggregation of Transition Metals in Nitrides <u>Alberta Bonanni</u>	
IL 20 14:20-14:40.....	F3
Semiconductor/Ferromagnetic Nanocomposites – Theoretical Modelling and Applications <u>Tomasz Dietl</u>	
IL 21 14:40-15:00.....	F4
Solution-Source Vapor-Phase Synthesis of Oxide and Organic Thin Films <u>Shizuo Fujita</u>	
IL 22 15:00-15:20.....	F5
Development of Highly Transparent Electrode Materials for Organic Light Emitting Diodes <u>Jong-Lam Lee</u>	

COFFEE BREAK 15:20-15:40

Session 10: Novel Photo-, Electro-, and Thermal Materials

Chairs: Runwei Li  
 Tomasz Dietl

Page No.

IL 23	15:40-16:00	F6
Submicron-Sized Phosphors Based on Rare Earth Oxycarbonates		
<u>Toshiyuki Masui</u>		
IL 24	16:00-16:20	F7
Unprecedented Optoelectronic Function in Organic Conductor		
<u>Nobuhiro Ohta</u>		
IL 25	16:20-16:40	F8
Solution-processable Organic Single Crystal for High Performance Organic Transistor		
<u>Kazuhito Tsukagoshi</u>		
IL 26	16:40-17:00	F9
Carbon doping in MgB <sub>2</sub> reacted with Si and C containing additives		
<u>S.K. Chen</u>		
IL 27	17:00-17:20	F10
Formation of InAs Nanowire by Solid Source Reaction: A promising material as the high mobility channel for nanoelectronics		
<u>Yu-Lun Chueh</u>		
OP 02	17:20-17:30	H12
Heat Capacity Measurements of (BPDT-TTF) <sub>2</sub> ICl <sub>2</sub>		
<u>Guoyang Guan</u>		

Conference Room 6,

Session 11: Advanced Organic Materials

Chairs: Toyoshi Shimada

Sung Hwa Jhung

		Page No.
KL 12	13:30-14:00	A1
Organometallics for Molecular Electronics		
<u>Heinz Berke</u>		
KL 13	14:00-14:30	A2
Organometallic Macrocycles and Cages		
<u>Guoxin Jin</u>		
IL 28	14:30-14:50	A6
Unique Reactivity of Gold/Palladium Bimetallic Nanoclusters Toward the Suzuki-Miyaura Coupling Reaction		
<u>Hidehiro Sakurai</u>		
IL 29	14:50-15:10	A7
Controllable Synthesis of Tantalum Oxynitride and Nitride Nanoparticles for Oxidation Catalysis		
<u>Qingsheng Gao</u>		
IL 30	15:10-15:30	A8
Role of Nano-sized Oxide in Catalysis on Zeolite Nano-surface		
<u>Sachio Asaoka</u>		

COFFEE BREAK 15:30-15:50

Session 12: Advanced Organic Materials

Chairs: Guoxin Jin

Andrzej W. Trochimczuk

Page No.

KL 14	15:50-16:20	.....	A3
Preparation of Functional Allylsilanes Acting as Sol-Gel Precursors and Their Applications			
<u>Toyoshi Shimada</u>			
IL 31	16:20-16:40	.....	A9
Molecular Design of Macrocyclic Polyaniline Analogs Based on Organometallic C-N Bond Formation			
<u>Takaki Kanbara</u>			
IL 32	16:40-17:00	.....	A10
Metal-Free, One-Step, and Green Synthesis of (Z)-Alk-3-Enoic Acids in Superheated Fluids			
<u>Kazuya Kobiro</u>			
IL 33	17:00-17:20	.....	A11
Chiral Metal Organic Framework: Synthesis, Structure and Properties			
<u>Fa-Nian Shi</u>			
IL 34	17:20-17:40	.....	A12
Development of 2nd Generation Palladium-Catalyzed Cycloalkenylation and Application to Bioactive Natural Product Synthesis			
<u>Masahiro Toyota</u>			

.....

18<sup>th</sup> October, 2011

Conference Room 1

## Session 13: Advanced Nanomaterials

Chairs: Renzhi Ma

Michael M. Huang

	Page No.
KL 15 8:30-9:00.....	E4
Synthesis of Sub-nano Metal Particle using Dendrimer Box	
<u>Kimihisa Yamamoto</u>	
KL 16 9:00-9:30.....	E5
Rolled-up Inorganic Nanomembranes	
<u>Yongfeng Mei</u>	
IL 35 9:30-9:50.....	E19
Large-area Polymer/Nanospheres Hybrid Monolayer at a Water-Air Interface: Fabrication and Application	
<u>Wen-Tau Juan</u>	
IL 36 9:50-10:10.....	E20
Towards Molecular Electronics: Solution-Based Methods for Selective Deposition of Metals and Semiconductors	
<u>Amy Walker</u>	
IL 37 10:10-10:30.....	E21
Design of Coaxial Nanocomposite Nanowires for Tuning Photophysical Properties	
<u>Jean Luc Duvail</u>	
COFFEE BREAK 10:30-10:50	

## Session 14: Advanced Nanomaterials

Chairs: Jean Luc Duvail

Meiyong Liao

	Page No.
KL 17 10:50-11:20.....	E6
Artificial Photosynthesis: Photocatalytic Reduction of CO <sub>2</sub> into Hydrocarbon Fuel over Ultrathin Nanostructures	
<u>Yong Zhou</u>	
KL 18 11:20-11:50.....	E7
Polymeric Carbon Nitrides: Semiconducting Properties and Emerging Application in Optoelectronic Conversion	
<u>Yuanjian Zhang</u>	
IL 38 11:50-12:10.....	E22
Zinc Oxide Nanostructures: Synthesis and Optical Properties	
<u>Eglantina Benavente Espinosa</u>	
IL 39 12:10-12:30.....	E23
Unique Properties of Functional Oxides Nanodot Structures Fabricated by AAO Template-Assisted PLD	
<u>Xingsen Gao</u>	



12:30-13:30 Lunch

**Session 15: Advanced Nanomaterials**

Chairs: Yongfeng Mei

Leny Yulianti

	Page No.
KL 19 13:30-14:00.....	E8
Synthesis of Redoxable Hydroxide Nanosheets	
<u>Renzhi Ma</u>	
KL 20 14:00-14:30.....	E9
Low-Power Consumption Diamond Nanoelectromechanical Switch	
<u>Meiyong Liao</u>	
IL 40 14:30-14:50.....	E24
Silicon Nanowires: Low Cost Fabrication, Engineering and Applied Researches	
<u>Zhifene Huang</u>	
IL 41 14:50-15:10.....	E25
Vanadium Pentoxide Nanostructures	
<u>Guillermo Gonzalez</u>	
IL 42 15:10-15:30.....	E26
Nanostructured Fluoro-Carbide (CF <sub>x</sub> ) Thin Films: Deposition Guided by Theoretical Predictions	
<u>G. K. Gueorguiev</u>	

COFFEE BREAK 15:30-15:50

**Session 16: Functional Nanomaterials**

Chairs: Yong Zhou

Ivan Vakarelski

	Page No.
IL 43 15:50-16:10.....	E27
Mesoporous Carbon Nitrides: Facile Synthesis and the Application as Hydrogen Adsorbent	
<u>Chang-Sik Ha</u>	
IL 44 16:10-16:30.....	E28
High-Performance Nanofilm Photodetectors Fabricated by an Interfacial Self-Assembly Strategy	
<u>Linfeng Hu</u>	
IL 45 16:30-16:50.....	E29
Shape-Controlled Synthesis of Nanocrystals and Their Facet-Dependent Properties	
<u>Michael H. Huang</u>	
IL 46 16:50-17:10.....	E30
Design of Artificial Hollow Moth-Eye Structures Using Anodic Nanocones for High-Performance Optics and Solar Cells	
<u>Fu-Hsiang Ko</u>	
IL 47 17:10-17:30.....	E31
A Novel Mold-Assisted Etching Process to Pre-Texture Al for Preparing Ordered Nanoporous Anodic Alumina	
<u>Ing-Chi Leu</u>	
OP 03 17:30-17:40.....	E44
Synthesis, Properties and Application of MoO <sub>3-x</sub> Nanowires and MoS <sub>2</sub> Nanotubes	

A. Mrzel

Conference Room 2

Session 17: Advanced Polymers

Chairs: Tadeusz Biela

Xinliang Feng

	Page No.
KL 21 8:30-9:00.....	C4
Highly Efficient Preparation of Single Chain Janus Particles and their Self-Assembly	
<u>Daoyong Chen</u>	
KL 22 9:00-9:30.....	C5
Electrically and Thermally Conductive Polyolefins via Graphene Incorporation	
<u>Jinyong Dong</u>	
IL 48 9:30-9:50.....	C21
Morphology-Tunable Architectures Constructed by Supramolecular Assemblies of $\alpha$ -Diimine Compound: Fabrication and Application as Multifunctional Host Systems	
<u>Il Kim</u>	
IL 49 9:50-10:10.....	C22
Polymerized C <sub>60</sub> Thin Film: Its Preparations and Characterizations	
<u>Arenst Andreas Arie</u>	
IL 50 10:10-10:30.....	C23
Electronically conducting Polymer on vertically aligned carbon nanotubes: Application to Nanocomposite Electrodes	
<u>P.H. Aubert</u>	
COFFEE BREAK 10:30-10:50	

Session 18: Advanced Polymers

Chairs: Daoyong Chen

Grigoriy A. Mun

	Page No.
KL 23 10:50-11:20.....	C6
Soluble Precursor Synthesis of Graphene Nanoribbons	
<u>Laren M. Tolbert</u>	
IL 51 11:20-11:40.....	C24
Kinetics and Isotherm Studies of Methylene Blue Adsorption onto Polyaniline Nanotubes Base/Silica Composite	
<u>Mohamad M. Ayad</u>	
IL 52 11:40-12:00.....	C25
Modulation of the Interfacial Electrochemistry of Conductive Polymer Sensor Systems	
<u>P. G. L. Baker</u>	
IL 53 12:00-12:20.....	C26
Unexpected Thermal Properties of Polylactide and Polylactide Stereocomplexes Based On Carbon Nanotube Initiators	
<u>Tadeusz Biela</u>	
OP 04 12:20-12:30.....	C74

Effects of Foaming condition and carbon-nanotube content on structure and mechanical properties of PP/EPDM microcellular foam

Hamed Azizi

12:30-13:30 Lunch

Session 19: Advanced Polymers

Chairs: Jinyong Dong

Il Kim

	Page No.
KL 24 13:30-14:00.....	C7
Graphene: Surface Functionalization and Liquid Crystals	
<u>Chao Gao</u>	
KL 25 14:00-14:30.....	C8
Bioplastic wonderland: from molecular-orientation to bio-photonics	
<u>T. Kaneko</u>	
IL 54 14:30-14:50.....	C27
Design and synthesis of fluorescence sensing and light-harvesting molecular devices	
<u>Vladimir Bojinov</u>	
IL 55 14:50-15:10.....	C28
Competitive Processes in Controlled Cationic Ring-Opening Polymerization of Oxetane: A Lotka-Volterra Model of Two Growing Chains in Predator-Prey Interactions	
<u>Hassen Bouchekif</u>	
IL 56 15:10-15:30.....	C29
Graphene-Polyoxometalate Composites for Electronics and Photonics	
<u>Christoph Bubeck</u>	

COFFEE BREAK 15:30-15:50

Session 20: Advanced Polymers

Chairs: T. Kaneko

Christoph Bubeck

	Page No.
IL 57 15:50-16:10.....	C30
Copolymerization of carbon dioxide with aziridine Yielding Aliphatic Poly(Urethane Amine)S	
<u>Shaokui Cao</u>	
IL 58 16:10-16:30.....	C31
Electrospun Fibers as Low Cost Fillers for Polymer-Based Nanocomposites	
<u>Valerio Causin</u>	
IL 59 16:30-16:50.....	C32
Synthesis and Characterization of a Double Hydrophilic Polypeptide Graft Copolymer and its Application	
<u>Chuh-Yung Chen</u>	
IL 60 16:50-17:10.....	C33
Mechanically-Rubbed and Thermally-Switched Liquid Crystal Alignments Based on Poly(N-Vinyl Carbazole) Films	
<u>Ko-Ting Cheng</u>	
IL 61 17:10-17:30.....	C34
Electro-Adaptative Interpenetrating Polymer Networks	

Claude Chevrot

Conference Room 3

Session 21: Advanced Energy Conversion Materials

Chairs: Bao-Lian Su

Katsushi Fujii

	Page No.
KL 26 8:30-9:00 .....	D5
Fabrication of Ordered Silicon Nanostructures-Array and Solar Cell Application	
<u>Shu-Fen Hu</u>	
KL 27 9:00-9:30.....	D6
Light Management Using Nanostructures in Photovoltaics	
<u>Jr-Hau He</u>	
IL 62 9:30-9:50.....	D22
Problems Related to Carrier Transport in Organic Photovoltaics	
<u>Vaidotas Kazukauskas</u>	
IL 63 9:50-10:10.....	D23
Self-assembly of Heterojunction by Mesogens for Organic Photovoltaics	
<u>Yiwang Chen</u>	
IL 64 10:10-10:30.....	D24
Multiscale Molecular Simulation of the Nanoscale Morphologies of Bulk Heterojunction Polymer	
<u>Chun-Wei Pao</u>	

COFFEE BREAK 10:30-10:50

Session 22: Advanced Energy Storage Materials

Chairs: Jr-Hau He

Vaidotas Kazukauskas

	Page No.
KL 28 10:50-11:20.....	D7
Electrochemical Supercapacitor Materials: Challenges and Perspectives	
<u>Jiujun Zhang</u>	
KL 29 11:20-11:50.....	D8
Graphene Based Nanomaterials for Supercapacitor	
<u>Zhongwei (John) Chen</u>	
IL 65 11:50-12:10.....	D41
Photocatalysts, nanocatalysts, and chemical hydrides to produce hydrogen and to store solar energy	
<u>Nainesh Patel</u>	
IL66 12:10-12:30.....	D25
Lignin Containing Composites and Nanomaterials for Electrochemical Sensing and Energy Storage	
<u>Grzegorz Milczarek</u>	

12:30-13:30 Lunch

Session 23: Advanced Energy Materials

Chairs: Shimichi Orimo

Mei Cai

Page No.

KL 30	13:30-14:00.....	D10
Slow Photon Enhanced Photocatalytic Activity of Titania Inverse Opals: 3DOM and Films		
<u>Bao-Lian Su</u>		
KL 31	14:00-14:30.....	D11
PEM Fuel Cells and Li-Air Batteries: Novel Catalysts and Supports		
<u>Xueliang Sun</u>		
IL 67	14:30-14:50.....	D26
Effects of GaN Properties for Photoelectrochemical Water Splitting to Produce Hydrogen		
<u>Katsushi Fujii</u>		
IL 68	14:50-15:10.....	D27
Radiation Grafted and Phosphorylated Membranes for High Temperature Polymer Electrolyte Fuel Cell		
<u>Mohamed Nasef</u>		
IL 69	15:10-15:30.....	D28
Nanostructured Polymer Electrolytes for Fuel Cell Applications		
<u>Moon Jeong Park</u>		

COFFEE BREAK 15:30-15:50

#### Session 24: Advanced Energy Materials

Chairs: Kisuk Kang

Mohamed Nasef

	Page No.	
IL 70	15:50-16:10.....	D29
Study of Ion Transport Properties and Characterization of Solid Polymer Nanocomposite Materials		
<u>Prem N Gupta</u>		
IL 71	16:10-16:30.....	D30
A Safe Nanocomposite Polymer Electrolyte Prepared by Electrospinning for Rechargeable Lithium Batteries		
<u>Zhaohui Li</u>		
IL 72	16:30-16:50.....	D31
Ordered Polymer Electrolyte Membranes based on Polymer Brushes		
<u>Haining Zhang</u>		
IL 73	16:50-17:10.....	D32
Composite Polymer Electrolytes Modified by Anion Receptors of Lewis Acid Properties for Application in Lithium Ion Batteries		
<u>Ewa Zygadlo-Monikowska</u>		
OP 05	17:10-17:20.....	D51
1,8-Naphthosultone: A new electrolyte additive with both good thermal stability and overcharge protection for lithium ion batteries		
<u>Guangshuai Han</u>		
OP 06	17:20-17:30.....	D52
Single-ion Conducting Polymer Electrolytes for Lithium Ion Batteries Based on Polyvinyl Alcohol / Boric Acid / Lithium Oxalate		
<u>Yusong Zhu</u>		

Conference Room 5

#### Session 25: Advanced Functional Oxides and other Materials

Chairs: Xuehong Lu

KL 32	8:30-9:00	.....	H1
On the Structure and the Symmetry Group of Spin Glass State and Other Seven Fundamental Magnetic Structures in Terms of the Fibre			
<u>Jerzy Warczewski</u>			
KL 33	9:00-9:30	.....	I1
Gas Storage in Porous Materials			
<u>Craig Martin Brown</u>			
IL 74	9:30-9:50	.....	F11
Resistance Switching in Heterostructures of Complex Oxides			
<u>Tao(Tom) WU</u>			
IL 75	9:50-10:10	.....	G1
The Mechanical Properties of the Aluminum Alloy Produced by Continuous Casting Processes			
<u>Mitsuhiro Okayasu</u>			
IL 76	10:10-10:30	.....	H2
Transparent High-Refractive-Index TiO <sub>2</sub> -Epoxy Nanocomposites			
<u>Bo-Tau Liu</u>			
COFFEE BREAK 10:30-10:50			

## Session 26: Advanced Functional Oxides and other Materials

Chairs: Jerzy Warczewski  
Mitsuhiro Okayasu

IL 77	10:50-11:10	.....	H3
Hybrid Electrochromic Materials: Effects of Star-like Structure and Interfacial Covalent Bonds on Electrochemical Properties			
<u>Xuehong Lu</u>			
IL 78	11:10-11:30	.....	F12
Temperature-Responsive VO <sub>2</sub> Smart Windows: Solution Processing, Characterization and Properties			
<u>Yanfeng Gao</u>			
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<u>Marta Glen</u>			
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## Session 27: Advanced Functional Oxides and other Materials

Chairs: Craig Martin Brown  
Yanfeng Gao



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<u>Danyang Wang</u>	
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Session 28: Advanced Functional Oxides and other Materials

Chairs: Viorel Sandu

Ladda Meesuk

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<u>Lavinia Balan</u>	
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<u>Muhammad Idiris Saleh</u>	
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Session 29: Advanced Biomaterials

Chairs: Teruyuki Komatsu

Wilhelm K. Aicher

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<u>Thibaud Coradin</u>	
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<u>Christine Jérôme</u>	
IL 93 9:30-9:50.....	B6
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<u>Minhee Yun</u>	
IL 94 9:50-10:10.....	B7
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<u>Akira Baba</u>	
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<u>Jianhua Hao</u>	

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Session 30: Advanced Biomaterials

Chairs: Thibaud Coradin

Minhee Yun

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<u>Wilhelm K. Aicher</u>	
IL 97 11:40-12:00.....	B10
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<u>Pierre-François Brevet</u>	
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Chairs: Rong-Min Wang

Christine Jerome

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Design of Two-Photon Absorption Hybrid Nanoparticles for Diagnostic and TherapyStephane ParolaIL104 15:10-15:30.....B17  
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## Session 32: Advanced Biomaterials

Chairs: Akiyoshi Osaka

Valerie Heroguez

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Takashi FunatsuIL 106 16:10-16:30.....B19  
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Electrospun Biomimetic Composite Nanofibers for Tissue Scaffolding ApplicationsYanzhong ZhangIL 109 17:10-17:30.....B22  
Albumin Binding Metal Ions for Mimic of Antioxidant EnzymeRong-Min Wang

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Chairs: Koh-Hei Nitta

Dirk Kuckling

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Ba<sub>0.5</sub>Sr<sub>0.5</sub>Fe<sub>12</sub>O<sub>19</sub>-Multiwalled Carbon Nanotube with Polypyrrole

S.H. Hosseini

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Electrolyte System Plasticized with Oleic Acid

Mohd Ikmar Nizam Mohamad Isa (M.I.N. Isa)

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Maiko Okajima

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Polymerization

Shuichi Kanno

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Microwave-assisted Polymer Reaction and Its Application for Graft Polymerization through Atom  
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Kiyoshi Kikukawa

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#### Session 34: Advanced Functional Polymers

Chairs: Fabrice Mathevet

Kiyoshi Kikukawa

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Koh-hei Nitta

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Elena Tarabukina

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Min Tang

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Properties

Anna M. Szymczyk

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Poly(Phenyleneethynylene)s

Fumio Sanda

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#### Session 35: Advanced Functional Polymers

Chairs: Zorica Crnjak Orel

Fumio Sanda

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S. Kucharski

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Dirk Kuckling

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Yaroslav V. Kudryavtsev

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Mario Malinconico

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Kaushik Mallick

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Fabrice Mathevet

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## Session 36: Advanced Functional Polymers

Chairs: Elena Tarabukina

Igor F. Perepichka

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Zinc oxide based PMMA nanocomposites as an effective UV absorber

Zorica Crnjak Oreš

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Ewelina Ortyl

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Investigation of Excited-State Properties of Fluorene-Thiophene Oligomers by the SAC-CI

Theoretical Approach

Potjaman Poolmee

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Tetsushi Kijima

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Shengying Qian

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A Novel Approach to Produce Graphene  
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Session 37: Advanced Semiconductors

Chairs: G.K. Gueorguiev  
Yunze Long

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<u>Nan-Loh Yang</u>	
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<u>Bo Zou</u>	
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Session 38: Advanced Functional Polymers

Chairs: Claude Chevrot  
Chuh-Yung Chen

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Grigoriy A. Mun	
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Session 39: Advanced Photomaterials

Chairs: Shu-Fen Hu

Grzegorz Milczarek

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Session 40: Advanced Neutron-Scattering Technologies and Applications

Chairs: Kenneth C. Littrell

Hsiao-Wen Zan

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KL 45 9:00-9:30..... Neutron Depth Profiling of Lithium Transport in Micro-Batteries <u>Peter H.L. Notten</u>	I3
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Rongping Wang

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Shu Yin

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Session 41: Advanced Organic- and bio-Materials

Chairs: Kazuya Kobiro

Stephane Parola

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Sung Hwa Jung

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Makoto Shimizu

IL 140 9:30-9:50..... A13

Imidazolium Anion-Exchangers – Crosslinked Analogues of Ionic Liquids

Andrzej W. Trochimczuk

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Synthesis and Characterization of 2-Iminium-1,3-dithiolane: A New Family of Ionic Liquids

Azim Ziyaei Halimehjani

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Chairs: Prof. Peter H.L. Notten

Prof. Guoxiu Wang

Prof. Shaokui Cao

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Hiroyuki Nishide

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Jean-Pol Dodelet

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Optical and Electrical Responsive Mesoporous Organic-Silica Hybrids for Solar Energy Conversion

Shinji Inagaki

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Session 43: Advanced Biomaterials and Applications

Chairs: Dr. Andre-Jean Attias

Dr. Yutaka Kawahara

Prof. Ru-Shi Liu

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Stanislaw Penczek	
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Chairs: Wuzong Zhou

Amy Walker

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<u>Junqing Hu</u>	
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<u>Yunze Long</u>	
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<u>Zhendong Sha</u>	
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<u>Jiann Shieh</u>	
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<u>Ivan Vakarelski</u>	
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## Session 45: Advanced Functional Nanomaterials

Chairs: Elodie Bourgeat-Lami

Ming Ding

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<u>Faolang Xu</u>	
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<u>Haitao Ye</u>	
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<u>Shuxue Zhou</u>	

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Session 46: Advanced Polymers and Applications

Chairs: Jaroslaw Mysliwiec

Chao Gao

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<u>Akira Matsumoto</u>	
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<u>Youliang Zhao</u>	
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<u>Yong Zhang</u>	
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<u>Qiuyu Zhang</u>	
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Session 47: Advanced Polymers and Applications

Chairs: Markus Klapper

Akira Matsumoto

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<u>Zhaoping Liu</u>	
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<u>Roland Weidisch</u>	
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<u>Gulzhakhan Yeligbayeva</u>	
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<u>Siqian Wang</u>	

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**Session 48: Advanced Polymers and Applications**

Chairs: Youliang Zhao

Roland Weidisch

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	<u>Zhongzhen Yu</u>	
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	<u>Tiberio Ezquerro</u>	
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	<u>Motonobu Goto</u>	
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	<u>M. Hanafi</u>	

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**Session 49: Advanced Polymers and Applications**

Chairs: Gulzhakhan Yeligbayeva

Valerio Causin

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	<u>Ikuyoshi Tomita</u>	
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Mengmeng Li

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New Materials for Convertors of Energy

I. Suleimenov

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Session 50: Advanced Energy Materials

Chairs: Nataliya Shwartz

Vladimir Svrcek

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Jaephil Cho

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Mesoporous Electrode Materials for Energy Storage Devices

Guoxiu Wang

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Nano-Structuring Lithium Metal Phosphates

Hyun-Kon Song

IL 169 9:50-10:10.....D35

Enhanced Properties of Self-organized Core-Shell Structured Cathode Materials in All-Solid-State

Lithium Batteries

Xiaoxiong Xu

IL 170 10:10-10:30.....D36

Time-Resolved Spectroscopy of III-V Semiconductor Nanowires

Patrick Parkinson

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Session 51: Advanced Energy Materials

Chairs: Prem N. Gupta

Zhaohui Li

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Lithography

Soojin Park

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Preparation of Core-Shell Battery Materials by Novel Dip Coating Methods

Angelika Basch

IL 173 11:30-11:50.....D39

Tin Nanoparticles in Carbon Containers: A Novel Powerful Anode for Li-based Batteries

Yan Yu

IL 174 11:50-12:10.....D40

Is water an additive in lithium ion battery?

Fu-Ming Wang

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Lili Liu

OP 17 12:20-12:30.....D55  
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Wei Tang

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**Session 52: Advanced Nanomaterials and Applications**

Chairs: Jianyong Ouyang

Chanoch Carmeli

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Mei Cai

IL 175 14:00-14:20.....D42  
The Fluorochemical Expansion Initiative (FEI): South African government’S fluorspar mineral beneficiation programme

Mahlori Jeffrey Mashimbye

IL 176 14:20-14:40.....D43  
Peculiarities of axial and radial Si-Ge heterojunctions formation in nanowires – Monte Carlo simulation

Nataliya Shwartz

IL 177 14:40-15:00.....D44  
Electronic Interactions of SILICON Nanocrystals and nanocarbon materials: Hybrid Solar Cells

Vladimir Svrcek

IL 178 15:00-15:20.....D45  
Process to High Efficiency Low Cost Dye-Sensitized Solar Cells

Chun-Guey Wu

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Topotactic Fabrication of Optoelectronic Nanostructured Materials with Designed Phase and Assembly

Mingmei Wu

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**Session 53: Advanced Nanomaterials and Applications**

Chairs: Patrick Parkinson

Chun-Guey Wu

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Chanoch Carmeli

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Colloidal I-III-VI Semiconductor Nanocrystals for Light-Emitting and Solar-Harvesting Applications

Haizheng Zhong

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<u>Chia-Hua Huang</u>		
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Carbon Nanohybrids for Photo-thermal and photo-energy conversion		
<u>Yanfei Shen</u>		
OP 18	17:20-17:30.....	D56
New Polymeric Materials for Photovoltaic Applications		
<u>Yingping Zou</u>		
OP 19	17:30-17:40.....	D57
Novel Organic Electrolyte for Electric Double-Layer Capacitors		
<u>Lixia Wang</u>		

#### Conference Room 5

#### Session 54: Advanced Neutron-Scattering Technologies and Applications

Chairs: Vanessa K. Peterson

Alfons Penzkofer

		Page No.
IL 184	8:30-8:50.....	H11
Polymer Vertical Transistors And Sensors		
<u>Hsiao-Wen Zan</u>		
IL 185	8:50-9:10.....	I4
The Use of Small-Angle Scattering to Probe the Evolution of Microstructure in Advanced Engineering Materials		
<u>Kenneth C. Littrell</u>		
IL 186	9:10-9:30.....	I5
Proteins in Membranes using Neutrons		
<u>D. McGillivray</u>		
IL 187	9:30-9:50.....	I6
High-temperature Magnetic Ordering in Perovskite SrTcO <sub>3</sub>		
<u>E. Rodriguez</u>		
IL 188	9:50-10:10.....	I7
Studying Batteries Using <i>In-Situ</i> Neutron Diffraction		
<u>N. Sharma</u>		
IL 189	10:10-10:30.....	I8
Neutron Scattering Investigation of Thin Film Magnetism		
<u>T. Saerbeck</u>		

COFFEE BREAK 10:30-10:50

#### Conference Room 6

#### Session 55: Advanced Materials and Applications

Chairs: Teunis van Ree

Makoto Shimizu

Page No.



KL 55	8:30-9:00	.....	B4
Stimuli-Responsive Polymers Derived from Amino Acids			
<u>Zhibo Li</u>			
IL 190	9:00-9:20	.....	A15
Polysiloxanes as Supports for Transition Metal Catalysts			
<u>Marek Cypryk</u>			
IL 191	9:20-9:40	.....	B24
Manufacture of Bio-Nanocomposite Functional Mats from Gelatin			
<u>X.W. Yuan</u>			
IL 192	9:40-10:00	.....	B25
Impact of Textural Properties of Double Mesoporous Core-Shell Silica Nanospheres on Drug Control Release Parameters			
<u>Ahmed Mohamed El-Toni</u>			
IL 193	10:00-10:20	.....	A16
New Decorations of Carbon Nanotubes			
<u>Fernando Langa</u>			
OP 020	10:20-10:30	.....	A22
Highly Efficient Synthesis of Quinuclidine			
<u>Huichen Zhang</u>			
COFFEE BREAK			10:30-10:50

#### Session 56: Advanced Biomaterials and Applications

Chairs: Ahmed Mohamed El-Toni

Hiroaki Isago

			Page No.
IL 194	10:50-11:10	.....	B26
Arrays of Individually Addressable Polyelectrolyte Multilayer Chambers			
<u>Maxim Kiryukhin</u>			
IL 195	11:10-11:30	.....	B27
Cellular Polymer Biocomposites			
<u>Marek A Kozlowski</u>			
IL 196	11:30-11:50	.....	B28
Elaboration of New Nanostructured PNIPAM-Grafted Surface Bearing Nonfouling Properties towards Neurodegenerative Proteins			
<u>Fabienne Poncin-Epaillard</u>			
IL 197	11:50-12:10	.....	B29
Optical Functionalism of Branched Chromophore			
<u>Rolandas Tomasiunas</u>			
IL 198	12:10-12:30	.....	B30
Polymer Catalysts Imprinted with Cu(II) Ions As a Biomimics of Copper-Oxidases			
<u>Anna Jakubiak-Marcinkowska</u>			

12:30-13:30 Lunch

#### Session 57: Advanced Bio- and other Functional Materials

Chairs: Zhibo Li

Fernando Langa

KL 56	13:30-14:00	Artificial Muscles - Soft and Wet Engine of the Next Era	B5
<u>Yoshihito Osada</u>			
IL 199	14:00-14:20	Modified Supports for Improving Activity and Selectivity of the Heterogeneous Catalysts	A17
<u>Mehran</u>			
IL 200	14:20-14:40	Synthesis of Axially Silyl End-Capped Antimony-Phthalocyanines and their Spectral and Electrochemical Properties	A18
<u>Hiroaki Isago</u>			
IL 201	14:40-15:00	Synthesis and Chemical Modification of Novel Molecular Materials for EUV Lithography and Other Functional Materials	A19
<u>Hiroto Kudo</u>			
IL 202	15:00-15:20	Furanoeremophilane as a new material for some Ligularia species in Yunnan and Sichuan	A20
<u>Chiaki Kuroda</u>			
IL 203	15:20-15:40	Biodiesel Production by Esterification of Free Fatty Acids and Transesterification of Triglycerides over a Solid Acid Catalyst Comprising 12-Tungstophosphoric Acid and SBA-15	A21
<u>Anjali Patel</u>			

COFFEE BREAK 15:40-16:00

Session 58: Advanced Biomaterials and Chiral Materials

Chairs: Prof. Dr. Shizhang Qiao

Prof. Huamin Zhang

IL 204	16:00-16:20	The Protein-protected Gold-Nanoclusters and their Applications in Sensing	B31
<u>Yuqing Wu</u>			
IL 205	16:20-16:40	Preparation of Mesoporous Bioglass Coated Zirconia Scaffold for Bone Tissue Engineering	B32
<u>Cheng Yan</u>			
IL 206	16:40-17:00	Self-Repair in the Channels of Silica Nanocomposites	B33
<u>Hendrik Oktendy Lintang</u>			
OP 021	17:00-17:10	Synthesis of Novel Highly N-Substituted Propellanes	A23
<u>Moonyong Shin</u>			
OP 022	17:10-17:20	Enantioselective Synthesis of C3 Symmetric Chiral Triazasumanenes	A24
<u>Qitao Tan</u>			
OP 023	17:20-17:30	Visual Chiral Recognition through Enantioselective Metallogel Collapsing: Synthesis, Characterization, and Application of Platinum–Steroid Low-Molecular-Mass Gelators	A25
<u>Weiwei Fang</u>			

**Poster Session:**

Exhibition site: Conference Room A2

Time: 10:30-12:30, 19<sup>th</sup> October, 2011

No.	Author(s)	Title of Presentation
P1	G. Kądziołka, M. Gleń, A. W. Morawski, B. Michalkiewicz	Photocatalytic Reduction of Carbon Dioxide to C1 Organic Derivatives
P2	Huichen Zhang, Xiaojun Chen, Lixia Wang, Zhen Zhao, Fangqin Lin, Shiyu Guan*	Highly Efficient Synthesis of Quinuclidine
P3	Xiaodong Guo, Shouqin Gao, Duxin Li, Peihua Lin, Chuan Dong, Shaomin Shuang*	Synthesis and Spectral Study of Two Novel Ict Compounds Containing Carbazole
P4	D. Guzeller, H. Ocak, B. Bilgin-Eran	Silylated Bent-Core Mesogens with Biphenyl Central Unit and Olefin Terminated Derivatives
P5	Zubair Hasan and Sung Hwa Jhung	Adsorptive Removal of Pharmaceuticals and Personal Care Products with Metal-Organic Frameworks
P6	In Joong Kang, Nazmul Abedin Khan, Sung Hwa Jhung*	Effect Of Central Metal Ions on the Chemical and Thermal Stability of Isotypic Metal-Organic Frameworks
P7	Nazmul Abedin Khan, Sung Hwa Jhung*	Isotypic Metal-Organic Frameworks, Metal-Benzenedicarboxylates, for Liquid-Phase Adsorption/Removal of Benzothiophene
P8	J. Ziebro, G. Kądziołka, B. Michalkiewicz	Synthesis of Nanocarbon Materials from Methane
P9	Myeong Hak Kim, Moonyong Shin, Hye Ryung Lee, Tae Hwan Ha, Jongho Jeon, Kyoo-Hyun Chung, Jin Seuk Kim, Young Gyu Kim	Synthesis and Nitration Study of Azapropellanes
P10	D. W. Kim, M. S. Park, S. D. Lee, D. W. Park*	Synthesis of Glycerol Carbonate from Glycerol and Urea Using Supported Ionic Liquid Catalysts
P11	K.N. Semenov*, N.A. Charykov, V.A. Keskinov	The Fullerenol Synthesis and Identification and Main Properties of The Fullerenol Water Solutions
P12	S. Hata, S. Ariga, I. Hachiya, M. Shimizu*	Titanium Tetrahalides Promoted Regioselective Ring-Opening and Reductive Aldol Reactions of Azetidin-3-Ones
P13	Fangzheng Su, Xinchun Wang, Markus Antonietti	Carbon Nitride-Photocatalyzed Aerobic Oxygenation of Tertiary Amines via Activation of sp <sup>3</sup> C-H Bond with Visible Light
P14	Warot Chotpatiwetchkul, Phornphimon Maitarad*, Suriya Tateing, Nawee Kungwan, Supa Hannongbua*	3d-QSAR Study of 2-Hydroxycyclohexylsulfonamide Derivatives Against Botrytis Cinerea
P15	Soledad Machado, Ana Acevedo, Graciela Borthagaray, Laura Capote, Malena Abud, María E. Lucas, Alicia Cuevas, Raúl Chiozzone	Incorporating Silver Nanoparticles into Gels, Lotions and Creams: Broad Spectrum Antimicrobial Pharmaceuticals for Topical Use

P16	Eul Hye Jeon, Sung Kwang Lee*	QSAR Study To Predict Relative Binding Affinity For Androgen Receptor using Cats and Pharm Rdf Descriptors
P17	Haiyang Dou, Sun Tae Kim, Ki Hun Kim, Byung Chul Lee, Hyoun Soo Kim, Chul Kim, Seungho Lee*	Capability of Flow Field-Flow Fractionation (FLFFF) for Size-Characterization of Rdx Particles
P18	Ji Young Cha, Seung Bin Baek, Hee Cheon Lee, Chul Kim*	NMR Study on Conformation and Dynamics of Substance P in Acidic Bicelles
P19	Ji Young Cha, Chul Kim, Sung Kwang Lee*	A Mechanistic Interpretation and Prediction of the Rate Constants for the Gas-Phase Degradation of O <sub>3</sub> , OH and NO <sub>3</sub> Radicals: A QSPR Approach
P20	Jin Hee Jeong, Seungho Lee, Sung Kwang Lee*	QSPR Approach for Estimating Bioconcentration Factor of Diverse Organic Compounds Using 2d Molecular Descriptors and Machine Learning Methods
P21	John Wang Happy Tan, Li Xu	Bifunctional Peolated Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nano Core-Shells via Bioinspired Siliciation for Controlled Drug Delivery and MRI
P22	H. Azizi, J.Faghihi	The Effect of Nanoclay on the Properties of Styrene-Butadiene-Styrene Thermoplastic Elastomer and its Blend with Polyethylene and Polystyrene
P23	H. Bouchékif, S. Carlotti And A. Deffieux	Design of a Cross-Linking Poly(ε-Caprolactam) Copolymerization System for Mold Processes
P24	A.M. Gumerov, I.M. Davletbaeva	The Synthesis of Optically Transparent Mesoporous Polymers with Anionic Macroinitiator
P25	I.M. Davletbaeva1, R.S. Davletbaev, A.M. Gumerov1	Metalcoordinated Semiconducting Polyurethanes
P26	A. Mirabedini, M. Karrabi, I. Ghasemi, F.Abbassi	Stress Relaxation Behavior of NBR/Phenolic Resin
P27	S. Hossein Hosseini, A. Jafari Najaf Abadi	Synthesis and Characterization of Magnetic and Conductive Graphite Nanoflake / CoFe <sub>2</sub> O <sub>4</sub> Nanocomposites Based on Polypyrrole
P28	Seyed Hossein Hosseini, Maryam Moloudi	Preparation and Characterization of MnFe <sub>2</sub> O <sub>4</sub> Masked by TiO <sub>2</sub> and Polythiophene
P29	Seyed Hossein Hosseini, Bahareh Farhadpour	Synthesis of Conducting Liquid Crystalline Polythiophene Containing Azobenzene Group under Electric Field
P30	Seyed Hossein Hosseini, Dina Alizadeh	Preparation of Carbon Flake Nanocomposite Based on Melamine-Formaldehyde (MF) Resins
P31	A.S. Samsudin And M.I.N. Isa	The Electrical and Ionic Conductivity on Carboxy Methylcellulose –NH <sub>4</sub> Br Based Biopolymer Electrolytes System
P32	A. Md. Ali, Y. Oka, And T. Kaneko*	Syntheses of Novel Polyamides Bio-Based on Itaconic Acid With Diamines via Aza-Michael Addition/Amidation
P33	K. Kan, D. Kaneko, And T. Kaneko*	Thermotropic Bio-Based Polymers Derived from Wholly Aromatic Amino Acid and their Polarized Photoluminescence

P34	K. Yasaki, D. Kaneko, And T. Kaneko*	Real-Time Photodeformation Induced by Cinnamoyl Molecular Spring
P35	Q. T. Nguyen, M. K. Okajima,* T. Kaneko	Metal-Mediated Self-Assembly of Sulfated Polysaccharides Extracted from Aphanothece Stagnina Natural Gels
P36	Shuichi Kanno	Solvent Influences on the Ionic Liquid-Initiated Radical Polymerization
P37	Shunsuke Izumi, Masato Yoshida, Hideo Sawada*	Preparation of Novel Fluorinated Cooligomeric Nanoparticles-Encapsulated Rose Bengal Possessing Thermochromism Behavior
P38	T. Saito, H. Kakehi, Y. Kato, M. Miura, N. Isu, H. Sawada*	Preparation and Thermal Stability of Perfluoro-1,3-Propanedisulfonic Acid/Calcium Fluoride Nanocomposites
P39	T. Kijima, H. Sawada*	Immobilization Of Palladium Nanoparticles in Fluoroalkyl End-Capped Oligomeric Aggregate Cores and their Application in Catalysis
P40	Dong Eun Kang, Il Kim*	A Study on Air Bubble-Assisted Formation of Micro/Nano Scale Honeycomb Patterns of Polymer
P41	Min Hee Kim, Jing Wang, Il Kim*	Synthesis and Application of Amphiphilic Alkyl-Terminated Hyperbranched Polyglycidols
P42	Kyeong Mi Lee, Il Kim*	Synthesis of Thermostable Ni (II) A-Diimine Complexes Bearing Multi-Hydroxyl-Groups for Ethylene Polymerizations
P43	H. Tamezawa, T. Kumagai, S. Inoue, K. Yokoyama, Y. Matoba, M. Shibano, T. Uchibori, H. Aota, A. Matsumoto*	What Is the Fate of Resonance-Stabilized Monomeric Allyl Radical in Allyl Polymerization?
P44	K. Himei, H. Aota, A. Matsumoto	Ultrasonic Degradation of Network Polymers or Crosslink-System-Materials to Their Precursors
P45	T. Takamori, H. Aota, A. Matsumoto	Synthesis of Nanoparticles as Constituents of Crosslink-System-Materials by Free-Radical Crosslinking Monomethacrylate/Dimethacrylate Copolymerizations
P46	G. Mun, B. Yermukhambetova, Zh. Zhatkanbayeva, R. Mangazbayeva, R. Rakhmetullayeva, A. Toktabayeva	Formation of Interpolymer Complexes and Hydrophilic Associations and their Application in New Image Reproduction Systems
P47	A.V. Penkova, V.M. Vorotyntsev, I.V. Vorotyntsev, A.M. Toikka	Membrane Materials Based on Polymer Nanocomposites for Gas Separation
P48	I. Suleimenov*, V. Bublik And D.B. Shaltykova	Hydrophilic Associates: A New Material for Quasibiological Electronics
P49	Keda Wang, Lijun Liu, Fengyou Jin*	Synthesis of Superabsorbent Polymer from Eggshell Membrane
P50	Meng-Lan Jiang, Rong-Min Wang*, Jun-Feng Guo, Shao-Fei Zhang, Yu-Feng He	Preparation and Properties of Self-Cross-Linked Potato Starch-Based Graft Copolymer
P51	Ling Zhang, Yu-Feng He, De-Zhen Yan, Shi-Lei Liu, Rong-Min Wang*	Modification Of Wheat Stalk Cellulose By Poly(Acrylic Acid) For Removing Lead Ions

P52	G. Yeligbayeva*, A. Shaikhutdinova, G. Irmukhmetova, V. Bublik, E. Shaikhutdinov	Excitation of Suleimenov – Mun'S Waves at Polymer Composite Surface
P53	Pei-Yi Chang, Ruey-An Doong*	Facile Synthesis of Tin Nanoparticles Encapsulated in Ordered Mesoporous Carbon Matrix for Anode of Li-Ion Batteries
P54	Mohamed Ghenoun, Menouar Hanafi	Use of The Photovoltaic Technology and the Experience with the Solar Energy Electrification of Some Localities in The South of Algeria
P55	Yao Fu, Zhiqun Ye, Tingwei Cai, Lixia Wang, Shiyu Guan*	The Preparation and Characterization of Olivine LiFePO <sub>4</sub> /C Doped with Li Phosphorous Sulfide
P56	Bingxiao Liu, Guangshuai Han, Bing Li*, Shiyu Guan*	Improved Low Temperature Performance of Lithium-Ion Cells with Monofluoroethylene Carbonate as the Electrolyte Additive
P57	G-Q. Li, N. Hiyama, M. Matsuo, M. Kano, S. Takagi, S. Semboshi, S. Orimo	Synthesis and Characterizations of Complex Hydride YMn <sub>2</sub> H <sub>6</sub>
P58	H. X. Yang, T. Song, H. Park, H. Kim, U. Paik*	Nanofibers of Hybrid Polyaniline/Polyoxometalates as Cathode Electrode for Lithium Ion Batteries
P59	Taseup Taseup Song, Junghyun Choi, Fan Xia Wonil Park, Seoung Hun Kim, Hansu Kim And Ungyu Paik*	Si Nanowires Branching with Carbon Nanofibers as an Anode Material for Lithium Ion Batteries
P60	H. X. Yang, T. Song, H. Park, H. Kim, U. Paik*	Nanofibers of Hybrid Polyaniline/Polyoxometalates ss Cathode Electrode for Lithium Ion Batteries
P61	N.L.Shwartz*, E.A.Mikhantiev, I.G.Neizvestny, S.V.Usenkov	Simulation of NC-Si Formation during SiO <sub>x</sub> Layers Annealing
P62	Sylwia Ronka, Andrzej W. Trochimczuk	Novel Materials for Adsorptive Desulfurization of Liquid Fuels gor Fuel Cell Applications
P63	Zhenxuan Wang, Nan Wu, Kazuyuki Hirao	Efficient Visible-Light-Driven Overall Water Splitting by Abundant-Elements Based Photocatalyst
P64	X.J. Wang, Y.Y. Hou, H. Sun, F.X. Wang, Y.P. Wu*	Preparation of Three-Dimensionally Ordered Macro-Porous Copper and Nickel as Collector for Lithium Battery
P65	Y.Y. Hou, H. Sun, X.J. Wang, F.X. Wang, S.Y. Wang, Y.P. Wu*	LiFePO <sub>4</sub> /MCNT Composites with Hierarchical Porosity as Ultra-Fast Cathode Material for ARLBs
P66	H. Sun, Y.S. Zhu, F.X. Wang, Y.P. Wu*	An Improved Method to Synthesize Lithium Bis(Oxalato)-Borate
P67	T.T. Zhu, Y.S. Zhu, S.Y. Xiao, F.X. Wang, Y.P. Wu*	Bromine Doped Polypyrrole Nanoparticles with High Rate and Cycling Performance
P68	Shiyin Xiao, Zhaohui Li*	Preparation of the Spherical and Porous Manganese Dioxide and its Electrochemical Properties
P69	Haiyan Zhang, Rui Lin, Chunhui Cao, Jianxin Ma	Preparation of Core-Shell Pt@Au/C Electrocatalysts with High Activity for Oxygen Reduction
P70	J. Ostrowska, E. Zygadlo-Monikowska*, N. Langwald,	Synthesis and Electrochemical Properties of New Trifluoroalkoxyborate Lithium

	Z. Florjańczyk, W. Sadurski, P. Bołtomiuk, J. Frydrych	Salts
P71	J. Ostrowska, W. Sadurski, E. Zygadlo-Monikowska*, Z. Florjańczyk, N. Langwald, P. Kubisa, T. Biedroń	Application of Modified Imidazolium Ionic Liquids as Lithium Electrolyte Solvents
P72	Yi Ling Chiew, Kuan Yew Cheong	Effect of Different Ratios of Rice Husk Ash and Oil Palm Empty Fruit Bunch Fibers on The Formation of SiC Nanowires
P73	Dewei Chu	A Simple and Novel Route for Preparation of TiO <sub>2</sub> Nanostructures and their Bio-Sensing Applications
P74	Min Zhou, Jiajia Cui, Tingting Liu, Shiyou Guan*	Ionic Liquid as Precursor for Graphene-Based Carbon Nitride Nanosheets with High Surface Area and Nitrogen Content
P75	Yong Hui Li, Chul Sung Kim*	Fabrication of Monodisperse MnFe <sub>2</sub> O <sub>4</sub> @SiO <sub>2</sub> Microspheres with Core-Shell Structure
P76	Sun Tae Kim, Hyun Kyum Kim, Sun Ho Han, Euo Chang Jung, Sung Kwang Lee, Seungho Lee*	Analysis of Size and Concentration of TiO <sub>2</sub> Nanoparticles by Sedimentation Field-Flow Fractionation and Single Particle Mode of ICP-MS
P77	Jie Zheng*, Yunze Long, Jiayin Huang	Oriented and Twisted Polymer Nanofibers Prepared by Electrospinning with Dual Collection Frames
P78	Zhihua Zhang *, Yun-Ze Long, Hongxing Yin	Fabrication of Ordered Arrangement and Cross Structure Fluorescent Nanofibers via Centrifugal Electrospinning
P79	Nan Wu, Yasuhiko Shimotsuma, Masaaki Sakakura, Masayuki Nishi, Kiyotaka Miura, Kazuyuki Hirao	Photo-Initiation of ZnO Nanowire Formation by Femtosecond Laser Irradiation
P80	Won Suk Choi, Kuk Ro Yoon*	Novel Hollow PAH-FITC/TiO <sub>2</sub> /Au Nanofiber Photocatalyst Fabricated by Electrospinning
P81	Ts. Dimitrov, M. Doynov, M. Stancheva	Study of Ceramic Pigments Using Waste Catalysts from Petroleum Revision Productions
P82	Hyun Tae Cho, Chul Sung Kim*	Magnetic And Mössbauer Studies For Mn <sub>1-x</sub> Fe <sub>x</sub> As
P83	Fengjiao Yu, Wuzong Zhou, Pascal Lignier, Bob Tooze	Early Stage Crystal Growth of Copper-Platinum Bimetallic Nanoalloys
P84	N. Marinova, N. Georgiev, V. Bojinov*	Facile Synthesis, Properties and Sensor Activity of 4-Aryloxy Substituted 1,8-Naphthalimides
P85	N. Georgiev, V. Bojinov	Design and Synthesis of Highly Photostable Blue Emitting 1,8-Naphthalimide as Fluorescent Sensor for Metal Cations and Protons
P86	C-L Chiang, C-Y Chen, C-S Lin	Preparation and Dispersion of Magnetite Nanofluids with High Solid Content by Wet Beads Milling
P87	M. Doynov, Ts. Dimitrov	New Ceramic Materials Synthesis Using Waste Catalysts From Petroleum Revision Productions

P88	K. Łuczka*, B. Grzmil, M. Gleń, K. Kowalczyk	Aluminium Calcium Phosphate as Anticorrosive Pigment
P89	Xiao-Xiao Li, Rong-Min Wang*, Gang Li, Yu-Feng He, Xiao-Chun Yin	Preparation and Properties of Self-Cross-Linked Potato Starch-Based Graft Copolymer
P90	K.C. Littrell, G Rother, L. Anovitz, D. Cole, C. L.M. Debeer-Schmitt	In-Situ Study of Kerogen Release and Metamorphism in Oil Shale by Sans
P91	Nadjet Bekhtaoui	The Treatment of the Liquid Rejects from the Petroleum Refinery of Arzew–Algeria to the Mediterranean Littoral
P92	T. Yamagata, J. Kuwabara, T. Kanbara*	Synthesis of Diketopyrrolopyrrole Derivative Having 1,1,4,4-Tetracyanobutadienes
P93	D. Guzeller, H. Ocak, Oznur Yaşa-Şahin, B. Bilgin-Eran	Effect of the Structural Modifications on the Mesomorphic Properties of Bent-Core Molecules



**20. Lady Program**

**Due to limited seats, this program is only available to registered accompanying persons.**

**20.1 17 October, 2011:**

13:30: Boarding bus at the lobby of Baolong Hotel

13:30 - 17:00: Touring Shanghai Museum

**20.2 18 October, 2011:**

8:45: Boarding bus at the lobby of Baolong Hotel

8:45 - 16:00: Departing for Chongmin Island, touring National Dongping Forest Park and having lunch

**20.3 19 October, 2011:**

8:45: Boarding bus at the lobby of Baolong Hotel

8:45 - 16:00: Departing for Exhibition Center of World EXPO 2010 Shanghai and having lunch

**20.4 20 October, 2011**

13:30: Boarding bus at the lobby of Baolong Hotel

13:45 - 16:00: Touring around Fudan University including Jiangwan Campus

**21. Social Program (Free for the registered participants and the registered accompanying persons)**

**21.1 17 October, 2011:**

18:30-18:45 Boarding buses at the gate of Danyuan (Professor) Restaurant

18:45-21:00 Departing and Touring Pujiang River

**\*Please bring a coat with you in case of wind.**

**21.2 18 October, 2011:**

18:30-18:45 Boarding buses at the gate of Danyuan (Professor) Restaurant

18:45-21:00 Departing and Watching Acrobat performance

**21.3 20 October, 2011:**

18:30-21:00: Awarding and Banquet.

**21.4 21 October, 2011: City tour**

8:00-8:15: Boarding buses at the Lobbies of Training Center and Baolong Hotels

9:30-11:30 Ascending Oriental Pearl and touring museum of Old Shanghai

13:00: Having lunch at the down-town

13:30-18:00: Touring silk museum and Chenghuang Temple, and going shopping

18:00: Returning to Fudan University

18:30 - 17:30: Dining at 3<sup>rd</sup> Floor, Danyuan (Professor) Restaurant

## 22. POST-CONFERENCE TOUR

There are two routes for post-conference:

22 ~ 23 October, 2011

**Route 1:** Suzhou (蘇州) and Hangzhou (杭州)  
(Recommended for the first visitors to Shanghai) and the schedule is primarily as follows:

### 22 October, 2011

- 6:30 Morning call, having breakfast and check-out
- 07: 30 Departing for Hangzhou City (杭州) at the Lobby of Baolong Hotel
- 09: 00 Boating in West Lake
- 11: 00 Lunch
- 12: 30 Touring Su Bank (苏堤, 俗称苏公堤)
- 14:30 Touring Tiger Running Spring (虎跑泉)
- 17:30 Having dinner
- 18:30 Driving for Suzhou City and checking-in

### 23 October, 2011:

- 07: 30 Morning call, having breakfast and check-out
- 08: 30 Touring Hanshan Temple (寒山寺)
- 11: 30 Lunch
- 12: 30 Touring Hu Mountain (虎丘) and No. 1 Silk Factory of Suzhou
- 16: 00 Back for Shanghai
- Time back to Shanghai: 18:00 – 18:30
- 18:30-19:30: Dining at Professor Dining Room (教授餐厅), 3rd Floor of Danyuan Restaurant (旦苑餐厅三楼)  
(See page 5 for the address).

21 ~ 23 October, 2011

**Route 2:** Huang Mountain (黃山)  
(Recommended for the frequent visitors to Shanghai) and the schedule is primarily as follows:

### 21 October, 2011:

- 06:30 Morning call, having breakfast and check-out
- 07: 30 Departing for Huang Mountain
- 13:30 Lunch
- 14:00 Touring Chunxi Old Street
- 17:30 Dinner and checking-in

### 22 October, 2011:

Climbing to the top of Huang Mountain and accommodate at the top of Huang Mountain.

### 23 October, 2011:

Watch Sunrise and then going down from



West Lake (杭州西湖)



Greeting Pine (迎客松)



Sunrise of Huang Mountain  
(黃山日出)

Huang Mountain.

12: 00 Luch

13:00 Back for Shanghai

Time back to Shanghai: 18:00 – 18:30

18:30-19:30: Dining at Professor Dining Room (教授餐厅), 3rd Floor of Danyuan Restaurant (旦苑餐厅三楼) (See page 5 for the address).

### **23. ENSURANCE**

Please be sure to get oversea travel ensurance since the Organization Committee does not cover any ensurance for the participants and the accompanying persons.

### **24. INQUIRES**

If you have any questions or problems about the arrangement of the conference schedule, please contact the cochairman and he will be glad to assist you.

#### **Cochairman:**

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