

**15th IUPAC International Conference on Novel Materials
and their Synthesis (NMS-XV)**

6th-11th September, 2019
Shenyang, China

**To Celebrate 70th Anniversary of *Shenyang University of
Technology***

Last Circular



ORGANIZED BY:

Shenyang University of Technology
(www.sut.edu.cn)
Nanjing Tech University
(www.njtech.edu.cn)

SPONSORED BY:

International Union of Pure and Applied Chemistry
Ministry of Science and Technology, China
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School of Science, Shenyang University of Technology

www.nms-iupac.org

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1. Invitation

On behalf of the Organization Committee, it is our great pleasure to invite you to attend IUPAC 15th International Conference on Novel Materials and their Synthesis (NMS-XV), which is to be held during 6th – 11th September, 2019, which is mainly organized by Shenyang University of Technology, Shenyang, China.

Shenyang University of Technology (SUT: <http://english.sut.edu.cn/>) is located at Shenyang, Liaoning Province. It was founded in 1949 and It has 1 national key secondary discipline (Electrical Machines and Apparatus), 4 provincial first-class disciplines supported by the project of building top class universities in Liaoning Province (Electrical Engineering, Material Science and Engineering, Mechanical Engineering, Instrument Science and Technology) and 4 postdoctoral research stations of these disciplines, 5 Ph.D. programs in primary disciplines, 20 Master programs in primary disciplines. Facing the world with an open mind, SUT has established intercollegiate partnerships with 49 universities and colleges in the United States, Russia, Japan, Germany, United Kingdom, Australia, Korea, and Finland, etc. Many oversea students join SUT to pursue undergraduate, master's and doctoral degrees for developing their future careers.

Shenyang (<http://english.shenyang.gov.cn/index.shtml>) is known as the "Origin Place of Qing Dynasty and Capital of Two Emperors", and has a history of over 2,300 years. Now it has become the frontline of the reform and opening-up in Northeast of China. In the past, Shenyang was famous for its old industrial bases in China and its strong manufacturing industry. Now, Shenyang has established close cooperative relationships with famous companies from many countries in the world, including Japanese, Korean, German companies, etc. Shenyang, the wonderful and beautiful city, is holding out friendly hands waiting for your coming.

If you have other questions or problems, please contact us without any hesitation.

As our traditional habit of this Conference, we will provide free dining, and social programs for the participants during the Conference.

Sincerely yours,

Yuping Wu

On behalf of the cochairs of **IUPAC NMS-XV**

Prof. Sanxi Li, Prof. Fa-Nian Shi, Prof. Dongfeng Xue, Prof. Tao Tang & Prof. Yuping Wu

2. Organizing Committee

HONORARY CHAIRS

Profs. Yuzhong Wang, Hongjie Zhang

COCHAIRS

Prof. Sanxi Li, Prof. Fa-Nian Shi, Prof. Dongfeng Xue,
Prof. Tao Tang & Prof. Yuping Wu

GENERAL SECRETARY

Song Wang, Anbang Guo & Yuhang Zhang

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Ruke Bai, Hefei	Shaokui Cao, Zhengzhou
Fen'er Chen, Shanghai	Yuhui Chen, Nanjing
Zhen Zhao, Shenyang	Jianhua Dong, Beijing
Xiaochen Dong, Nanjing	Shibi Fang, Beijing
Xiaosheng Fang, Shanghai	Lijun Fu, Nanjing
Shoukuan Fu, Shanghai	Faming Gao, Qinhuangdao
Zhiyi Ge, Ningbo	Zhewen Han, Shanghai
Lijia Chen, Shenyang	Wenping Hu, Tianjin
Xiangdong Zhang, Shenyang	Fengwei Huo, Nanjing
Meiyu Huang, Beijing	Guoxin Jin, Shanghai
Ming Jiang, Shanghai	Xiangzheng Kong, Jinan
Lizhi Liu, Shenyang	Xiang Liu, Nanjing
Yinfeng Liu, Shanghai	Jin Yu, Shenyang
Linnan Zhang, Shenyang	Liming Tang, Beijing
Jianpu Wang, Nanjing	Ailing Zhang, Shenyang
Xing Zhang, Shenyang	Yunpu Wang, Lanzhou
Peiyi Wu, Shanghai	Xiongwei Wu, Changsha
Mujie Yang, Hangzhou	Shiyong Yang, Beijing
Guimei Shi, Shenyang	Rongben Zhang, Beijing
Youliang Zhao, Suzhou	Yusong Zhu, Nanjing

INTERNATIONAL ADVISORY BOARD

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G. Unger, UK	G.X. Wang, Australia
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C.Z. Yu, Australia	M. Yus, Spain
J.J. Zhang, Canada	P. Zugenmaier, Germany

3. Site and Period

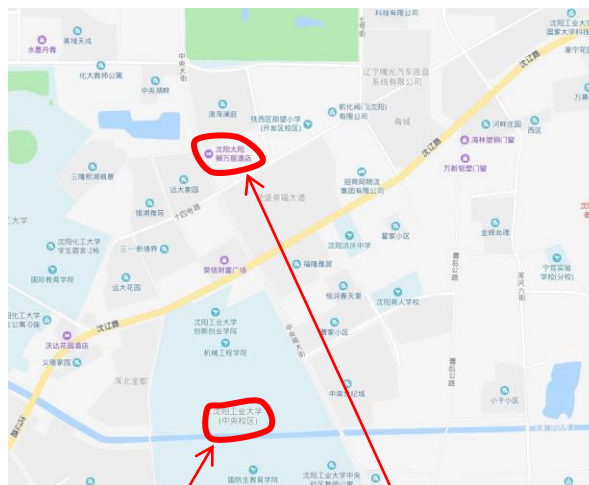
The Conference will be held at
Renaissance Shenyang West Hotel (RSWH), Shenyang

Address: No.27, Central Avenue,
Economic and Technological
Development Zone,
Shenyang, 110142 China
Tel: +86-24-31570000

Date: 06th-11th September, 2019

Participants will accommodate in
the above hotel during the Conference:

**We feel very sorry for the
above change of the Hotel,
and the price is the same.**



Conference sites (SUT & Renaissance Shenyang West Hotel)

VENUE

Renaissance Shenyang West Hotel (太阳狮万丽酒店) is located at the west part of Shenyang. The distances from the following places to the hotel and prices by taxi are as the following:

(A) Shenyang Taoxian Airport: 40 km, about 100 CNY by taxi for about 45 minutes.

There are staffs holding a board “**IUPAC NMS**” at the exits of the airport to pick up you free **if you tell us your arrival time before the end of August, 2019.**

(B) Shenyang North Railway Station: 26 km, about 80 CNY by taxi for about 60 minutes.

(C) Shenyang Railway Station: 20 km, about 40 CNY by taxi for about 40 minutes.

(D) Shenyang South Railway Station: 25 km, about 50 CNY by taxi for about 45 minutes.

There are several exits, and it is too complicated to arrange a pick-up. Please go to the Conference Site (Renaissance Shenyang West Hotel (太阳狮万丽酒店)) by yourself. Another choice is that you go to the Airport to find our pick-up staff so that you can take the free pick-up on 06th Sept., 2019.

4. Hotel and Check-In

(A) Hotel

Renaissance Shenyang West Hotel (太阳狮万丽酒店) is located at Central Avenue, Economic and Technological Development Zone, Shenyang, (沈阳经济技术开发区中央大街). It is the closest five-star hotel to Shenyang University of Technology (SUT) and the newest hotel near the University.

(B) 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.

5. Registration Site

Lobby of Renaissance Shenyang West Hotel (太阳狮万丽酒店).

Time: 06 Sept., 9:00 am to 21:00 pm

07 Sept., 8:00 am to 21:00 pm

08 Sept., 8:00 am to 21:00 pm

09 Sept., 8:00 am to 21:00 pm

10 Sept., 8:00 am to 14:00 pm

6. Dining Places

(a) Breakfast: Please take at the self-reserved hotels.

(b) Lunch, Dinner & Banquet:

At the assigned place, which will be announced in the Program Book upon registration desk.

7. Methods of Presentation

Plenary lectures (45 min 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” or “pptx”** since overhead projector is not available for this conference.

(2) In the case of poster presentation, the poster size will be 800 × 1000 mm, and they should be put-up on the walls in the Conference Room A before the PL lectures in the afternoon of 09th Sept., 2019. Double-sided tapes are available from the Organization Committee.

8. Sending .ppt or pptx 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 or pptx file.

9. Paper Publication

On behalf of the guest editorial member of **Arabian Journal for Science and Engineering**, we would like to invite you to contribute a paper to a special issue for this Conference. Please confirm your reply before the end of December, 2019. The submission deadline will be the end of January, 2020. If you have questions or problems, please contact with us or Prof. Dr. Bassam (Email: belali@kfupm.edu.sa, ajse@kfupm.edu.sa).

websites of the journal: <http://ajse.kfupm.edu.sa/>

and <http://www.springer.com/engineering/journal/13369>

Please contact the Cochair, Prof. Yuping Wu, in advance so that a good arrangement can be made.

10. Language

The official language of the Conferences is English.

11. Traveling Information and Free Pick-up

Shenyang City (沈阳) is the capital of Liaoning Province, China. It is very convenient to get there by Airline and there are plenty of High Speed Trains from Beijing, Shanghai, Nanjing, etc. You can go there by the following ways:

(A) Shenyang Taoxian International Airport:

Direct flight from many cities abroad or Transferring flights from every main domestic city like Beijing, Shanghai, Guangzhou, Hongkong, Shenzhen and so on.

There are staffs holding a board “**IUPAC NMS**” at the exits of the airport to pick up you free **on 06th Sept, 2019**. If you come earlier or later, please tell us your flight information so that we can arrange a staff to guide you to the Hotel and Conference Site.

(B) Shenyang North Railway Station, Shenyang Railway Station, Shenyang South Railway Station:

You can take trains from Beijing, Shanghai, Nanjing, Dalian or other cities.

There are several exits, and it is too complicated to arrange a pick-up. Please go to the Conference Site (Renaissance Shenyang West Hotel (太阳狮万丽酒店)) by yourself. Another choice is that you go to the Airport to find our pick-up staff so that you can take the free pick-up on **06th Sept, 2019**.

Please inform us timely your flight number, arrival time and the airport to the General Secretary of the Conference by email <nms@fudan.edu.cn>.

If you arrive in Shenyang before or after 06th Sept, 2019, the secretarial staff will also guide you to the Hotel according to your information if you need. Please also note the board “**IUPAC NMS**” at the exits of the Airport. The staff will help you to the Conference site.

If you miss our service in Shenyang, please take a taxi to the hotel by yourself. You may show the following rough map to the taxi driver.



INFORMATION

In the case of Japanese and Singaporeans, 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

12. Location for Conference Rooms

The Main Venue	Shenyang University of Technology (SUT)
Conference Room A	Renaissance Shenyang West Hotel (太阳狮万丽酒店)
Conference Room B	Renaissance Shenyang West Hotel (太阳狮万丽酒店)
Conference Room C	Renaissance Shenyang West Hotel (太阳狮万丽酒店)

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 on the

website of the Conference (www.nms-iupac.org) and send us by email (nms@fudan.edu.cn). In emergency, please send them to the Cochair, Prof. Yuping Wu by fax, mail or email.

In the event of cancellation of registration before 1st August, 2019, 80% of the registration fee will be refunded due to the refunding cost. After 2nd August, 2019, the registration fee will not be refunded. Your understanding will be greatly appreciated.

14. Accommodation & Payment

All hotel rooms are reserved and arranged by the Organization 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) by the end of August, 2019 since September is the busiest and wonderful season of Shenyang. 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 send us the required documents on the website of the Conference** (www.nms-iupac.org) and those items marked with asterisk are 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 Shenyang city is also a good place for sightseeing.

Since most taxi drivers cannot speak English, please show the map and they will take you to Renaissance Shenyang West Hotel (太阳狮万丽酒店). Cable internet and WiFi 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.

16. Climate

The weather in **Shenyang** is its best during the Conference and the temperature ranges between 15°C-26°C. An umbrella may be needed for you because it rains occasionally.

17. Conference Schedule & Sessions Arrangement

Date	Time	Activity	Location
Sept. 6, 2019 (Fri.)	9:00-11:30	Pick up / Registration	Airport / Lobby of Renaissance Shenyang West Hotel (RSWH)
	13:00-21:00		
	17:30-20:30	Buffet dinner	Shengjing B Banquet Hall (RSWH)
Sept. 7, 2019 (Sat.)	7:00-8:00	Breakfast	RSWH Cafeteria (at each hotel)
	8:00-11:30	Registration	Lobby of RSWH
	8:00-8:15	Bus to Shenyang University of Technology	Front door of RSWH
	8:30-9:00	Opening ceremony	Science hall of Shenyang University of Technology
	9:00-9:10	Taking Collective Photos	
	9:10-10:05	Plenary lecture 1	
	10:05-10:20	Coffee Break	

	10:20-11:05	Plenary lecture 2	Science hall of Shenyang University of Technology
	11:05-11:50	Plenary lecture 3	
	11:55-12:00	Bus to RSWH	In front of the Science hall
	12:00-13:30	Buffet lunch	RSWH Cafeteria
	14:00-15:30 15:30-15:50 15:50-17:30	KL, IL & OP Coffee break KL, IL & OP	Conference Rooms A, B and C of RSWH
	17:30-20:30	Buffet dinner	Shengjing B Banquet Hall (RSWH)
Sept. 8, 2019 (Sun.)	7:00-8:00	Breakfast	RSWH Cafeteria (at each hotel)
	8:30-10:00 10:00-10:20 10:20-11:30	KL, IL & OP Coffee break KL, IL & OP	Conference Rooms A, B and C of RSWH
	11:30-13:30	Buffet lunch	RSWH Cafeteria
	14:00-15:30 15:30-15:50 15:50-17:30	KL, IL & OP Coffee break KL, IL & OP	Conference Rooms A, B and C of RSWH
	17:30-20:30	Buffet dinner	Shengjing B Banquet Hall (RSWH)
	Sept. 9, 2019 (Mon.)	7:00-8:00	Breakfast
8:30-9:50 9:50-10:10 10:10-11:30		KL, IL & OP Coffee break KL, IL & OP	Conference Rooms A, B and C of RSWH
11:30-13:30		Buffet lunch	Shengjing B Banquet Hall (RSWH)
13:30-13:45		Bus to Shenyang University of Technology	Front door of RSWH
14:00-14:45 14:45-15:30		Plenary lecture 4 Plenary lecture 5	Science hall of Shenyang University of Technology
15:30-15:50		Coffee Break	
15:50-17:30		Poster session	Lobby of Library
17:30-18:00		Bus to RSWH	In front of the Science hall
18:00-20:30		Buffet dinner	Shengjing B Banquet Hall (RSWH)
Sept. 10,	7:00-8:00	Breakfast	RSWH Cafeteria (at each hotel)

2019 (Tues.)	8:30-10:00 10:00-10:20 10:20-11:30	KL, IL & OP Coffee break KL, IL & OP	Conference Rooms A, B and C of RSWH
	11:30-13:30	Buffet lunch	Shengjing B Banquet Hall
	14:00-15:20 15:20-15:40 15:40-17:30	KL, IL & OP Coffee break KL, IL & OP	Conference Rooms A, B and C of RSWH
	17:30-20:30	Banquet	Shengjing B Banquet Hall
	Sept. 11, 2019 (Wed.)	7:00-8:30	Breakfast
8:30-12:00		City Excursion	Taking bus at RSWH
12:00-13:00		lunch	
13:00-17:00		City Excursion	
17:30-20:00		dinner	At RSWH

Symposiums Arrangement

	The Main Venue	Conference Room A	Conference Room B	Conference Room C
07 a.m.	Opening Ceremony and Plenary Lectures	/		
07 p.m.	/	Symp. A	Symp. J	Symp. C
		Symp. B	Symp. D	Symp. C
08 a.m.	/	Symp. B	Symp. D	Symp. F
		Symp. E	Symp. G	Symp. F
08 p.m.	/	Symp. E	Symp. D	Symp. I
		Symp. E	Symp. D	Symp. C
09 a.m.	/	Symp. E	Symp. D	Symp. C&F
		Symp. E	Symp. D	Symp. F
09 p.m.	Plenary Lectures and Poster Sessions	/		
10 a.m.	/	Symp. E	Symp. D	Symp. F
		Symp. E	Symp. D	Symp. F
10 p.m.	/	Symp. H	Symp. D	Symp. F
		Symp. L	Symp. K	Symp. F
		Symp. L	Symp. K	/

Sessions Arrangement

Session	Topic	Conference Room	Time
Session 01	Advanced Functional Materials	The Main Venue	9:10-10:05, Sept. 7
Session 02	Advanced Functional Materials	The Main Venue	10:20-11:50, Sept. 7
Session 03	Advanced Biomaterials	A	14:00-15:30, Sept. 7
Session 04	Advanced Fine Chemicals	A	15:50-17:20, Sept. 7
Session 05	Advanced Materials	B	14:00-15:20, Sept. 7
Session 06	Advanced Energy Materials	B	15:40-17:20, Sept. 7
Session 07	Advanced Functional Polymers	C	14:00-15:20, Sept. 7
Session 08	Advanced Functional Polymers	C	15:40-17:30, Sept. 7
Session 09	Advanced Fine Chemicals	A	8:30-10:00, Sept. 8
Session 10	Advanced Nano Materials	A	10:20-11:30, Sept. 8
Session 11	Advanced Energy Materials	B	8:30-9:50, Sept. 8
Session 12	Advanced Carbon-based Materials	B	10:10-11:30, Sept. 8
Session 13	Advanced Functional Materials	C	8:30-9:50, Sept. 8
Session 14	Advanced Functional Materials	C	10:10-11:20, Sept. 8
Session 15	Advanced Nano Materials	A	14:00-15:20, Sept. 8
Session 16	Advanced Functional Materials	A	15:40-17:30, Sept. 8
Session 17	Advanced Energy Materials	B	14:00-15:30, Sept. 8
Session 18	Advanced Energy Materials	B	15:50-17:30, Sept. 8
Session 19	Advanced Energy Materials	C	14:00-15:10, Sept. 8
Session 20	Advanced Functional Polymers	C	15:30-17:10, Sept. 8
Session 21	Advanced Functional Materials	A	8:30-9:50, Sept. 9
Session 22	Advanced Functional Materials	A	10:10-11:30, Sept. 9
Session 23	Advanced Energy Materials	B	8:30-9:50, Sept. 9.
Session 24	Advanced Energy Materials	B	10:10-11:20, Sept. 9.
Session 25	Advanced Functional Materials	C	8:30-9:50, Sept. 9
Session 26	Advanced Functional Materials	C	10:10-11:20, Sept. 9
Session 27	Advanced Functional Materials	The Main Venue	14:00-15:30, Sept. 9
Session 28	Poster Session	Lobby of Library	15:50-17:30, Sept. 9
Session 29	Advanced Nano Materials	A	8:30-9:50, Sept. 10
Session 30	Advanced Nano Materials	A	10:10-11:40, Sept. 10
Session 31	Advanced Energy Materials	B	8:30-9:50, Sept. 10
Session 32	Advanced Energy Materials	B	10:10-11:30, Sept. 10
Session 33	Advanced Functional Materials	C	8:30-10:00, Sept. 10
Session 34	Advanced Functional Materials	C	10:20-11:30, Sept. 10
Session 35	Novel Eco-friendly Materials	A	14:00-15:00, Sept. 10
Session 36	Advanced Coating Materials	A	15:00-15:30, Sept. 10
Session 37	Advanced Coating Materials	A	15:50-17:10, Sept. 10
Session 38	Advanced Energy Materials	B	14:00-15:20, Sept. 10
Session 39	Advanced Characterization Methods	B	15:40-16:20, Sept. 10
Session 40	Advanced Characterization Methods	B	16:20-17:20, Sept. 10
Session 41	Advanced Functional Materials	C	14:00-15:20, Sept. 10
Session 42	Advanced Functional Materials	C	15:40-17:00, Sept. 10

18. Scientific Program

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

Morning, Sept. 7, 2019

Location: Scientific Hall of Shenyang University of Technology

Time	Activity
8:30-9:00	Opening Ceremony
9:00-9:10	Taking Collective Photos

Session 01: Advanced Functional Materials

Chair: Yuzhong Wang

Time	No.	Speaker	ID NO.	Title
9:10-10:05	PL1	Hongjie Zhang	2019-197	Lanthanide-doped Upconversion Nanomaterials: From Design to Application of Sensing and Theranostics
10:05-10:20	Coffee Break			

Session 02: Advanced Functional Materials

Chair: Hongjie Zhang

Time	No.	Speaker	ID NO.	Title
10:20-11:05	PL2	Masahiro Yamashita	2019-173	Quantum Molecular Spintronics Based on Single-Molecule Magnets: Single-Molecule Memory and MOF-Spintronics
11:05-11:50	PL3	Udo Schwingenschlogl	2019-101	Obstacles and possible solutions on the way to valley-polarized 2D materials
11:55-12:00	Bus back to the Hotel.			
12:00-13:30	Lunch at the Hotel.			

Afternoon, Sept. 7, 2019

Session 03: Advanced Biomaterials

Location: Conference Room A

Symposium A

Chair: Satoru Hiroto

Hans-Joachim Knölker

Time	No.	Speaker	ID NO.	Title
14:00-14:30	01-KL	Xing Zhang	2019-201	Bio-inspired Polymeric Heart Valves Exhibiting Valve-like Mechanical and Hemodynamic Behavior

14:30-14:50	02-IL	Wei Geng	2019-182	Click-reaction for Reversible Encapsulation of Single Yeast Cells
14:50-15:10	03-IL	Yanzhong Zhang	2019-203	Stable Jet Electrospinning Enabled Generation of Highly-aligned Fibers for Engineering Anisotropic Tissues
15:10-15:20	04-OP	Yang Liu	2019-070	Application of the Polyethylenimine Modified Corncob Derived Activated Carbon for the Removal of Cr (VI)
15:20-15:30	05-OP	Jincan Wang	2019-068	Synthesis of Non-isocyanate Polyurethane Using Soybean Oil Derived Cyclic Carbonate
15:30-15:50	Coffee Break			

Session 04: Advanced Fine Chemicals

Location: Conference Room A

Symposium B

Chair: Xing Zhang

Wei Geng

Time	No.	Speaker	ID NO.	Title
15:50-16:20	06-KL	Satoru Hiroto	2019-034	Synthesis and Redox Switching Properties of Nitrogen-containing Three-dimensional π -conjugated Molecules
16:20-16:50	07-KL	Hans-Joachim Knölker	2019-052	Recent Applications of Transition Metal Catalysis
16:50-17:00	08-OP	Mingdong Zhou	2019-210	Transition-metal Catalyzed Meta-selective CH Functionalization of Arenes
17:00-17:10	09-OP	Sunbo Wang	2019-137	Synthesis of Non-isocyanate Polyurethane Using Five Membered Cyclic Carbonate
17:10-17:20	10-OP	Xianrui Yang	2019-179	Preparation and application of non-isocyanate polyurethane materials
17:30-20:30	Dinner			

Afternoon, Sept. 7, 2019

Session 05: Advanced Materials

Location: Conference Room B

Symposium J and D

Chair: Yoshitsugu Kojima

Weixin Zhang

Time	No.	Speaker	ID NO.	Title
14:00-14:30	01-KL	Faming Gao	2019-020	Acetylcholinesterase-based electrochemical biosensors for sensitive detection of organophosphate pesticides
14:30-15:00	02-KL	Hiroki Miyaoka	2019-086	Nitrogen Dissociation and Pseudo Catalytic Ammonia Synthesis by Lithium Alloy
15:00-15:20	03-IL	Eric-Ying Wang	2019-134	A Brief Introduction of Wiley Journals and Open the Editor's Black-box

15:20-15:40	Coffee Break
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Session 06: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Hiroki Miyaoka

Faming Gao

Time	No.	Speaker	ID NO.	Title
15:40-16:10	04-KL	Weixin Zhang	2019-200	High-Capacity Cathode Materials for Advanced Lithium Ion Batteries: Microstructure Design and Performance Modulation
16:10-16:30	05-IL	Yoshitsugu Kojima	2019-053	Ni-MH Battery Using LaNi ₅ -Type Alloy with High Dissociation Pressure
16:30-16:50	06-IL	Tseung-Yuen Tseng	2019-129	Flexible Graphene-Based Films Fabrication for Symmetric Supercapacitor Application
16:50-17:00	07-OP	Yanqiang Li	2019-074	2D Nanoplate Composed 3D Porous Carbon as Efficient Oxygen Catalysts for Zn-air Batteries
17:00-17:10	08-OP	Wenqi Yan	2019-159	A Cellulose-Based Gel Electrolyte Enables Dendrite-Free Li-Metal Battery with Ultra-High-Rate Capability
17:10-17:20	09-OP	Ying Kang	2019-107	The lamellar morphology of Ce-Co-MOF/G as a Prospective Anode for Lithium-Ion Batteries
17:30-20:30	Dinner			

Afternoon, Sept. 7, 2019

Session 07: Advanced Functional Polymers

Location: Conference Room C

Symposium C

Chair: Changchun Wang

Eamor Woo

Time	No.	Speaker	ID NO.	Title
14:00-14:30	01-KL	Hu Yan	2019-174	Thermoelectric Properties of PEDOT/PSS-HNTs Thin Films
14:30-15:00	02-KL	Takeharu Haino	2019-029	Chiral Molecular Recognition in Dissymmetric Space of Supramolecular Assemblies
15:00-15:20	03-IL	Hendrik Oktendy Lintang	2019-079	Supramolecular Phosphorescent Metal Complexes for Vapochromic Chemosensors of Alcohols
15:20-15:40	Coffee Break			

Session 08: Advanced Functional Polymers

Location: Conference Room C

Symposium C

Chair: Takeharu Haino

Hu Yan

Time	No.	Speaker	ID NO.	Title
15:40-16:10	04-KL	Eamor Woo	2019-144	Mechanisms of Lamellar Assembly by Tracking with Cracks in Crystallized Polyesters
16:10-16:40	05-KL	Changchun Wang	2019-133	Design and Fabrication of Polymer Photonic Crystal Films
16:40-17:10	06-KL	Maiko Okajima	2019-047	Ultra-anisotropic Hydrogels of Cyanobacterial Megamolecules
17:10-17:20	07-OP	Ailing Zhang	2019-066	Electrical and Mechanical Properties of PMMA/PEO doping Liquid Crystal Ionomer interlaced into Montmorillonite Solid Polymer Electrolytes
17:20-17:30	08-OP	Haiying Tan	2019-120	Photonic Elastomers with Self-Healing Capability and Angle-Independent Color
17:30-20:30	Dinner			

Morning, Sept. 8, 2019

Session 09: Advanced Fine Chemicals

Location: Conference Room A

Symposium B

Chair: Xiaoyu Yang

Kuniharu Ijio

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Makoto Shimizu	2019-114	Exploration into New Synthetic Reactions Based on the Multi-Step Reactions with α -Iminoesters
9:00-9:30	02-KL	Hidehiro Sakurai	2019-100	Morphology Effect on Metal Nanoparticle and Organic Polymer Composite
9:30-10:00	03-KL	Martin Vacha	2019-131	Single-particle Spectroscopy of Perovskite Nanocrystals and Organic Semiconductors: Selective Charge Recombination and Blinking as Key Electroluminescence Efficiency Factors
10:00-10:20	Coffee Break			

Session 10: Advanced Nano Materials

Location: Conference Room A

Symposium E

Chair: Makoto Shimizu

Hidehiro Sakurai

Time	No.	Speaker	ID NO.	Title
10:20-10:50	04-KL	Xiaoyu Yang	2019-180	Hierarchically Structured Nanomaterials and Their Spatial Cascade Effect
10:50-11:20	05-KL	Kuniharu Ijio	2019-038	Self-Assembly of Rod-Shaped Au Nanoparticles and those Plasmonic Functions
11:20-11:30	06-OP	Xun Feng	2019-015	Enhance Luminescence and Magnetic Properties of Lanthanide Coordination Polymers Based on Fluorine Substituted Ligand
11:30-13:30	Lunch			

Morning, Sept. 8, 2019

Session 11: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Talat Shahnaz Rahman

Shinya Hayami

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Bin Zhu	2019-212	Advanced Energy Conversion and Storage Technologies by Semiconductors
9:00-9:30	02-KL	Jun Zhou	2019-209	Water-Evaporation Induced Electricity from Nanostructured Carbon Film

9:30-9:50	03-IL	Toshihiro Miyao	2019-033	Effect of Surface Geometric Structure of Carbon Support for Suppression of Pt-Migration on FCV-Electrode
9:50-10:00	Coffee Break			

Session 12: Advanced Carbon-based Materials

Location: Conference Room B

Symposium G

Chair: Bin Zhu

Toshihiro Miyao

Time	No.	Speaker	ID NO.	Title
10:00-10:30	04-KL	Talat Shahnaz Rahman	2019-098	Defect-laden 2D Materials for Conversion of Syn Gas to Higher Alcohols: Theory Meets Experiments
10:30-11:00	05-KL	Shinya Hayami	2019-032	Graphene Oxide as a Super Material
11:00-11:20	06-IL	Jiang Gong	2019-025	Controlled Carbonization of (Waste) Polymers into Carbon Materials
11:20-11:30	07-OP	Nan Si	2019-214	Magnetic and thermodynamics properties graphene monolayer with defects
11:30-13:30	Lunch			

Morning, Sept. 8, 2019

Session 13: Advanced Functional Materials

Location: Conference Room C

Symposium F

Chair: Minari Takeo

Suguru Ito

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Wilfrid Prellier	2019-097	Functional Oxide Thin Films for Applications in Electronic and Health
9:00-9:30	02-KL	Shu Yin	2019-186	Morphology Control and Characterization of Nitride and Oxynitride Based Materials
9:30-9:50	03-IL	Zhigang Wu	2019-167	The Eutectic Dual-Phase Microstructure Design towards Superior Mechanical Performance of Ferromagnetic Shape Memory Alloys
9:50-10:10	Coffee Break			

Session 14: Advanced Functional Materials

Location: Conference Room C

Symposium F

Chair: Wilfrid Prellier

Shu Yin

Time	No.	Speaker	ID NO.	Title
10:10-10:40	04-KL	Minari Takeo	2019-084	Fabrication of Flexible Devices using Printed Electronics

10:40-11:00	05-IL	Suguru Ito	2019-040	Directional Control over the Mechanochromic Luminescence of Organic Fluorophores
11:00-11:20	06-IL	Vaidotas Kazukauskas	2019-051	Commercial Situation of Organic Photovoltaics and Underlying Fundamental Physical Phenomena of Charge Transport
11:30-13:30	Lunch			

Afternoon, Sept. 8, 2019

Session 15: Advanced Nano Materials

Location: Conference Room A

Symposium E

Chair: John Bell

Jiguang Li

Time	No.	Speaker	ID NO.	Title
14:00-14:30	07-KL	Satoshi Ohara	2019-094	Synthesis of Tailor-Made Ceramic Nanocrystals by Organic Ligand-Assisted Hydrothermal Method towards Energy and Environmental Applications
14:30-15:00	08-KL	Katsuaki Konishi	2019-056	Coordinated Gold Clusters in The Subnanometer Regime
15:00-15:20	09-IL	Guoqing Wang	2019-037	Controlled Seeded Growth of Au Nanoplates for Hierarchical Nanostructures
15:20-15:40	Coffee Break			

Session 16: Advanced Functional Materials

Location: Conference Room A

Symposium E

Chair: Satoshi Ohara

Guoqing Wang

Time	No.	Speaker	ID NO.	Title
15:40-16:10	10-KL	Jiguang Li	2019-063	Layered Rare-Earth Hydroxide for Advanced Oxide and Oxysulfide Ceramic Materials
16:10-16:40	11-KL	John Bell	2019-004	Low Dimensional Carbon Nanothreads – Background and Theoretical Investigations
16:40-17:00	12-IL	Jie Ying	2019-184	Highly Dispersed PtCo Nanoparticles in Hollow Porous Carbon Capsules As a Highly Active and Durable Catalyst for Oxygen Reduction Reaction
17:00-17:20	13-IL	Yi Lu	2019-183	Heterojunction of Oxygen and Titanium Vacancies in TiO ₂ @rGO-based Nanostructure for Enhancement of the Carrier Transport
17:20-17:30	14-OP	Renjie Liu	2019-069	Preparation of Montmorillonite Nanosheets by Gas Phase exfoliation method
17:30-20:30	Dinner			

Afternoon, Sept. 8, 2019

Session 17: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Rudolf Holze

Feng Li

Time	No.	Speaker	ID NO.	Title
14:00-14:30	08-KL	Xiuli Wang	2019-139	Novel Ionic Liquids for Flame Retarded Epoxy Resin and Lithium Ion Batteries
14:30-15:00	09-KL	Masaru Aniya	2019-001	Ionic and Electronic Transport Properties in Structurally Disordered Silver Chalcogenides
15:00-15:30	10-KL	Michihisa Koyama	2019-058	Theoretical Design of Novel Solid-solution Alloy
15:30-15:50	Coffee Break			

Session 18: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Xiuli Wang

Masaru Aniya

Time	No.	Speaker	ID NO.	Title
15:50-16:20	11-KL	Xianxiang Zeng	2019-028	Interfacial Study of Cathode-Electrolyte in Solid Lithium Metal Batteries
16:20-16:50	12-KL	Feng Li	2019-219	Carbon for Reliable Lithium-Sulfur Batteries
16:50-17:10	13-IL	Rudolf Holze	2019-035	Material Science in Supercapacitors: Composites of Intrinsically Conducting Polymers and Metal Oxides as Electrode Materials
17:10-17:20	14-OP	Guangxin Pan	2019-108	Fabrication of copper phosphonate /graphene composites as anodes for lithium ion batteries
17:20-17:30	15-OP	Ting Huang	2019-158	Promoting Electrocatalytic Nitrogen Reduction to Ammonia via Iron-Boosting Nitrogen Activation on MnO ₂ Surfaces
17:30-20:30	Dinner			

Afternoon, Sept. 8, 2019

Session 19: Advanced Energy Materials

Location: Conference Room C

Symposium I

Chair: Tatsuo Kaneko

Elena Tarabukina

Time	No.	Speaker	ID NO.	Title
14:00-14:30	07-KL	Zhen Zhao	2019-208	Design, Preparation of Novel Macroporous Materials and Their Applications in Catalysis
14:30-14:50	08-IL	Katsushi	2019-018	Role of Island-like NiO Photoelectrochemical

		Fujii		Catalyst on n-type GaN for Water Oxidation
14:50-15:10	09-IL	Qingsheng Gao	2019-023	Molybdenum Carbide and Sulfide Electrocatalysts: From Hydrogen Evolution to Hydrogenation
15:10-15:30	Coffee Break			

Session 20: Advanced Functional Polymers

Location: Conference Room C

Symposium C

Chair: Zhen Zhao

Katsushi Fujii

Time	No.	Speaker	ID NO.	Title
15:30-16:00	10-KL	Tatsuo Kaneko	2019-046	Photo-induced Degradation in Bioplastics for Protecting Marine Environments
16:00-16:20	11-IL	Elena Tarabukina	2019-122	Behavior in Solutions and Thermosensitivity of Hybrid Amphyphilic Polymer Brushes
16:20-16:40	12-IL	Takehiro Hirao	2019-030	Supramolecular Polymers Formed by Molecular Association of Bisporphyrin and Trinitrofluorenone
16:40-16:50	13-OP	Yanheng Xu	2019-171	Controllable Preparation of Graphitic Carbon Nitride with Enhanced Photocatalytic Degradation Activity
16:50-17:00	14-OP	Chengcheng Tian	2019-124	Study on the Performance of Supported Catalysts for Esterification
17:00-17:10	15-OP	Yang Li	2019-073	Effect of Pyrolysis atmosphere on Synthesis of Boron Carbide from Glycerol and Boric Acid
17:30-20:30	Dinner			

Morning, Sept. 9, 2019

Session 21: Advanced Functional Materials

Location: Conference Room A

Symposium E

Chair: Fabien Silly

Meifang Zhu

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Ziqi Sun	2019-118	Rational Design of Metal Oxide Nanomaterials for Sustainable Energy Applications
9:00-9:30	02-KL	Takayoshi Nakamura	2019-087	Supramolecular Crystals for Molecular Electronic Materials
9:30-9:50	03-IL	Chunxia Li	2019-059	Multifunctional Theranostic Nanoplatfoms for Biomedical Applications
9:50-10:10	Coffee Break			

Session 22: Advanced Functional Materials

Location: Conference Room A

Symposium E

Chair: Takayoshi Nakamura

Ziqi Sun

Time	No.	Speaker	ID NO.	Title
10:10-10:40	04-KL	Fabien Silly	2019-116	Engineering Two-Dimensional Porous Hybrid Organic-Ionic Compound Nanoarchitectures on Au (111)
10:40-11:10	05-KL	Meifang Zhu	2019-213	Design and Synthesis of Novel Organic/Inorganic (O/I) Nanohybrids for Dental Restorative Application
11:10-11:30	06-IL	Gaoling Yang	2019-176	Band Gap Engineering Improves the Efficiency of Double Quantum Dot Upconversion Nanocrystals
11:30-13:30	Lunch			

Morning, Sept. 9, 2019

Session 23: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Takashi Itoh

Wen Yang

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Qinmin Pan	2019-095	Self-Healing Energy-Storage Devices and Related Materials
9:00-9:30	02-KL	Yulong Liu	2019-081	Interface Study for Oxide Solid Electrolyte
9:30-9:50	03-IL	Kai Jiang	2019-043	Metal-free Hetero-atom Doped Carbons for High Performance Supercapacitors
9:50-10:10	Coffee Break			

Session 24: Advanced Energy Materials**Location: Conference Room B****Symposium D**

Chair: Yulong Liu

Qinmin Pan

Time	No.	Speaker	ID NO.	Title
10:10-10:40	04-KL	Takashi Itoh	2019-041	In Situ Spectroscopic Study for Zinc Electrodes in Highly Concentrated Alkaline Solutions
10:40-11:00	05-IL	Wen Yang	2019-178	Strategies for Polysulfide Fast Conversion in Lithium Sulfur Batteries and Research on Solid-State Lithium-Sulfur Batteries
11:00-11:20	06-IL	Yi Zhang	2019-155	Li ₃ VO ₄ /MXene Composite as Anode for Fast-Charging Lithium-Ion Battery
11:30-13:30	Lunch			

Morning, Sept. 9, 2019**Session 25: Advanced Functional Materials****Location: Conference Room C****Symposium C and F**

Chair: Jianggao Mao

Xuefeng Zhang

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Toshiki Aoki	2019-002	Application of Highly Selective Photocyclicaromatization of cis-cisoidal Poly(substituted phenylacetylene)s
9:00-9:20	02-IL	Xuecheng Chen	2019-009	Recycling of Plastic waste and Potential Application in Energy Storage
9:20-9:50	03-KL	Heinz Berke	2019-005	Material Science in Ancient China – Synthesis and Corrosion of Barium Lead Silicate Glass
9:50-10:10	Coffee Break			

Session 26: Advanced Functional Materials**Location: Conference Room C****Symposium F**

Chair: Heinz Berke

Toshiki Aoki

Time	No.	Speaker	ID NO.	Title
10:10-10:40	04-KL	Xuefeng Zhang	2019-202	Core-Shell Nanocapsules with Substitutional Heteroatoms in Graphitic Shells for Improving Microwave Absorption at Gigahertz Frequencies
10:40-11:10	05-KL	Jianggao Mao	2019-083	New SHG Materials Based on Oxyanions of Lone Pair Cations

11:10-11:20	06-OP	Guanting Chen	2019-067	Tartaric Acid Assisted Synthesis of High Purity Rhomboid Boron Carbide Powder From Condensed Poly (vinyl alcohol)-boric Acid Product
11:30-13:30	Lunch			

Afternoon, Sept. 9, 2019

Session 27: Advanced Functional Materials

Location: Scientific Hall of Shenyang University of Technology

Chair: Sanxi Li

Time	No.	Speaker	ID NO.	Title
14:00-14:45	PL4	Chuncaai Yang	2019-175	Effects of Sizing Agents, Resins and Curing System on Carbon Fiber and Its ILSS of Composites
14:45-15:30	PL5	Rengen Xiong	2019-169	Great Advance in Molecular Ferroelectrics
15:30-15:50	Break			

Session 28: Poster Session

Exhibition site: The Lobby of Library (2nd floor)

Please put up the posters on the walls by using double-sided tapes provided by the Organization Committee during the Break.

Time: 15:50-17:30, 9th Sept., 2019

Chairs: Rudolf Holze, Sanxi Li, Yuying Wu

NO.	Presenter	ID NO.	Title
P1	Kun Wang	2019-012	Towards Fibrin-Silane Hybrid Biomaterials
P2	Yasuyoshi Funahashi	2019-050	Water-Solubilization/Desolubilization of High-Performance Biopolyamides
P3	Yupeng Tian	2019-126	Multiphoton Absorption Materials: From Design Toward Bioimaging and Therapy
P4	Takumi Noda	2019-048	Synthesis of Biopolyamides from 4-Aminocinnamoyl Photodimers with Different Bending Angles
P5	Yuying Li	2019-076	Corrosion Inhibition of LY12CZ Aluminum Alloy by Vanillin L-lysine and Salicylaldehyde L-lysine Schiff Base
P6	Yongjiang Li	2019-075	Electrochemical and Interfacial Properties of Acrylic Acid and Acrylamide Electropolymerized on Carbon Fiber
P7	Yuechao Zhao	2019-207	Constructing a Copper Gradient Absorption Layer to Improve the Performance of CZTS _{Se} Solar Cells
P8	Jinjuan Xing	2019-168	Fabrication of a Novel Cobalt-based Complex and Its Derivatives as Active Materials for Supercapacitors
P9	Jiacheng Yin	2019-185	High Performance MnO ₂ /TiN Composite Material as

			Electrode for Supercapacitor
P10	X.M. Cui	2019-096	Boosting Energy-Storage Performances of Sulfur Microparticles via Self-Healable Polydimethylsiloxane Nanolayers
P11	Fuxiang Ma	2019-164	A New Long Life and Ultrahigh Rate Cathode of Nickel Hexacyanoferrate for Aqueous Zinc Sodium Hybrid Batteries
P12	Tianyi Ma	2019-161	Ager Gel Electrolyte Conducted High-Performance Aqueous Zn/V ₂ O ₅ Battery
P13	Daqian Ruan	2019-163	Size Controlled Zeolitic Imidazole Ester Synthesis Application of Frame/Carbon Nanotube Composite in Lithium-Sulfur Battery
P14	Chuanchao Sheng	2019-166	SnS ₂ /N-rGO as a Stable Anode Material for Potassium-Ion Batteries
P15	Tao Xu	2019-165	A Safe and High-Rate Lithium-Ion Battery Anode Using GNs Supported Li ₃ VO ₄
P16	Zhiyong Gao	2019-024	The Role of Fe Cations in Electrolyte on Oxygen Evolution Catalytic Activity of Ni(OH) ₂ Electrode
P17	Jinda Bai	2019-103	One Step Hydrothermal Synthesis of CuMo ₃ O ₁₀ ·H ₂ O for Lithium Ion Battery and Photocatalytic Applications
P18	Yanfang Duan	2019-105	Hydrothermal Synthesis of Copper Particles Mediated by A Multidentate Organic Ligand (Pmida)
P19	Pengbin Huang	2019-106	The Synthesis of Multi-metal MOF Materials and their Properties of Lithium Ion Batteries
P20	Yuichi Negishi	2019-092	Precise Synthesis of Platinum and Alloy Clusters and Elucidation of their Structures
P21	Jinjian Wei	2019-039	Vesicle Formation via Self-assembly of Gold Nanoparticles Covered with Carboxylic Acid-Terminated Ligands
P22	Fan Zhang	2019-057	Structures and Optical Properties of Au ₁₃ Clusters Coordinated by Bidentate Ligands
P23	Chi-Wen Lin	2019-078	Morphology Control of Graphene Oxide/Polyaniline Nanocomposites via in-situ Polymerization Process
P24	Youcai Sun	2019-162	Construction of Carbon Dots Modified g-C ₃ N ₄ /NCDs Z-scheme Photocatalyst with Enhanced Visible-Light Photocatalytic Activity
P25	Juan Wen	2019-160	Boosting Electrocatalytic Nitrogen Fixation on Co ₃ O ₄ @CNT Nanocable under Ambient Conditions
P26	Richard Walton	2019-132	Solution Synthesis of Oxide Materials: Novel Substitutional Chemistry for Oxygen Storage Properties

P27	Xianzhu Zhong	2019-049	Syntheses of Bio-Based and Wholly-Aromatic Benzazoles with High Thermoresistance and Insulation Performance
P28	Yanan Wang	2019-141	Design, Synthesis and Conductivity Application of TiO ₂ -Based Functional Composites
P29	Zijian Diao	2019-088	Hybrid Materials Based on Transition Metal Oxalate Coordination Polymers with Supramolecular Structure
P30	Naohiro Hasuo	2019-089	Synthesis and Crystal Structure of [Ni(dmit) ₂] Salts with Chiral Supramolecular Cations
P31	Yuta Takahashi	2019-090	Semiconducting of [Ni(dmit) ₂] Crystals with [2.2.2] Cryptand Supramolecular Cation
P32	Shentong Tian	2019-125	The One-step Synthesis of Ni@CN/SiC Nanocomposites for Wide-band Microwave Absorption
P33	Long Ji	2019-042	Preparation and dielectric properties of aluminum-doped silicon carbide powder
P34	Di Yu	2019-189	Microwave Absorption Properties of Ni@C Nanofiber Composites
P35	Fang Liang	2019-077	Photocatalytic Degradation of Imidacloprid by Bi _{12.71} Co _{0.3} O _{19.35} under Different pH Values
P36	Xiaolu Yuan	2019-195	Wet Chemical Preparation and Luminescence Properties of Novel Layered Rare Earth Hydroxides
P37	Sijia Yu	2019-192	Preparation of Cu-BTC and Catalytic Claisen-Schmidt Reaction
P38	Tianyu Chu	2019-010	The Electronics Structure and Magnetic Properties of 2D Nano Material WS ₂ Doped with Transition Metal Atoms
P39	Min Yuan	2019-194	Understanding the Characteristics of Water Adsorption in Zeolitic Imidazolate Framework-derived Porous Carbon Materials
P40	Shangfeng Wu	2019-146	The Surface Treatment of Carbon Fiber
P41	Dengbin Yu	2019-188	SELF-POWER BIOSENSOR BASED ON MICROBIAL FUEL CELL OF ON-LINE MONITORING FOR WATER TOXICITY
P42	Qianling Zhang	2019-199	Induction of High Oxygen Evolution Activity of Co _{3-x} O _{4-δ} Porous Nanosheet Arrays by Tetrahedral CoO ₄ Vacancies
P43	Hideyuki Nakano	2019-091	Mechano- and Photoresponsive Behavior of a Bis(cyanostyryl)benzene Fluorophore
P44	Guoqiang Li	2019-199	Preparation and Formation Mechanism of Copper Incorporated Micro-arc Oxidation Coatings Developed on Ti-6Al-4V Alloys

P45	Xiaoting Shi	2019-113	Corrosion Resistance and Biocompatibility of Calcium-Containing Coatings Developed in Near-Neutral Solutions Containing Phytic Acid and Phosphoric Acid on Biodegradable AZ31B Alloy
P46	Baoming Guo	2019-027	Interface and Corrosion Resistance of NBR/Metal Foam Composite Sealing Material

Morning, Sept. 10, 2019

Session 29: Advanced Nano Materials

Location: Conference Room A

Symposium E

Chair: Jijun Zhao

Dapeng Wu

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Zhongyong Yuan	2019-196	Nanostructured Nobel Metal-Free Carbon-Based Hybrid Materials for Efficient Electrocatalytic Reactions
9:00-9:20	02-IL	Rolandas Tomasiunas	2019-128	Blue, Cyan and Green InGaN/GaN LEDs: Investigation of Differential Charge Carrier Lifetime under Working Conditions
9:20-9:40	03-IL	Zhuopeng Wang	2019-143	A General Approach for the Syntheses of Zeolite Nanocrystals
9:40-9:50	04-OP	Qipeng Lu	2019-082	Crystal Phase-Based Epitaxial Growth of Noble Metal Nanostructures
9:50-10:00	Coffee Break			

Session 30: Advanced Nano Materials

Location: Conference Room A

Symposium E

Chair: Rolandas Tomasiunas

Zhongyong Yuan

Time	No.	Speaker	ID NO.	Title
10:00-10:30	05-KL	Jijun Zhao	2019-206	First-Principles Design of Novel 2D Electronic Materials
10:30-10:50	06-IL	Dapeng Wu	2019-044	TiO ₂ based Hetero-materials for Effective Photocatalytic CO ₂ Reduction
10:50-11:10	07-IL	Nengfei Yu	2019-156	Engineering Nanocrystals to Bridge Single-Crystal Model Catalysts and Practical Nanocatalysts
11:10-11:20	08-OP	Zaichun Liu	2019-157	Theoretical Investigation into Electrocatalytic N ₂ Reduction to NH ₃ on β -FeOOH by Fluorine Doping
11:20-11:30	09-OP	Tian Li	2019-072	Rapid and Simple Synthesis of Monodisperse Flowerlike CeO ₂ Microspheres at Low Temperature
11:30-11:40	10-OP	Tianyu Chu	2019-010	The Electronics Structure and Magnetic Properties of 2D Nano Material WS ₂ Doped with Transition Metal Atoms
12:00-13:30	Lunch			

Morning, Sept. 10, 2019

Session 31: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Xinglong Wu

Sixin Wu

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Fu-Ming Wang	2019-135	Investigation and Characterization of in-situ Polymer Brush Effects on Si Anode Material and its Battery Performance
9:00-9:30	02-KL	Lijun Fu	2019-153	Pyrolyzed Sulfur/Polyacrylonitrile As Electrode Materials for Lithium- and Potassium-Based Batteries
9:30-9:50	03-IL	Zhengji Zhou	2019-211	High Work Function Molybdenum Oxide Interfacial Layer Improves CZTSSe Solar Cell Performance
9:50-10:10	Coffee Break			

Session 32: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Fu-Ming Wang

Lijun Fu

Time	No.	Speaker	ID NO.	Title
10:10-10:40	04-KL	Sixin Wu	2019-147	Alkali Metal Post Treatment Passivation CZTSSe Defect
10:40-11:10	05-KL	Yusong Zhu	2019-154	The Fabrication and Electrochemical Performance of Cellulose-Based Polymer Electrolytes
11:10-11:30	06-IL	Xinglong Wu	2019-218	Interfacial Design and Optimization for The Electrodes in Dual-ion Batteries
11:30-13:30	Lunch			

Morning, Sept. 10, 2019

Session 33: Advanced Functional Materials

Location: Conference Room C

Symposium F

Chair: Soo Kien Chen

Shikao Shi

Time	No.	Speaker	ID NO.	Title
8:30-9:00	01-KL	Zhiyong Fan	2019-014	Nanostructured Metal Halide Perovskite Materials for High Performance Optoelectronic Devices
9:00-9:30	02-KL	Mingmei Wu	2019-145	Some Strategies to Enhance Red Emissions
9:30-10:00	03-KL	Dongfeng Xue	2019-172	Electronegativity and Novel Materials
10:00-10:20	Coffee Break			

Session 34: Advanced Functional Materials

Location: Conference Room C

Symposium F

Chair: Dongfeng Xue
Zhiyong Fan

Time	No.	Speaker	ID NO.	Title
10:20-10:40	04-IL-F026	Soo Kien Chen	2019-008	Magnesium Diboride Superconductor: Materials Science Challenges
10:40-11:00	05-IL-F136	Shikao Shi	2019-112	Solution Combustion Synthesis and Luminescence of Rare Earth –Doped Nanoceria and its Composites
11:00-11:20	06-IL-F172	Xiaolei Wang	2019-138	Microwave absorbents
11:20-11:30	07-OP-F159	Yiwen Bai	2019-104	A Novel FeMn-MOF/graphene hybrid material: fabrication and electromagnetic wave absorption property
11:30-13:30	Lunch			

Afternoon, Sept. 10, 2019

Session 35: Novel Eco-friendly Materials

Location: Conference Room A

Symposium H

Chair: Maocheng Yan
Bowen Gao

Time	No.	Speaker	ID NO.	Title
14:00-14:30	11-KL	Masahiro Fujiwara	2019-019	Solar Desalination with Membranes
14:30-14:50	12-IL	Wenbin Cao	2019-007	TiO ₂ Photocatalysis: Synthesis and Applications
14:50-15:00	13-OP	Shutong Li	2019-071	A Facile Strategy for Synthesis of Cu@CN Nanocapsules with High Efficient Catalytic Performance for 4-nitrophenol Reduction

Session 36: Advanced Coating Materials

Location: Conference Room A

Symposium L

Chair: Hongwei Shi

Time	No.	Speaker	ID NO.	Title
15:00-15:20	14-IL	Bowen Gao	2019-217	Electrochemical Synthesis of Electroactive PEDOT Film on Al Alloy
15:20-15:30	15-OP	Songhua Gu	2019-026	Active Anti-corrosion Coating Based on Novel Mesoporous Cerium Oxide Container
15:30-15:50	Coffee Break			

Session 37: Advanced Coating Materials

Location: Conference Room A

Symposium L

Chair: Masahiro Fujiwara
Wenbin Cao

Time	No.	Speaker	ID NO.	Title
15:50-16:20	16-KL	Hongwei Shi	2019-111	Study on Organic Cerium Salts for Corrosion Protection of AA2024-T3
16:20-16:50	17-KL	Maocheng Yan	2019-216	Electrochemical and Corrosion Behavior of Conjugated Polymer Composite Coatings on Al Alloys
16:50-17:00	18-OP	Jiayang Li	2019-062	Self-healing Epoxy Coating Based on Tung Oil-containing Microcapsule for Corrosion Protection
17:00-17:10	19-OP	Mohammad Soleymanibrojeni	2019-117	Simulation of Confined Water at Epoxy-Hydroxylated Alumina Interface
17:30-20:30	Dinner			

Afternoon, Sept. 10, 2019

Session 38: Advanced Energy Materials

Location: Conference Room B

Symposium D

Chair: Xuechong Wang

Denghong Yu

Time	No.	Speaker	ID NO.	Title
14:00-14:30	07-KL	Lin Li	2019-064	Diffusion Behavior of Lithium Ion from Liquid to Polymer Electrolytes
14:30-15:00	08-KL	Jiatao Zhang	2019-205	Inorganic Hetero-Interface Synthesis Chemistry and New Energy Applications
15:00-15:10	09-OP	Pingping Sun	2019-110	Nickel-cobalt Bimetal Oxide Hollow Spheres for High-performance Lithium-Ion Batteries and Supercapacitors
15:10-15:20	10-OP	Xiaoyi Song	2019-109	Lithium - lanthanide Bimetal Metal Organic Frameworks towards Negative Electrode Material for Lithium Ion Battery
15:20-15:40	Coffee Break			

Session 39: Advanced Characterization Methods

Location: Conference Room B

Symposium K

Chair: Lin Li

Huanxin Ju

Time	No.	Speaker	ID NO.	Title
15:40-16:00	11-IL	Xiaodong Hao	2019-031	Probe on Ultrafine Cerium Oxide Nanocrystals by Aberration Corrected Scanning Transmission Electron Microscopy
16:00-16:20	12-IL	Jiangwei Zhang	2019-198	Synchrotron Radiation Technology Applications in Atomically Precise Metal Nanoclusters Determination and their Corresponding Catalytic Investigations

Session 40: Advanced Characterization Methods**Location: Conference Room B****Symposium K**

Chair: Jiangwei Zhang

Jiatao Zhang

Time	No.	Speaker	ID NO.	Title
16:20-1640	13-IL	Xuechong Wang	2019-140	On-line Real-time Characterisation of Nanoparticle Size Distribution in Slurries Using a Self-calibrating Ultrasonic Probe
16:40-17:00	14-IL	Dehong Yu	2019-187	Inelastic Neutron Scattering and Thermoelectric Materials
17:00-17:20	15-IL	Huanxin Ju	2019-045	Surface Analysis Techniques XPS/UPS/LEIPS and their Application in Material Science
17:30-20:30	Dinner			

Afternoon, Sept. 10, 2019**Session 41: Advanced Functional Materials****Location: Conference Room C****Symposium F**

Chair: Huanrong Li

Lianshe Fu

Time	No.	Speaker	ID NO.	Topic
14:00-14:30	08-KL	Yunyin Niu	2019-093	Series of Metal Complexes of N-benzyl HMTA: Structure and Absorption Property
14:30-15:00	09-KL	Yu Fu	2019-017	Metal-Organic Frameworks with Two-Dimensional Nanostructures Fabricated by Spray Technology
15:00-15:20	10-IL	Lingbing Kong	2019-055	Phase Formation and Anisotropic Grain Growth of Mullite Ceramics
15:20-15:40	Coffee Break			

Session 42: Advanced Functional Materials**Location: Conference Room C****Symposium F**

Chair: Yu Fu

Yunyin Niu

Time	No.	Speaker	ID NO.	Topic
15:40-16:10	11-KL	Huanrong Li	2019-061	White Light Emission Based on Silver Cluster-Loaded Zeolites
16:10-16:30	12-IL	Lianshe Fu	2019-016	Lanthanide based Organic/Inorganic Luminescent Di-ureasils for White Light-Emitting Diodes
16:30-16:40	13-OP	Nam Chol Yu	2019-191	Preparation of Fe-Mn-Ni-O Nano-Ceramics by Sol-gel Auto Combustion for NTC Thermistor
16:40-16:50	14-OP	Xuehua Yu	2019-193	Ultralight Spongy La-based Perovskite Catalysts: Preparation and Good Catalytic Performance for Soot Combustion

16:50-17:00	15-OP	Xiukun Bao	2019-003	Study on Microwave Absorption Mechanism of FeCo/ZnO Composites
17:30-20:30	Dinner			

19. Lady Program

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

(1) 07 September, 2019:

13:00: Boarding bus at the lobby of Renaissance Shenyang West Hotel (太阳狮万丽酒店).

13:30 - 16:30: Touring Shenyang Middle Street, the most prosperous commercial and cultural street (沈阳中街: 最繁华的商业文化街).

16:30: Coming back to the hotel.

-24:00 Free enjoy the night in the Hotel.

(2) 08 September, 2019:

8:30: Boarding bus at the lobby of Renaissance Shenyang West Hotel (太阳狮万丽酒店).

10:30-12:00: Touring Zhang's Dashuai Mansion(张氏大帅府), cultural relics and historic sites.

12:00 Lunch

13:00-16:30 Departing and visiting Beiling Park(北陵公园), cultural relics and historic sites.

16:30: Coming back to the hotel.

-24:00 Free enjoy the night in the Hotel.

(3) 09 September, 2019:

8:30: Boarding bus at the lobby of Renaissance Shenyang West Hotel (太阳狮万丽酒店).

10:30 - 12:00: Touring Shenyang Botanical Garden(沈阳植物园), rare and precious natural botanical garden.

12:00 Having lunch.

13:00 - 16:00: Touring Shenyang World Expo Park (沈阳世博园), which is a good place for gardening and entertainment.

16:00: Back to the Hotel and having dinner.

-24:00 Free enjoy of the night in the Hotel.

(4) 10 September, 2019

8:30: Boarding bus at the lobby of Renaissance Shenyang West Hotel (太阳狮万丽酒店)

9:30 - 12:00: Touring Shenyang Industrial Museum (沈阳工业博物馆), reminiscent of Shenyang's industrial development milestones and historical relics.

12:00: Having lunch

13:00: Touring Strange Slope + Tiger Garden + Panda Hall (怪坡+虎园+熊猫馆), enjoy some natural strange things, and back to the hotel.

18:30: Awarding Ceremony and Banquet.

-24:00 Free enjoy of the night in the Hotel.

20. Social Program

(Free for the registered participants and the registered accompanying persons)

(1) 10 September, 2019:

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

(2) 11 September, 2019: City Tour

7:00-8:30 Breakfast in each hotel

8:30: Boarding bus at the Gate of Renaissance Shenyang West Hotel (太阳狮万丽酒店)

9:30-12:00 Touring Shenyang Imperial Palace (沈阳故宫)

12:00-13:00 Lunch

13:00-17:00 Touring Liaoning Provincial Museum (辽宁省博物馆)

17:30-20:00 Back to Renaissance Shenyang West Hotel and having Dinner

-24:00 Free enjoy of the night in the Hotel.

21. Insurance

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

22. 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.

Cochair:

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23. Free Buses to Shenyang (Taoxian) International Airport:

- **Bus departing from the Gate of Renaissance Shenyang West Hotel to Shenyang (Taoxian) International Airport.**

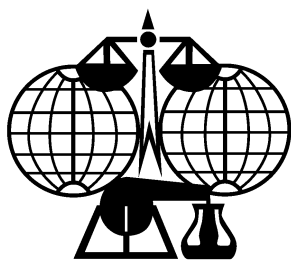
The time will be normally less than one hr. It is arranged by the Organization Committee and free for the registered participants.

Date	Departure time
11 Sept.	6:30 am (33 seats) for those flights departing after 8:30 am
11 Sept.	10:00 am (33 seats) for those flights departing after 12:00 am
12 Sept.	9:00 am (33 seats) for those flights departing after 11:00 am
12 Sept.	14:00 am (33 seats) for those flights departing after 16:00 am

You can refer to the above information for your departure if you want to depart for Shenyang (Taoxian) International Airport.



(One image of Shenyang)



(One image of Shenyang)