

# Meeting Program

1st Day Afternoon

## Saturday, July 23

**14:20 – 16:35** Opening Session **Location: Big Hall**

**14:20 – 16:35** Welcome Speech

**14:50 – 15:50** Session A **Location: Big Hall**

**Chairman** Dr. Jianmin Shi

**14:50-15:25** Invited talk 1: *What are metallic glasses*

Prof. Jianzhong Jiang

**15:25-15:50** Invited talk 2: *First-principles description of processes in energy storage and conversion*

Prof. Axel Groß

**15:50-16:20** Coffee break/Group photo

**16:20 – 17:40** Session B1 **Location: Big Hall**

**Theme** Chemistry and Chemical Engineering

**Chairman** Prof. Axel Groß

**16:20-16:40** Contributed talk (B1.1): *Alkyne metathesis catalyst-Brunswick School*

Xian Wu

**16:40-17:00** Contributed talk (B1.2): *Traceless Staudinger Ligation Mediated by a Rationally Designed CFPP Activator toward Mild and Site-Specific Modification on Azido-(K1)Rnase*

Xi Chen

Registration Open  
Saturday 12:00 – 14:00

**17:00-17:20** Contributed talk (B1.3): *Organic Template-free Synthesis of ZSM-5/ZSM-11 Co-crystalline Zeolite*

Ling Zhang

**17:20-17:40** Contributed talk (B1.4): *Electrooxidation of ethanol on Pt-based and Pd-based catalysts in alkaline media at elevated temperature and pressure*

Shiguo Sun

**16:20 – 17:40** Session B2 **Location: Small Hall**

**Theme** Materials Science and Engineering

**Chairman** Prof. Jianzhong Jiang

**16:20-16:40** Contributed talk (B2.1): *Fueling Palladium Nanoparticles with Hydrogen Provided by a Low-pressure Plasma*

Lianchen Shan

**16:40-17:00** Contributed talk (B2.2): *First principle study on hydrogen vacancy in  $\text{Na}_3\text{AlH}_6$*

Jianchuan Wang

**17:00-17:20** Contributed talk (B2.3): *Materials in automotive electronics*

Dr. Zhenyu Wu

**17:20-17:40** Contributed talk (B2.4): *Development of Advanced High Strength Steels for Automobiles*

Huachu Liu

**17:50 – 19:10** Session C **Location: Big Hall**

**Chairman** Dr. Jianmin Shi

**17:50-18:20** Invited talk 4 (Lanxess): *The chemical research and product innovation at Lanxess*



1st Day Afternoon

Mr. Früh

**18:20-18:40** Contributed talk (Lanxess): *Group Function Innovation & Technology - an Innovation Hub for Lanxess*

Mr. Früh

**18:40-19:10** Election of board members

**19:10-** GCCCD Board Meeting



## Sunday, July 24

**10:00 – 11:10**      Session D      **Location: Big Hall**

**Chairman**      Dr. Hanchun Wang

**10:00-10:35**      Invited talk 4: *Application of Carbon Nanomaterials in Fuel Cells and Lithium Ion Batteries*

Dr. Wei Xia

**10:35-11:10**      Invited talk 5: *Multinational chemical industry in China*

Dr. Lian Ma

**11:10-11:30**      Coffee break

**11:30 – 12:30**      Session E1      **Location: Big Hall**

**Theme**      **Chemistry and Chemical Engineering**

**Chairman**      Dr. Lian Ma

**11:30-11:50**      Contributed talk (E1.1): *Brief introduction to IR spectroscopy: principles and some applications*

Dr. Hanchun Wang

**11:50-12:10**      Contributed talk (E1.2): *Development of thermomorphic biphasic absorbent and extractive regeneration process for low-cost post-combustion CO<sub>2</sub> capture*

Jiafei Zhang

**12:10-12:30**      Contributed talk (E1.3): *Oxidation of Phenol by Microbubble-Assisted Microelectrolysis*


Yanze Ren

**11:30 – 12:30**      Session E2      **Location: Small Hall**

**Theme**      **Energy Science and Technology**

**Chairman**      Dr. Wei Xia

**11:30-11:50**      Contributed talk (E2.1): *Hydrothermal Synthesis of Carbon*



*Spheres and its Applications in the Electrochemical Energy Storage and Conversion Systems*

Dr. Jin Hu

**11:50-12:10** Contributed talk (E2.2): *TiO<sub>2</sub> as Alternative Anode Material for Lithium Ion Batteries*

Manuel Pfanzelt

**12:10-12:30** Contributed talk (E2.3): *Benchmarking Battery Materials - Effect of the Conductive Additive Content on the Composite Electrode Properties*

Dr. Ming-Zhe Xue



**12:30-13:30** **Lunch**

**2nd Day Morning**



## Sunday, July 24

**13:30 – 15:20**      Session F      **Location:** Big Hall

**Chairman**      Dr. Zhenyu Wu

**13:30-14:00**      Invited talk 7 (in Chinese): *The requirements of global chemical company for chemists and chemical engineers*

(跨国化工企业需要什么样的化学化工人才)

Mr. Zhengrong Liu

**14:00-15:00**      Forum, 3-4 invited guests from both Uni/Inst. and companies (in Chinese)

**15:00-15:20**      Announcement of Election

**15:20-15:40**      Meeting Closing