

Wuhan Pre-Conference Sessions

Sunday, November 2, Wuhan Pre-conference

- 16:00 – 19:00 Registration (HUST Campus Hotel)
 18:00 – 21:00 Welcome Mixer (HUST Campus Hotel)

Monday, November 3

- 8:00 – 9:00 Registration (ICARE building)

Chair: Yves QUENEAU

- 9:00 – 9:30 Opening Ceremony

Welcome address given by Pr Yanlong GU (Huazhong University of Science and technology)

Speeches given by:

Mr Gang HE, Vice-Director of International Exchange Center of HUST
 Mr Philippe MARTINET, Consul Général de France à Wuhan
 Pr Jingtao ZHU, Representative of the School of Chemistry and Chemical Engineering
 Pr Michel FARINE, ICARE co-Dean

Chairs: Bruno ANDRIOLETTI and Yanlong GU

- 9:30 – 10:15 **PL-W-1 Haichao LIU** (Peking University, Beijing)
Selective conversion of cellulose into specific polyols on solid catalysts
 10:15 – 10:30 Coffee break

Chair: Bernard PORA and Haichao LIU

- 10:30 – 12 :00 **SIL-W-1 Denis BORTZMEYER** (Arkema, Changshu)
Castor oil derivatives, a platform for bio-based products
SIL-W-2 Yao FU (USTC, Hefei)
Hydrogenation of biomass Carbohydrate Derivatives by Using Semi-sandwich Transition Metal Complexes in Aqueous Phase
SIL-W-3 Etienne FLEURY (INSA Lyon)
Advanced biohybrid materials from polysaccharides

- 12:00 – 14:00 Lunch and poster session
 14:00 – 14:15 Group Picture

Chair: Gil MABILON and Yao FU

- 14:15 – 16:00 **PL-W-2 Marc LEMAIRE** (University Lyon 1)
Use of renewable materials for speciality chemicals: examples of use of glycerol, fatty acids, sugar and starch
SIL-W-4 Song HU (ICARE, Wuhan)
Biomass thermal utilization with economical advantage
SIL-W-5 François JÉRÔME (University of Poitiers)
Innovative pretreatment processes for the catalytic conversion of cellulose to commodities

- 16:00 – 16:15 Coffee break

Chair: Michel FARINE and Song HU

- 16:15 – 17:30 **PL-W-3 Gil MABILON** (Institut Français du Pétrole et des Energies Nouvelles, IFPEN, Lyon)
Biofuels and Biochemicals, some developments in IFPEN
SIL-W-6 Dezheng CHEN (Tongji University, Shanghai)
Fuel Gas from Wastes Thermolysis and its Green Indexes

- 18:30 – 21:30 Wuhan Pre-conference official dinner

Tuesday, November 4

Chair: *Micheline DRAYE and Zhuqi CHEN*

8:30 – 10:00

SIL-W-7 Guochuan YIN (Huazhong University of Science and Technology, Wuhan)

Oxidative transformation of renewable furfural and its analogs with related mechanistic studies

SIL-W-8 Stéphane PELLET-ROSTAING (Commissariat à l'Energie Atomique, Marcoules)

Chelating systems and related processes for metal extraction: example of bifunctional molecules for dramatic enhancement of uranium extraction from phosphates ores

SIL-W-9 Xindong MU (Qingdao Institute for Biomass and Renewable Energy, Qingdao)

Green Chemical Conversion of Lignocellulosic Biomass

10:00 – 10:15

Coffee break

Chair: *François JEROME and Guochuan YIN*

10:15 – 11:30

SIL-W-10 Bernard PORA (Roquette Frères, Shanghai)

Roquette biorefinery: plants based chemistry. Be part of an economic and environmental initiative through the use of plant-based resources.

PL-W-4 Ye WANG (Xiamen University)

Catalytic Transformations of Cellulose and Its Derived Carbohydrates into Organic Acids

11:30 – 12:00

Concluding remarks

12:15 – 14:00

Lunch

14:00 – 16:00

Visit of HUST Campus

16:00

Transfer to airport

19:50

Flight to Shanghai

Poster session Wuhan

- P-W-1** *A Green and Efficient Deacylation Method: H-bond Playing Key Roles in Transesterification, Roles in Transesterification*
Bo REN, Jiantao GE, Xiaoling ZHANG and Hai DONG
- P-W-2** *Developments of Green and Efficient Regioselective Carbohydrate Protection Guided by Principle of Steric and Stereoelectronic Control*
Yixuan ZHOU, Hengfu XU, Bo REN, Bin WU, Xiaoling ZHANG and Hai DONG
- P-W-3** *Catalytic Conversion of Biomass to 5-Hydroxymethylfurfural and 2,5-Dimethylfuran Using Formic Acid as a Reagent*
Guang LEI, Yichi ZHANG, Yizhu LEI, Guangxing LI
- P-W-4** *The Influences of Calcium(II) and Chloride on the Oxidative Reactivity of a Manganese(II) Complex of a Cross-bridged Cyclen Ligand : Implications for the Redox Chemistry of Oxygen Evolution*
Zhan ZHANG, Zhuqi CHEN, Guochuan YIN
- P-W-5** *Oxidative N-Demethylation of N, N-Dimethylanilines Catalyzed by iron(III,II) Complexes and Lewis Acids with Dioxygen*
Jisheng ZHANG, Zhuqi CHEN, Guochuan YIN
- P-W-6** *Catalytic Aerobic Oxidation of 5-hydroxymethylfurfural to Maleic Anhydride with Heteropolyacid Catalysts and Its Mechanistic Studies*
Jihong LAN, Zhuqi CHEN, Guochuan YIN
- P-W-7** *Catalytic aerobic oxidation of renewable furfural to maleic anhydride and furanone derivatives with their mechanistic studies*
Jihong LAN, Zhuqi CHEN, Guochuan YIN
- P-W-8** *Degradation of Chlorophenols by Supported Co-Mg-Al Layered Double Hydroxide with Bicarbonate Activated Hydrogen Peroxide*
Jawad ALI, Xiaoyan LU, Zhuqi CHEN, Guochuan YIN
- P-W-9** *Highly Monodisperse Microparticles Created by Bacillus Spores: a Promising Class of Nature-inspired Catalyst-supports*
Zhiming ZENG, Yin ZHONG, Huicui YANG, Ruihua FEI, Yonggang HU
- P-W-10** *A Sustainable Endospore-based Microreactor System for Antioxidant Capacity Assay*
Lina JIA, Ruihua FEI, Zhiming ZENG, Xingya ZHANG, Haixia TANG, Yonggang HU
- P-W-11** *A Simple Room Temperature Self-Assembly of Porous MnO₂ Spheres/Reduced Graphene Oxide Composites and Their Application in Supercapacitors*
Cheng-En HE, Zhigang XUE, Ying-Kui YANG, Xiao-Lin XIE
- P-W-12** *A zwitterion-induced recovery of the used Brønsted acid catalyst*
Xiaofei REN, Zhipeng HUANG, Jingzhong MA, Zhonghua MA
- P-W-13** *Surfactant Free CO₂-in-water emulsion-templated PVA Hydrogels*
Wei LUO, Bien TAN
- P-W-14** *Designing Brønsted Acid Ionic Liquid as a Heterogeneous Catalyst for Organic Reactions under Solvent-free Conditions*
Amir TAHERI, Yanlong GU
- P-W-15** *A Green aza-Michael Addition Protocol to Fluoroalkylated β -Amino Acid Derivatives and Enantiopure Trifluoromethylated N-Heterocycles*
Xing YANG, Yiyong HUANG

- P-W-16** *One-pot Synthesis of Highly Stable and Methanol-tolerant Co/TiO₂/C-N Electrocatalyst for Oxygen Reduction*
Jingyu WANG, Hao CHENG, Xiaoli FENG, Xijiang HAN, Tao LI
- P-W-17** *Synthesis of Functionalized Fulvenes: [3+2] Annulation of Ethyl α -Chlorocyclopropaneformates with 1, 3-Dicarbonyl Compounds*
Yuequan ZHU, Yuefa GONG
- P-W-18** *Synthesis of Densely Substituted 1,3-Butadienes through Acid-catalyzed Alkenylations of α -Oxoketene Dithioacetals with Aldehydes*
Changhui LIU, Yanlong GU
- P-W-19** *Synergistic Catalysis-induced Ring-opening Reactions of 2-Substituted 3,4-dihydropyrans with α -Oxoketene Dithioacetals*
Changhui LIU, Yanlong GU
- P-W-20** *Benzoxazine-modified soybean oil and its thermosets*
Ying-Xuan LIU, Jin-Jun QIU, Cheng-Mei LIU
- P-W-21** *Microporous Polymers with a built-in Triphenylphosphine Palladium: a Highly Efficient Catalyst for Suzuki-Miyaura Coupling Reactions*
Zhenhong GUAN, Buyi LI, Kunpeng SONG, Jian CHEN, Weiting SUN, Zhiyuan YANG, Peng LIU, Jingyu WANG, Bien TAN, Tao LI
- P-W-22** *Visible Light Mediated Tin Free Deiodination: An Application in the Stereoselective Synthesis of 2-Deoxy Oligosaccharides*
Hao WANG, Jinyi TAO, Xinpei CAI, Wei CHEN, Yang XU, Yueqi ZHAO, Jing ZENG, Qian WAN