TENTATIVE PROGRAM OF CATBIOR 2013

- **Plenary lecture (PL)** takes 45 minutes, which includes 40 minutes presentation and 5 minutes discussion.
- **Keynote lecture (KL)** takes 30 minutes, which includes 25 minutes presentation and 5 minutes discussion.
- **Oral Communication (OC)** takes 20 minutes, which includes 15 minutes presentation and 5 minutes discussion.

September 22： Opening registration (Bayshore Hotel Dalian)

Reception dinner: 18:00-21:00 at the cafeteria of Bayshore Hotel

September 23 (Monday)

Time	Chair： Aiqin Wang
08:10-08:25	**Opening remarks** Tao Zhang, Dalian Institute of Chemical Physics, CAS M. López Granados, Institute of Catalysis and Petrochemistry-CSIC, Spain Feixue Gao, Natural Science Foundation of China Xinhe Bao, The Catalysis Society of China

	The University of Tokyo, Japan/ Virginia Tech, USA
10:55-11:15	**OC2:** Fractional conversion of Raw Biomass Changwei Hu, Jia Luo, Yong Xu, Libin Hu, Zhicheng Jiang Sichuan University, China
11:15-11:35	**OC3:** Influence of the nature of the base and promoter effect of bismuth in the Pt-catalysed aerobic oxidation of 2,5-hydroxymethylfurfural to 2,5-furandicarboxylic acid in aqueous medium H. Ait Rass, M. Besson, N. Essayem IRCELYON, Institut de recherches sur la catalyse et l'environnement de Lyon, UMR5256 CNRS-Université Lyon1, France
11:35-11:55	**OC4:** Transformation of the renewable furfural to maleic acid and its alternatives by catalytic oxidation Huajun Guo, Jihong Lan, Zhuqi Chen, Guochuan Yin Huazhong University of Science and Technology, China
11:55-12:15	**OC5:** Aerobic oxidations of bio-alcohols with metal nanoparticle catalysts M. Melián, E. K. Bjoern, Y. Y. Gorbanev, A. Riisager, S. Kegnaes Technical University of Denmark, Denmark
12:15-12:35	**OC6:** Emerging technologies for cellulosic fuels and chemicals Z. Conrad Zhang Dalian Institute of Chemical Physics, CAS, China
12:35-13:30	**LUNCH & POSTER TIME**
Time	**Chair: Victor Teixeira da Silva, Boqing Xu**
13:30-14:15	**PL2:** Design of Catalysts for Hydrodeoxygenation of Biomass George W. Huber, Ning Li, Yong Tae Kim University of Wisconsin, USA
14:15-14:45	**KL3:** Routes for production of value-added chemicals from cellulose Bert F. Sels Katholieke Universiteit Leuven, Belgium
14:45-15:05	**OC7:** Poly-(styrene sulphonic acid): an acid catalyst from waste polystyrene for biomass conversion into biofuels and chemicals A. C. Alba-Rubio, M. Orfila, R. Mariscal, M. Mengibar, A. Heras, M. López Granados Insitute of Catalysis and Petrochemistry (CSIC), Spain
15:05-15:25	**OC8:** Tailored Inorganic-Organic Nanoreactors as Catalysts for Continuous Carbohydrate Processing A. J. Crisci, R. Alamillo, M. H. Tucker, J. M. Gallo, J.P. Zhang, J. A. Dumesic, S. L. Scott University of California, USA
15:25-15:45	**OC9:** Red Mud as a catalyst for the deoxygenation of biomass Marcel Schlaf University of Guelph, Canada
15:45-16:00	**COFFEE BREAK**
Time	**Chair: Marcel Schlaf, Z. Conrad Zhang**
16:00-16:30	**KL4:** Controllable conversion of cellulose into specific polyols on a Ru catalyst promoted by tungsten trioxide

	Yue Liu, Haichao Liu Perkin University, China
16:30-16:50	**OC10:** Continuous catalytic conversion of water soluble oligomers into valuable chemicals: A spet closer towards industrial application Abhijit Shrotri, Lynette Lambert,

10:05-10:20	**COFFEE BREAK**
Time	**Chair: Rafael Mariscal López , Runcang Sun**
10:20-10:50	**KL6:** Production of biomass-based chemicals Keiichi Tomishige Tohoku University, Japan
10:50-11:10	**OC18:** Complete valorization of Kraft lignin in an environmentally benign solvent with heterogeneous catalysts Yongdan Li Tianjin University, China
11:10-11:30	**OC19:** Aerobic Oxidation Catalysis for Selective Concersion of Lignin Models and Extracts to Aromatic Chemicals R. Tom Baker University of Ottawa, Canada
11:30-11:50	**OC20:** Hydrogenolysis of lignin and lignosulfonate over nickel-based catalysts Qi Song, Feng Wang, and Jie Xu Dalian Institute of Chemical Physics, CAS, China
11:50-12:10	**OC21:** Catalytic De-polymerization, De-oxygenation and De-sulfurization of Kraft Lignin for Fuels, Chemicals and Materials Zhongshun Yuan, Shuna Cheng, Gang Wang, Chunbao (Charles) Xu Western University, Canada
12:10-12:30	**OC22:** High-selectively catalytic conversion of lignin-based cresols into p-xylene with methanol over Pt/HZSM-5 Guozhu Liu, Jinhua Guo, Li Wang, Xiangwen Zhang Tianjin University, China
12:30-13:30	**LUNCH & POSTER TIME**
Time	**Chair: Eric Gaigneaux, Xindong Mu**
13:30-14:00	**KL7:** Bio-glycerol for Sustainable Production of Acrolein: A Challenge to Acid-Base Catalysis Boqing Xu Tsinghua University, China
14:00-14:20	**OC23:** Sorbitol hydrogenolysis to obtain glycols by using of ruthenium supported catalysts R. Mariscal, I. Murillo Leo, M. López Granados, J. L. G. Fierro Institute of Catalysis and Petrochemistry (ICP-CSIC), Spain
14:20-14:40	**OC24:** GALAC: From Glycerol to Acrylic acid through LACtic acid N. Villandier, E. Blanco, J. Ftouni, P. Delichère, C. Lorentz, S. Loridant, J.M.M. Millet, M. Besson, C. Pinel Institut de Recherches sur la Catalyse et I'Environnement de Lyon, IRCELYON, CNRS-Université Claude Bernard Lyon 1, France
14:40-15:00	**OC25:** Reaction Network Analysis and Continuous Production of Isosorbide tert-Butyl Ethers M. Rose, R. Pfützenreuter, K. Thenert, M. Helmin, R. Palkovits RWTH Aachen University, Germany
15:00-15:20	**OC26:** Valorization of humin based by-products formed during biomass processing via gasification/synthesis gas route

	T.M.C. Hoang, L. Lefferts and K. Seshan University of Twente, The Netherlands
15:20-15:40	**OC27:** Acid catalysts from rice husk ash: Catalytic activity in dehydration of pentoses Ana Campos Rosario Universidad de Bogotá Jorge Tadeo Lozano, Colombia
15:40-19:00	**POSTER SESSION WITH LOCAL BEER （POSTER AWARD SELECTION）**
19:00-19:30	**TRANSFER TO FURAMA HOTEL**
19:30-21:00	**BANQUET IN FURAMA HOTEL, DALIAN**

September 25 (Wednesday)

Time	**Chair: Pedro Jesús Maireles Torres, Yao Fu**
08:10-08:55	**PL4:** Mechanocatalytic Depolymerization of cellulose and raw biomass and downstream processing of the products F. Schüth, R. Rinaldi, N. Meine, M. Käldström, J. Hilgert, M. D. Kaufman Rechulski Max-Planck-Institut für Kohlenforschung, Germany
08:55-09:25	**KL8:** Heterogeneously acid-catalyzed hydrolysis of cellulose to glucose contribution of recent pre-treatment methods François Jérôme, Maud Benoit, Karine De Oliveira Vigier, Qinghua Zhang Université de Poitiers, France
09:25-09:45	**OC28:** Restructuring the Crystalline and Chemical Structures of (Ligno)cellulose by Cheap Electrolytes Solution Enhances Their Subsequent Conversion Haibo Xie, Zhilian Wu,Ying Zhang, Xue Yu, Zongbao Kent Zhao Dalian Institute of Chemical Physics, CAS, China
09:45-10:05	**OC29:** Deep Eutectic solvent (DES) in the synthesis of 5-hydroxymethylfurfural Karine De Oliveira Vigier, Fei Liu, A. Benguerba, François Jérôme Université de Poitiers, France
10:05-10:20	**COFFEE BREAK**
Time	**Chair: François Jérôme, Mo Xian**
10:20-10:50	**KL9:** Polyoxometalate-supported Ru and Au nanoparticles for efficient transformations of cellulose and related biomasses Ye Wang Xiamen University, China
10:50-11:10	**OC30:** From Algae to Diesel and Kerosene-Tailored Fuels via Selective Catalysis Chen Zhao, Johannes A. Lercher East China Normal University, China
11:10-11:30	**OC31:** Designing solid acids and bases for biofuel synthesis K. Wilson, J-P. Dacquin, V.C. Eze, A.P Harvey, A.F. Lee, A.N. Phan, C. Pirez and J.J. Woodford Cardiff University, UK
11:30-11:50	**OC32:** Agglomerated Zr-SBA-15: Biodiesel production from low-grade oils and

	fats in a continuous packed bed reactor Jose Iglesias, Juan A. Melero, L. Fernando Bautista, Gabriel Morales and Rebeca Sánchez-Vázquez Universidad Rey Juan Carlos.C, Spain
11:50-12:10	**OC33:** Niobium supported on silica as catalyst for biodiesel production from acid oils G. Carotenuto, R. Vitiello, S. Mallardo, C. Garcia Sancho, A.Vergara, R.Tesser, E. Santacesaria, P.Maireles Torres, M. Di Serio University of Naples 'Federico II', Italy
12:10-12:30	**OC34:** Bio-based chemicals as invaluable sustainable solvents and catalysts for synthesis and catalysis Yanlong Gu Huazhong University of Sciences and Technology, China
12:30-13:30	**LUNCH IN DICP CAFETERIA**
Time	**Chair: Karen Wilson, Chen Zhao**
13:30-13:50	**OC35:** Syngas production from biomass gasification: Catalyst integration strategies for process intensification Y. Richardson, J. Blin, S. T. Tanoh, Anne Julbe International Institute for Water and Environmental Engineering, Burkina Faso
13:50-14:10	**OC36:** Selective oxidation of glycerol over carbon nanofibers supported Pt catalysts in a base-free aqueous solution M.Y. Zhang, R.F. Nie, S.X. Xia, L.P. Zheng, X.Y. Lu, P. Chen, Z.Y. Hou Zhejiang University, China
14:10-14:30	**OC37:** Catalytic hydrotreatment of fast pyrolysis oil over Picula™ Cat G and Ru/C W. Yin, R. H. Venderbosch, H. J. Heeres University of Groningen, The Netherlands
14:30-14:50	**OC38:** Catalytic fast pyrolysis of sugarcane bagasse using Mo_2C/Al_2O_3 M. Patel, A. V. Bridgwater, V. Teixeira da Silva Aston University, UK/ Universidade Federal do Rio de Janeiro, Brazil
14:50-15:10	**OC39:** Catalytic conversions of guaiacol in ethanol over supported Pt-Ni catalysts Wen Chen, Zhongyang Luo, Yi Yang, Jixiang Zhang, Guoxiang Li Zhejiang University, China
15:10-15:30	**OC40:** Raney Ni catalyzed H-transfer reactions for upgrade of phenolic streams in biorefinery X. Wang, R. Rinaldi Max-Planck-Institut für Kohlenforschung, Germany
15:30-15:50	**OC41:** Dehydration of ethyl lactate: who makes the job, acid or basic sites? C. Poupin, C. Alié, S. Douven, P. Leboutte, J.P. Pirard, E. M. Gaigneaux Université catholique de Louvain, Belgium
15:50-16:05	**COFFEE BREAK**
Time	**Chair: F. Schüth, Zhongmin Liu**
16:05-16:50	**PL5:** Main catalytic challenges in the bioethanol integrated biorefinery Eduardo Falabella Petrobras Research Centre / Federal University of Rio de Janeiro, Brazil

16:50-17:35	**PL6:** Converting biomass into fuels and chemicals by heterogeneous catalytic process Avelino Corma Universidad Politécnica de Valencia, Spain
17:35-18:00	**CLOSE CEREMONY** **poster award announcement, conference summary and next venue notification**
18:10-19:00	**BUFFET IN DICP CAFETERIA**