

Final Program of the 13th China-Japan Symposium on Coal and C1 Chemistry

Monday, August 31, 2015

Time	Activity
14:00~21:00	Registration (Symposium Hotel Lobby)
18:00~20:00	Reception

Tuesday, September 1, 2015

Time	Room A
08:30~12:10	Opening Ceremony & Plenary Lectures
08:30~08:40	Opening address: Jianguo Wang, Takayuki Takarada
08:40~09:25	PL-1: Seiji Nomura: RECENT DEVELOPMENTS IN COKEMAKING TECHNOLOGIES IN JAPAN (Nippon Steel & Sumitomo Metal Corporation) Chairperson: Zhenyu Liu
09:25~10:10	PL-2: Haoquan Hu: BOND DISSOCIATION AND STABILIZATION IN COAL PYROLYSIS (Dalian University of Technology) Chairperson: Ichiro Naruse
10:10~10:40	Group Photograph and Coffee Break
10:40~11:25	PL-3: Weibin Fan: CATALYTIC MECHANISM AND CATALYST PREPARATION OF METHANOL TO HYDROCARBONS (Institute of Coal Chemistry, CAS) Chairperson: Atsushi Ishihara
11:25~12:10	PL-4: Keiichiro Hashimoto: PRESENT STATUS OF CCT DEVELOPMENT IN JAPAN (Japan Coal Energy Center) Chairperson: Xianyong Wei
12:10~13:30	Lunch Break

Time	Room A	Room B	Room C
13:30~15:30	Oral A1: C1 chemistry and technologies Chairpersons: Bolun Yang, Xiaohong Li	Oral B1: Gasification, combustion Chairpersons: Jie Wang, Yoshihiko Ninomiya	Oral C1: Preparation, pyrolysis and liquefaction Chairpersons: Hengfu Shui, Seiji Nomura
13:30~13:50	OA-01. <u>Chuang Xing</u> , Jianwei Mao, Chengxue Lu, Ruiqin Yang: AN IN-SITU SYNTHESIS OF LOW-COST MESOSTRUCTURED NICKLE NANOPARTICLES EMBEDDED CARBON/SILICA COMPOSITE VIA A SOLID-LIQUID GRINDING ROUTE AND ITS APPLIED CARBON DIOXIDE REFORMING OF METHANE (Zhejiang University of Science and Technology)	OB-01. <u>Atul Sharma</u> , Akimitsu Matsumura, Toshimasa Takanohashi: COMPARISON OF REACTIVITY AND STRUCTURAL CHARACTERISTICS OF DEMINERALIZED COALS BY ACID WASHING AND SOLVENT EXTRACTION (National Institute of Advanced Industrial Science and Technology)	OC-01. <u>Masato Morimoto</u> , Qingxin Zheng, Tashimasa Takanohashi: MOLECULAR COMPOSITION OF EXTRACTS OBTAINED BY HYDROTHERMAL EXTRACTION OF BROWN COAL (National Institute of Advanced Industrial Science and Technology (AIST))
13:50~14:10	OA-02. <u>Atsushi Ishihara</u> , Yusuke Maejima, Tadanori Hashimoto, Hiroyuki Nasu: PREPARATION OF NOVEL CARBON-OXIDE COMPOSITE SUPPORTED COBALT CATALYSTS AND THEIR REACTIVITY FOR FISCHER-TROPSCH SYNTHESIS IN THE PRESENCE OF SOLVENT (Mie University)	OB-02. <u>Yuan Fang</u> , Guangqian Luo, Jin Li, Kaidi Li, Hong Yao: KINETIC STUDY ON ISOTHERMAL COMBUSTION IN THE MICRO-FLUIDIZED BED (Huazhong University of Science and Technology)	OC-02. Bianbian Zhao, <u>Zongqing Bai</u> , Jin Bai, Lingxue Kong, Zhenxing Guo, Wen Li: EFFECT OF OXYGEN ON RHEOLOGICAL BEHAVIORS OF BROWN COAL-OIL SLURRIES (Institute of Coal Chemistry, CAS)

14:10~14:30	OA-03. <u>Qingqing Hao</u> , Dongyang Zhao, Xiaoxun Ma: MCM-22 AND ITS DERIVED ZEOLITES FOR CONTROLLING THE PRODUCT DISTRIBUTION OF FISCHER-TROPSCH SYNTHESIS OVER COBALT (Northwest University)	OB-03. <u>Nobusuke Kobayashi</u> , Yoshinori Itaya, Tsutomu Imai: CHEMICAL LOOPING PROCESS FOR HYDROGEN PRODUCTION WITH CALSIUM FERRITE (Gifu University)	OC-03. <u>Jiao Kong</u> , Xianyong Wei, Zhimin Zong: IDENTIFICATION OF NITROGEN/OXYGEN-CONTAINING COMPOUNDS IN THE EXTRACTION RESIDUE FROM BULIANGOU SUBBITUMINOUS BY FT-ICR MS (China University of Mining & Technology)
14:30~14:50	OA-04. Ming Zhao, <u>Qianwen Zhang</u> : DIRECT SYNTHESIS LIGHT OLEFINS FROM SYNGAS (Beijing Institute of Petrochemical Technology)	OB-04. Huiming Zhao, <u>Meijun Wang</u> , Tinghao Jia, Liping Chang: DOUBLE CATALYTIC EFFECTS OF INORGANIC SPECIES ON CHAR-H ₂ O GASIFICATION REACTION (Taiyuan University of Technology)	OC-04. <u>Qingxin Zheng</u> , Masato Morimoto, Tashimasa Takanohashi: HYDROTHERMAL OXIDATION AND DECARBOXYLATION OF BROWN COAL (National Institute of Advanced Industrial Science and Technology (AIST))
14:50~15:10	OA-05. <u>Pengfei Zhu</u> , Yoshiharu Yoneyama and Noritatsu Tsubaki: BENZENE DIRECT SYNTHESIS FROM CO ₂ AND H ₂ WITH TWO CONNECTED REACTORS (University of Toyama)	OB-05. <u>Tinggui Yan</u> , Lingxue Kong, Jin Bai, Xiaodong Wen, Xiaoming Li, Zongqing Bai, Wen Li: EFFECT OF SiO ₂ /Al ₂ O ₃ ON FUSION BEHAVIOR AND MINERAL TRANSFORMATION OF COAL ASH (Institute of Coal Chemistry, CAS)	OC-05. <u>Zhiwei Shi</u> , Lijun Jin, Ben Niu, Yang Li, Haoquan Hu: ELUCIDATION OF HYDROGEN TRANSFER IN DIRECT COAL LIQUEFACTION WITH AND WITHOUT SOLVENT (Dalian University of Technology)
15:10~15:30	OA-06. <u>Zhenzhou Zhang</u> , Qingde Zhang, Yizhuo Han, Yisheng Tan: A NOVEL SYNTHESIS OF 1,2-PROPANDIOL FROM GLYCOL DIMETHYL ETHER OXIDATION OVER MoO ₃ /SnO ₂ CATALYSTS (Institute of Coal Chemistry, CAS)	OB-06. <u>Shiyang Lin</u> , Keiichiro Hashimoto: CHEMICAL LOOPING COAL COMBUSTION DEVELOPMENT PLAN OF JAPAN (Japan Coal Energy Center)	OC-06. <u>Dongmei Lv</u> , Zongqing Bai, Wei Yuchi, Jin Bai, Lingxue Kong, Zhenxing Guo, Wen Li: EFFECT OF PYROLYSIS TEMPERATURE ON THE PROPERTIES OF DIRECT COAL LIQUEFACTION RESIDUE CHAR WATER SLURRIES (Institute of Coal Chemistry, CAS)
15:30~15:50	Coffee Break		
15:50~18:30	Oral A2: C1 chemistry and technologies Chairpersons: Zhongwen Liu, Wenliang Zhu	Oral B2: Gasification, combustion Chairpersons: Baoqing Li, Shiyang Lin	Oral C2: Preparation, pyrolysis and liquefaction Chairpersons: Haoquan Hu, Tashimasa Takanohashi
15:50~16:10	OA-07. <u>Mingrui Li</u> , Yong Huang, Yunming Fang: SELECTIVE CONVERSION OF SMALL BIO-OXYGENATE INTO HIGH QUALITY GASOLINE PRECURSOR OVER DEACTIVATED ZSM-5 IN MTG REACTION (Beijing University of Chemical Technology)	OB-07. <u>Zhike Gai</u> , Rong Zhang, Jicheng Bi: EFFECT OF TEMPERATURE ON THE PROPERTIES OF SOOT FROM PULVERIZED COAL PYROLYSIS (Institute of Coal Chemistry, CAS)	OC-07. <u>Yukihiro Kubota</u> , Koichi Ikeda, Takashi Arima, Kazuya Uebo, Seiji Nomura: EFFECT OF INERTINITE SIZE IN COKE ON CRACK FORMATION AND PROPAGATION (Nippon Steel & Sumitomo Metal Corporation)
16:10~16:30	OA-08. <u>Attitaya Saythong</u> , Takayuki Takarada, Metta Chareonach, Nongnuch Rueangjitt: SILICA RECOVERY FROM STEEL SLAG-INDUSTRIAL WASTE RESIDUE FOR USE IN SYNTHESIS OF ZSM-5 ZEOLITE CATALYST (Department of Industrial Chemistry, Faculty of Science Chiang Mai University)	OB-08. Juan Chen, <u>Yoshihiko Ninomiya</u> : EFFECT OF KAOLIN ON CORROSION AND ASH DEPOSITION CONTROL DURING LIGNITE COMBUSTION (Chubu University)	OC-08. <u>Huirong Zhang</u> , Jin Bai, Zongqing Bai, Wen Li: KINETICS AND MECHANISM OF THERMAL TRANSFORMATION OF COAL-BEARING TOBELITE AT HIGH TEMPERATURES (Institute of Coal Chemistry, CAS)
16:30~16:50	OA-09. <u>Peng Lu</u> , Jianwei Mao, Chengxue Lu, Ruiqin Yang: A NOVEL CORE-SHELL-LIKE ZEOLITE CAPSULE CATALYST FOR ONE-STEP ETHANOL SYNTHESIS FROM SYNGAS (Zhejiang University of Science and Technology)	OB-09. <u>Jie Zhang</u> , Jie Wang: TWO-STAGE HYDROGASIFICATION OF VARIOUS COALS AND BIOMASSES FOR PRODUCING METHANE AND AROMATICS (East China University of Science and Technology)	OC-09. <u>Meixia Zhao</u> , Xianyong Wei, Meng Qu, Zhimin Zong: A HIGHLY ACTIVE SOLIDE SUPERACIDE CATALYST FOR CRACKING Car-Calk BOND IN DI(1-NAPHTHYL) METHANE (China University of Mining & Technology)
16:50~17:10	OA-10. <u>Fei Pang</u> , Faen Song, Yisheng Tan, Yizhuo Han: REACTANTS AND PRODUCTS PRETREATMENT INFLUENCE TO THE PROPERTIES OF Ni/AC CATALYST AND ACTIVITY ON METHANOL VAPOR PHASE CARBONYLATION (Institute of Coal Chemistry, CAS)	OB-10. <u>Jin Li</u> , Yuan Fang, Kaidi Li, Guangqian Luo, Hong Yao: POTASSIUM-CATALYZED CO ₂ GASIFICATION OF PETROLEUM COKE IN DIFFERENT TYPES OF REACTORS (Huazhong University of Science and Technology)	OC-10. <u>Xinfu He</u> , Lei Yang, Hongju Wu, Yagang Zhang, Anning Zhou: COAL PYROLYSIS UNDER THE ATMOSPHERE GENERATED IN SITU FROM METHANOL DECOMPOSITION (Xi 'an University of Science and Technology)
17:10~17:30	OA-11. Shiping Liu, <u>Wenliang Zhu</u> , Hongchao Liu, Zhongmin Liu: A HIGHLY EFFICIENT NAFION-H CATALYST FOR VAPOR-PHASE CARBONYLATION OF DIMETHOXYMETHANE (Dalian Institute of Chemical Physics, CAS)	OB-11. <u>Fang Wang</u> , Xi Zeng, Yonggang Wang, Jian Yu, Guangwen Xu: ISOTHERMAL REACTION ANALYSIS IN MICRO FLUIDIZED BED AND ITS APPLICATIONS TO CHAR GASIFICATION REACTION (Institute of Process Engineering, CAS)	OC-11. <u>Xiaojun Kong</u> , Lunjin Yan, Ruifang Zhao, Yuanyuan He, Fan Li : CATALYTIC UPGRADING OF GASEOUS TAR FROM COAL PYROLYSIS (Taiyuan University of Technology)

17:30~17:50	OA-12. Jianbing Wu, Zhiwei Wu, Ruiyi Wang, Ruiping Shi, <u>Zhangfeng Qin</u> , Huaqing Zhu, Mei Dong, Weibin Fan, Jianguo Wang: CATALYTIC SYNTHESIS OF METHYL FORMATE, DIMETHOXYMETHANE AND POLYOXYMETHYLENE DIMETHYL ETHERS FROM METHANOL THROUGH A COUPLING OF OXIDATION AND DEHYDRATION (Institute of Coal Chemistry, CAS)	OB-12. <u>Xin Dai</u> , Jin Bai, Xiaodong Wen, Lingxue Kong, Zongqing Bai, Wen Li: ASH FUSION PROPERTIES FROM MOLECULAR DYNAMICS SIMULATION: THE ROLE OF THE RATIO OF SILICON AND ALUMINA (Institute of Coal Chemistry, CAS)	OC-12. <u>Ming Sun</u> , Xiaoxun Ma: GRADIENT EXTRACTION OF THE HIGH TEMPERATURE DISTILLATION FRACTION FROM LOW TEMPERATURE COAL TAR BASED ON BENZALDEHYDE REACTIONS (Northwest University)
17:50~18:10	Poster preparation	OB-13. <u>Ryo Yoshiie</u> , Hitoshi Nishimura, Yasuaki Ueki, Ichiro Naruse, Naoki Sato, Takamasa Ito, Wonyoung Choi, Shunichiro Ueno: INVESTIGATION OF FRAGMENTATION AND COALESCENCE BEHAVIORS OF ASH PARTICLES IN SIMULATED COAL COMBUSTION (Nagoya university)	OC-13. <u>Hengfu Shui</u> , Hua Zhou, Lei Yang, Zhicai Wang, Zhiping Lei: STUDY ON THE CO-THERMAL DISSOLUTION OF SHENFU COAL AND LIGNIN (Anhui University of Technology)
18:10~18:30		OB-14. <u>Xiaodong Chen</u> , Lingxue Kong, Jin Bai, Xiaodong Wen, Xiaoming Li, Zongqing Bai, Wen Li: EFFECT OF Na ON MINERAL TRANSFORMATION OF COAL ASH UNDER REDUCING ATMOSPHERE AT HIGH TEMPERATURES (Institute of Coal Chemistry, CAS)	OC-14. <u>Xuan Qu</u> , Dengfeng Pan, Jiancai Hou, Jicheng Bi: TRANSFORMATION OF SULPHUR AND NITROGEN DURING THE COAL PYROLYSIS WITH THE SOLID HEAT CARRIER (Institute of Coal Chemistry, CAS)
18:50~19:50	Dinner		
19:30~21:30	Poster Session (Room A)		

Wednesday, September 2, 2015

Time	Room B	Room C
08:30~10:10	Oral B3: Gasification, combustion Chairpersons: Nobusuke Kobayashi, Meijun Wang	Oral C3: Preparation, pyrolysis and liquefaction Chairpersons: Xing Fan, Jingpei Cao
08:30~08:50	OB-15. <u>Shiyang Lin</u> , Tomonao Saito: DEVELOPMENT OF Ca LOOPING THREE-TOWERS CFB BIOMASS/COAL GASIFICATION (Japan Coal Energy Center)	OC-15. <u>Yaqing Zhang</u> , Wanmin Jiang, Xiaohang Wang, Peng Liang, Shixue Zhou: SIMULATION OF LARGE COAL PARTICLES PYROLYSIS BY CIRCULATING ASH CARRIER TOWARD THE AXIAL DIMENSION OF THE MOVING-BED (Shandong University of Science and Technology)
08:50~09:10	OB-16. <u>Fenghai Li</u> : CONTROL MECHANISM OF ASH FUSION CHARACTERISTICS FOR COAL WITH HIGH ALUMINIUM CONTENT (Heze University)	OC-16. Yi Xue, <u>Wenhui Wang</u> , Xianqing Zhu, Zong Zhang, Xian Li, Hong Yao: REMOVAL OF Na&Ca FROM ZHUNDONG COAL BY CO ₂ -WATER TREATMENT (Huazhong University of Science and Technology)
09:10~09:30	OB-17. Boosakorn Kongsomart, <u>Battsetseg Tsedenbal</u> , Shintaro Komatsu, Naokatsu Kannari, Takayuki Takarada: LOW TEMPERATURE CATALYTIC GASIFICATION OF BROWN COAL USING EMPTY FRUIT BUNCH (Gunma University)	OC-17. Peng Liang, <u>Wanmin Jiang</u> , Yaqing Zhang, Xiaohang Wang: THE INFLUENCE OF CIRCULATING ASH ON SULFUR CONVERSION CHARACTERISTICS IN THE COAL POLY-GENERATION PROCESS (Shandong University of Science and Technology)
09:30~09:50	OB-18. <u>Zhirong Yang</u> , Meiqi Gao, Yulong Wang, Yonghui Bai, Chenhao Hao, Fan Li: STUDY ON MAXIMUM REACTION RATE OF COAL GASIFICATION WITH H ₂ O AND CO ₂ (Taiyuan University of Technology)	OC-18. <u>Ben Niu</u> , Hanxue Yan, Yueting Li, Zhiwei Shi, Lijun Jin, Yang Li, Haoquan Hu: INTERACTIVE EFFECTS OF SOLVENTS ON HYDROGEN TRANSFER IN CATALYTIC HYDROLIQUEFACTION OF BULIANTA COAL (Dalian University of Technology)
09:50~10:10	OB-19. <u>Meiqi Gao</u> , Zhirong Yang, Yulong Wang, Yonghui Bai, Chenghao Hao, Fan Li: CALCIUM-CATALYZED COAL CHAR GASIFICATION IN MIXTURES OF H ₂ O AND CO ₂ (Taiyuan University of Technology)	OC-19. <u>Zhaohui Chen</u> , Dengguo Lai, Yong Shi, Shiqiu Gao, Guangwen Xu: COAL PYROLYSIS IN A TRANSPORT BED UNDER CONDITIONS RELEVANT TO THE INTEGRATED FLUIDIZED BED PROCESS (Institute of Process Engineering, CAS)

10:10~10:30	Coffee Break	
10:30~12:10	Oral B4: Gasification, combustion Chairpersons: Xian Li, Atul Sharma	Oral C4: Preparation, pyrolysis and liquefaction Chairpersons: Shiqiu Gao, Peng Liang
10:30~10:50	OB-20. <u>Zhongliang Yu</u> , Shunxuan Hu, Chunyu Li, Yitian Fang: COAL DIRECT CHEMICAL LOOPING HYDROGEN PRODUCTION WITH Fe-Al COMPOSITE OXYGEN CARRIER MODIFIED BY K ₂ CO ₃ (Institute of Coal Chemistry, CAS)	OC-20. <u>Chan Dong</u> , Lijun Jin, Yang Li, Yang Zhou, Haoquan Hu: MECHANISM OF INTEGRATED PEOCESS OF COAL PYROLYSIS WITH STEAM REFORMING OF METHANE BY ISOTOPIC TRACER METHOD (Dalian University of Technology)
10:50~11:10	OB-21. <u>Xuantao Wu</u> , Jie Wang: A NEW MECHANISM-BASED MODEL FOR PRODICTING THE KINETICS OF K ₂ CO ₃ -CATALYZED CHAR GASIFICATION (East China University of Science and Techonology)	OC-21. <u>Xiao Li</u> , Zongqing Bai, Jin Bai, Lingxue Kong, Zhenxing Guo, Wen Li: TRANSFORMATION AND ROLES OF SODIUM SPECIES IN DIRECT LIQUEFACTION OF ZHUNDONG COALS (Institute of Coal Chemistry, CAS)
11:10~11:30	OB-22. <u>Xianxian Zhou</u> , Xuan Qu, Rong Zhang, Jicheng Bi: THE PERFORMANCE AND RECOVERY OF ALKALINE METAL CATALYST DURING SUPERCRITICAL WATER GASIFICATION OF LIGNITE (Institute of Coal Chemistry, CAS)	OC-22. <u>Lei Shi</u> , Qingya Liu, Zhenyu Liu: THE INTERACTION OF VOLATILES IN COAL PYROLYSIS BASED MODEL COMPOUNDS (Beijing University of Chemical Technology)
11:30~11:50	OB-23. <u>Masanori Ishizuka</u> , Yusuke Sakakibara and Atsushi Tsutsumi: BROWN COAL GASIFICATION AT LOW TEMPERATURE (The University of Tokyo)	OC-23. <u>Xiaojie Cheng</u> , Lei Shi, Qingya Liu, Zhenyu Liu: INVESTIGATION OF THE HEAT EFFECT IN THE PROCESS OF COAL PYROLYSIS (Beijing University of Chemical Technology)
11:50~12:10	OB-24. Jingpei Cao, <u>Xinhuang</u> , Benshui Wang, Chong Song, Xiaoyan Zhao, Xianyong Wei, Takayuki Takarada: PREPARATION OF NICKEL-LOADED RESIN CATALYSTS FOR CATALYTIC GASIFICATION OF CORN COB (China University of Mining & Technology)	OC-24. <u>Yong Zhang</u> , Jicheng Bi: EFFECT OF H ₂ AND STEAM ON THE PRESSURIZED CATALYTIC COAL PYROLYSIS OF A SUB-BITUMINOUS COAL (Institute of Coal Chemistry, CAS)
12:10~13:30	Lunch Break	
13:30~15:30	Oral B5: CCS and emission control Chairpersons: Ping Cui, Yoshinori Itaya	Oral C5: Coal science Chairpersons: Yucui Hou, Guilin Piao
13:30~13:50	OB-25. <u>Zehua Li</u> , Yin Wang, Hong Yao: LIMESTONE CALCINATION WITH COAL COMBUSTION FOR MULTICYCLE CO ₂ CAPTURE (Huazhong University of Science and Technology)	OC-25. <u>Naoto Sakimoto</u> , Toshimasa Takanohashi, Koji Sakai, Takahiro Shishido, Takuya Yoshida, Noriyuki Okuyama, Maki Hamaguchi.: IMAGE ANALYSIS METHOD FOR ESTIMATION OF MICRO-STRENGTH OF COKE REACTED BY CO ₂ , H ₂ O AND CO ₂ +H ₂ O. (National Institute of Advanced Industrial Science and Technology (AIST))
13:50~14:10	OB-26. <u>Takuya Furuzono</u> , Hiroki Fujishima, Tsunenori Nakajima, Hirokazu Takanashi, Akira Ohki: BEHAVIOR OF TRACE ELEMENTS IN COAL COMBUSTION PLANT (Idemitsu Kosan Co, Ltd., Kagoshima University)	OC-26. <u>Hongxi Zhang</u> , Qingya Liu, Zhenyu Liu: DISSECTION OF AROMATIC NUCLEUS IN COAL USING SEQUENTIAL OXIDATION (Beijing University of Chemical Technology)
14:10~14:30	OB-27. <u>Ning Zhang</u> , Yang Li, Lijun Jin, Haoquan Hu: CATALYTIC OXIDATION AND ADSORPTION OF ELEMENTAL MERCURY FROM SIMULATED COAL-FIRED FLUE GAS BY CeO ₂ IMPREGNATED ACTIVATED CARBON (Dalian University of Technology)	OC-27. <u>Li Feng</u> , Yingya Zhao, Maoshuang Zhao, Xiaohui Yu: CONSTRUCTION OF THE MACROMOLECULAR STRUCTURE MODELS OF SHENMU LIGNITE BASED ON TG-GC/MS AND FTIR SPECTRA (China University of Mining and Technology)
14:30~14:50	OB-28. <u>Junying Zhang</u> , Heng Yan, Yongchun Zhao, and Chuguang Zhen: CO ₂ SEQUESTRATION BY DIRECT AQUEOUS MINERAL CARBOANTION BASED ON OXY-FUEL COMBUSTION FLUE GAS CONDITIONS (Huazhong University of Science and Technology)	OC-28. <u>Li Tan</u> , Chuang Xing, Guohui Yang, Yoshiharu Yoneyama, Noritatsu Tsubaki: MESOPOROUS ZEOLITE CATALYST DESIGN FOR COAL DERIVED FUELS UPGRADING (University of Toyama.)
14:50~15:10	OB-29. <u>Yongchun Zhao</u> , Z. Xiong, J.Y. Zhang, C.G. Zheng: PHOTOCATALYTIC REDUCTION OF CO ₂ TO CH FUEL UNDER UV/VISIBLE LIGHT IRRADIATION (Huazhong University of Science & Technology)	OC-29. Yongbing Xue, <u>Zefeng Ge</u> , Keqiong Zhang, Shen Su, Fengchao Li, Yulong Li: INFLUENCE OF DIFFERENT STIRRING METHODS ON PROPERTIES OF ASPHALT MODIFIED WITH COAL TAR PITCH (Taiyuan University of Science & Technology)

15:10~15:30	OB-30. <u>Yang Teng</u> , Zhilin Liu, Kai Zhang: CO2 ADSORPTION PROPERTIES OF AMINE-BASED MCM-41 WITH DIFFERENT PORE DIAMETERS (North China University of Electricity)	OC-30. <u>Yang Zhou</u> , Gang Li, Chan Dong, Lijun Jin, Yang Li, Haoquan Hu: PYROLYTIC TIME-OF-FLIGHT MASS SPECTROMETRY FOR IN SITU CHEMICAL ANALYSIS OF VOLATILE PRODUCTS FROM LIGNITE PYROLYSIS (Dalian University of Technology)
15:30~15:50	Coffee Break	
15:50~18:30	Oral B6: Biomass thermal conversion Chairpersons: Weibin Fan, Takuya Furuzono	Oral C6: Coal science, Carbon materials and other related topics Chairpersons: Jieshan Qiu, Li Feng
15:50~16:10	OB-31. <u>Atsushi Ishihara</u> , Thanita Sonthisawate, Hiroyuki Nasu, Tadanori Hashimoto: ELUCIDATION OF CATALYTIC CRACKING OF SOYBEAN OIL BY ZEOLITE-MESOPOROUS OXIDES COMPOSITES USING CURIE POINT PYROLYZER (Mie University)	OC-31. <u>Youjia Tian</u> , Jian Xiao, Yunpeng Zhao, Man Ding, Xianyong Wei: EXTRACTION AND THERMAL DISSOLUTION OF TWO CHINESE LIGNITES IN BINARY SOLVENTS (China University of Mining & Technology)
16:10~16:30	OB-32. <u>Ying Ma</u> , Yunjun Guan, Kai Zhang: COMBUSTION CHARACTERISTICS AND KINETICS OF ENERGY GRASS (North China University of Electricity)	OC-32. <u>Yucui Hou</u> , Yuwei Zhao, Ertian Yin, Muge Niu, Fan Yang, Weize Wu: A STUDY ON THE STRUCTURE OF LIGNITE BASED ON BENZENE POLYCARBOXYLIC ACIDS (Taiyuan Normal University)
16:30~16:50	OB-33. <u>Honglei Yan</u> , Zhimin Zong, Zhanku Li, Xianyong Wei: CHARACTERIZATION OF BIO-OILS FROM THE ALKANOLYSES OF SWEET SORGHUM STALK BY NEGATIVE-ION ELECTROSPRAY IONIZATION FOURIER TRANSFORM ION CYCLOTRON RESONANCE MASS SPECTROMETRY (China University of Mining & Technology)	OC-33. <u>Naokatsu Kannari</u> , Battsetseg Tsedenbal, Keisuke Nagatomo, Takayuki Takarada: EFFECTS OF COAL RANK ON LOW TEMPERATURE OXIDATION OF COALS (Gunma University)
16:50~17:10	OB-34. <u>Xianqing Zhu</u> , Shiping Huang, Huaqiang Liu, Chaorui Chang, Yi Xue, Shicheng Ren, Xian Li, Hong Yao: COKE-MAKING ADDITIVES PREPARATION BY DEGRADATIVE SOLVENT EXTRACTION OF BIOMASS WASTES (Huazhong University of Science and Technology)	OC-34. <u>Yanna Han</u> , Junjie Liao, Zongqing Bai, Jin Bai, Lingxue Kong, Zhenxing Guo, Wen Li: THE RELATIONSHIP BETWEEN PORE STRUCTURE AND MOISTURE BEHAVIOR IN PARTIALLY GASIFIED COAL CHAR (Institute of Coal Chemistry, CAS)
17:10~17:30	OB-35. <u>Paweesuda Natewong</u> , Yayoi Murakami, Haruki Tani, Kenji Asami: PREPARATION THE HETEROGENEOUS CATALYST FOR SYNTHESIS HiBD FROM WASTE COOKING OIL (The University of Kitakyushu)	OC-35. <u>Weiran Cao</u> , Ying Zhou, Yulong Li, Dongju Ma, Ruifeng Liu, Jieshan Qiu: PREPARATION OF NITROGEN AND SULFUR CO-DOPED POROUS CARBON FROM HEAVY ORGANIC MATTERS OF COAL FOR SUPER-CAPACITORS (Dalian University of Technology)
17:30~17:50	OB-36. <u>Xin Huang</u> , Jingpei Cao, Jingxian Wang, Xiaoyan Zhao, Xianyong Wei: CATALYTIC FAST PYROLYSIS OF SEWAGE SLUDGE IN A DROP TYPE PYROLYZER FOR BIO-OIL PRODUCTION (China University of Mining & Technology)	OC-36. <u>Zhanku Li</u> , Xianyong Wei, Honglei Yan, Zhimin Zong: CHARACTERIZATION OF PRODUCTS FROM THERMAL DISSOLUTION OF ZHAOTONG LIGNITE IN CYCLOHEXANE AND METHANOL BY GC/MS AND NEGATIVE-ION ESI FT-ICR MS (China University of Mining & Technology)
17:50~18:10	OB-37. <u>Liuyun Li</u> , Aya Matsushima, Yuto Sekiya, Naokatsu Kannari, Tadaaki Shimizu, Takayuki Takarada: LOW-TEMPERATURE GASIFICATION OF BIOMASS VOLATILE USING A NI-LOADING BROWN COAL CHAR AS A CATALYST (Niigata University)	OC-37. <u>Zhihong Qin</u> , Yujiao Tian, Liang Shan, Liman Rong, Miaomiao Li: SOURCE MATERIAL SEPARATION OF MESOPHASE SPHERULE AND PREPARATION AND APPLICATION OF CARBONACEOUS MESOPHASE (China University of Mining & Technology)
18:10~18:30	OB-38. <u>Muge Niu</u> , Yucui Hou, Qitian Zheng, Ting Lu, Shuhang Ren, Weize Wu: CATALYTIC CONVERSION OF LIGNIN IN NaVO3/H2SO4 AQUEOUS SOLUTION WITH OXYGEN AS OXIDANT (Beijing University of Chemical Technology)	OC-38. <u>He Xiao</u> , Junfeng Zhang, Hongjuan Xie, Yizhuo Han, Yisheng Tan: ACIDITY EFFECT OF Ga/HZSM-5 PREPARED BY REDUCTION-OXIDATION TREATMENT ON ITS SURFACE REACTION MECHANISMS FOR PROPANE AROMATIZATION (Institute of Coal Chemistry, CAS)
18:50~20:30	Banquet (Room A)	
Thursday, September 3, 2015		
Time	Activity	
9:00~	Closing Ceremony	

NO.	Poster
P-01	<u>Jing Liu</u> , Xianyong Wei, Dongdong Zhang, Zhimin Zong: THE IDENTIFICATION OF ORGANOXYGEN COMPOUNDS IN XINGHE LIGNITE (China University of Mining & Technology)
P-02	Jianlin Qu, <u>Dongdong Zhang</u> , Ming Gong, Wei Yu, Chengjian Song, Anning Zhou: IMPROVING THE CONCENTRATION OF THE COAL WATER SLURRY WITH THE PARTICLE SIZE DISTRIBUTION BY THE RESPONSE SURFACE (Xi'an University of Science and Technology)
P-03	<u>Bin Hou</u> , Kegong Fang, Minggui Lin: PREPARATION OF CuFe@SiO ₂ CORE-SHELL CATALYST FOR HIGHER ALCOHOLS SYTHESIS VIA CO HYDROGENATION (Institute of Coal Chemistry, CAS)
P-04	<u>Yuelun Wang</u> , Weiming Zhao, Zhuo Li, Hui Wang, Jinhu Wu, Yunpeng Zhao: EFFECT OF HIERARCHICAL CRYSTAL STRUCTURES ON THE PROPERTIES OF COBALT CATALYSTS FOR FISCHER-TROPSCH SYNTHESIS (China University of Mining & Technology)
P-05	<u>Xingshun Cong</u> , Min Li, Hangyu Gao, Li Gao, Yuliang Zhao, Baoying Zhang, Zhimin Zong, Xianyong Wei: ENRICHMENT AND IDENTIFICATION OF LONG-CHAIN ALKYL BENZENES FROM ZHUNDONG SUBBITUMINOUS COAL (China University of Mining & Technology)
P-06	<u>Attitaya Saythong</u> , Metta Chareonpanich, Takayuki Takarada, Nongnuch Rueangjitt: PREPARATION OF SILICA GEL FROM STEEL SLAG-INDUSTRIAL WASTE BY BASE LEACHING PROCESS (Department of Industrial Chemistry, Faculty of Science Chiang Mai University)
P-07	<u>Qianqian Zhang</u> , Shixue Zhou, Lihua Zhang, Pei Liu, Bogu Liu, Haipeng Chen: CARBON VARIATION AND EFFECT ON MAGNESIUM-BASED HYDROGEN STORAGE MATERIAL BY BALL MILLING (Shandong University of Science and Technology)
P-08	<u>Fusheng Yang</u> , Benlong Wei, Anning Zhou, Minqun Lin, Huijun Zhang, Hao Wang: APPLICATION OF BP NEURAL NETWORK IN PREDICTION OF FLOW TEMPERATURE OF ASH FROM BLENDING COALS (Xi'an University of Science and Technology)
P-09	<u>Fusheng Yang</u> , Benlong Wei, Anning Zhou, Minqun Lin, Huijun Zhang, Hao Wang: MATHEMATICAL MODEL OF MULTIOBJECTIVE COAL BLENDING FOR GASIFICATION AND OPTIMIZATION OF BLENDING PROGRAM (Xi'an University of Science and Technology)
P-10	<u>Yaru Zhang</u> , Jinfeng Bai, Guiying Xu, Haoquan Hu, Chunfeng Mu: THE STUDY OF RELATIONSHIP BETWEEN MICRO-CHARACTERISTICS OF RAW MATERIAL COAL AND TECHNOLOGICAL PROPERTIES OF CORRESPONDING METALLURGICAL COKE (University of Science and Technology Liaoning)
P-11	<u>Jinghui Lv</u> , Xianyong Wei, Zhimin Zong: CATALYTIC HYDROCONVERSION OF THE RESIDUE OF GETING BITUMINOUS COAL OVER FeNi-S/ γ -Al ₂ O ₃ (China University of Mining & Technology)
P-12	Wenzhi Ge, Christian Marcus Pedersen, Yingxiong Wang, <u>Yan Qiao</u> : THE EFFECTS OF CHROMIUM ON THE PYROLYSIS BEHAVIORS OF BROWN COAL (Institute of Coal Chemistry, CAS)
P-13	<u>Zhicai Wang</u> , Ensheng Chen, Zhijun Zhao, Hengfu Shui, Chunxiu Pan, Shigang Kang, Shibiao Ren, Zhiping Lei: STUDY OF THE STABILITIES OF HYDRO-LIQUEFACTION RESIDUE OF SHENHUA SUB-BITUMINOUS COAL (Anhui University of Technology)
P-14	<u>Zhicai Wang</u> , Jingkong Wang, Deqing Wu, Hengfu Shui, Chunxiu Pan, Shigang Kang, Shibiao Ren, Zhiping Lei: EFFECTS OF SOLVENT PRETREATMENT AT HIGH-TEMPERATURE ON THE DIRECT LIQUEFACTION PROPERTIES OF COAL (Anhui University of Technology)
P-15	<u>Zhiping Lei</u> , Zhiquan Hu, Hengfu Shui, Shibiao Ren, Zhicai Wang, Shigang Kang, Chunxiu Pan: EFFECT OF IONIC LIQUID 1-ETHYL-3-METHYLIMIDAZOLIUM ACETATE PRETREATMENT ON PYOLYSIS OF LIGNITE (Anhui University of Technology)
P-16	<u>Shigang Kang</u> , Hengfu Shui, Zhicai Wang, Zhiping Lei, Shibiao Ren: CATALYTIC HYDROGENATION OF HEAVY PRODUCTS FROM DIRECT COAL LIQUEFACTION (Anhui University of Technology)

P-17	<u>Chunxiu Pan</u> , Qian Liu, Zhicai Wang, Hengfu Shui, Shigang Kang, Shibiao Ren, Zhiping Lei: SEQUENTIAL AND NON-SEQUENTIAL THERMAL DISSOLUTION OF XILINGUOLE LIGNITE (Anhui University of Technology)
P-18	Shibiao Ren, Haozhao Li, Tao Jiang, Zhiping Lei, Zhicai Wang, Chunxiu Pan, Shigang Kang, Hengfu Shui: PERFORMANCE OF HIERARCHICAL POROUS ZSM-5 SUPPORTED NICKEL CATALYST FOR HYDROGENATION OF HIGH TEMPERATURE COAL TAR (Anhui University of Technology)
P-19	<u>Mingyi Wang</u> , Haoquan Hu, Lijun Jin, Yang Li: ROLE OF ACTIVE CARBON IN CATALYTIC CRACKING OF TAR FROM INTEGRATED PROCESS OF COAL PYROLYSIS WITH CO ₂ REFORMING OF METHANE (Dalian University of Technology)
P-20	Haoquan Hu, Lijun Jin, Yang Li, <u>Yu Feng</u> : GASIFICATION REACTIVITY OF CHAR FROM DIFFERENT ATMOSPHERES (Dalian University of Technology)
P-21	Chen Zhao, <u>Wei Zhao</u> , Kaixuan Zhou, Qiang Lei, Junji Fang, Xing Fan, Zhimin Zong, Xianyong Wei: CATALYZED-CLEAVAGE OF THE BRIDGED BOND OF BENZYL ETHER OVER MAGNETIC SOLID ACID (China University of Mining & Technology)
P-22	<u>Yong Shi</u> , Zhaohui Chen, Dengguo Lai, Shiqiu Gao, Guangwen Xu: CO-PYROLYSIS CHARACTERISTICS OF COAL WITH OIL SHALE (Institute of Process Engineering, CAS)
P-23	Xiaobo Feng, <u>Xiaoyan Zhao</u> , Jingpei Cao, Xianyong Wei: ORGANIC OXYGEN TRANSFORMATION DURING PYROLYSIS OF BAIYINHUA LIGNITE (China University of Mining & Technology)
P-24	Fengmei Xie, <u>Xiaoyan Zhao</u> , Jingpei Cao, Xianyong Wei: CATALYTIC HYDROCRACKING OF LIGNIN TO LIQUID FUEL IN SUPERCRITICAL ETHANOL OVER Mo/ZEOLITE CATALYST (China University of Mining & Technology)
P-25	Jingchong Yan, <u>Zongqing Bai</u> , Jin Bai, Wen Li: HYDRO-LIQUEFACTION OF BROWN COAL PYROLYZED AT LOW TEMPERATURE WITH AND WITHOUT SOLVENT (Institute of Coal Chemistry, CAS)
P-26	<u>Huirong Zhang</u> , Jin Bai, Zongqing Bai, Wen Li: BEHAVIOR OF MINERALS IN TYPICAL SHANXI COKING COAL DURING PYROLYSIS (Institute of Coal Chemistry, CAS)
P-27	<u>Junli Xu</u> , Zongqing Bai, Jin Bai, Wen Li: STRUCTURAL CHARACTERIZATION OF ASPHALTENE AND PREASPHALTENE FROM DIRECT LIQUEFACTION RESIDUES OF SHENHUA COAL (Institute of Coal Chemistry, CAS)
P-28	<u>Lei Yang</u> , Xinfu He, Hongju Wu, Yawei Sun, Anning Zhou: INTEGRATED PROCESS OF COAL PYROLYSIS WITH STEAM REFORMING OF METHANOL (Xi'an University of Science and Technology)
P-29	Jiaojiao Liu, <u>Haipeng Teng</u> : THE PHASE TRANSFORMATIONS DURING FLUIDIZED-BED PYROLYSIS OF COAL (Northwest University)
P-30	<u>Xiaoming Yue</u> , Xianyong Wei, Bing Sun, Zhimin Zong, Yinghua Wang: CATALYTIC HYDROCONVERSION OF XILINHAOTE LIGNITE OVER A SOLID ACID CATALYST (China University of Mining & Technology)
P-31	<u>Jianshu Zhang</u> , Jiangbing Li, Jinli Zhang: COAL PYROLYSIS UNDER PYROLYSIS GAS OVER NI/MGO CATALYST FOR IMPROVING TAR YIELD (Shihezi University)
P-32	<u>Akapong Kongjaroen</u> , Suwattana Thongkam, Banjong Boonchom, Montree Thongkam: EFFECT OF PREPARATION METHOD OF CuZnO/AlPO ₄ CATALYSTS FOR LOW TEMPERATURE SYNTHESIS OF DME (King Mongkut's Institute of Technology Ladkrabang)
P-33	<u>Yoshikazu Sugimoto</u> : UPGRADING OF LOW TEMPERATURE COAL TAR

P-34	<u>Mingwei Zhang</u> , Kegong Fang: EFFECT OF REDUCING AGENTS ON IRON OXIDE@SiO ₂ CORE-SHELL CATALYSTS FOR CO HYDROGENATION (Institute of Coal Chemistry, CAS)
P-35	<u>Kang Luo</u> , Shenghua Zhu, Yonghui Bai, Chenhao Hao, Fan Li: AN INVESTIGATION INTO TRANSFORMATION OF ALKALI AND ALKALINE EARTH METALS DURING COAL GASIFICATION WITH H ₂ O AND CO ₂ (Taiyuan University of Technology)
P-36	<u>Anning Zhou</u> , Chengjian Song: THE EFFECT OF THE MATCH PERFORMANCE BETWEEN SHENFU COAL' MINERAL AND DISPERSANTS ON THE PROPERTIES OF COAL WATER SLURRY (Xi'an University of Science and Technology)
P-37	<u>Yan Zhang</u> , Di Fan, Yan Zheng: INFLUENCE OF INITIAL SAMPLE MASS AND CRUCIBLE GEOMETRY ON GASIFICATION OF COAL CHAR VIA TGA TECHNIQUE (Dalian University of Technology)
P-38	<u>Yanfang Wei</u> , Jie Wang: UTILIZATION OF HYDROGENATED CHAR FOR PREPARING COAL/CHAR WATER SLURRY (East China University of Science and Technology)
P-39	Boodsakorn Kongsomart, <u>Battsetseg Tsedenbal</u> , Shintaro Komatsu, Naokatsu Kannari, Takayuki Takarada: LOW TEMPERATURE CATALYTIC GASIFICATION OF BROWN COAL USING CHICKEN DROPPINGS (Gunma University)
P-40	<u>Ichiro Naruse</u> , Ryo Yoshiie, Koki Sugiura, Yasuaki Ueki: EMISSION CHARACTERISTICS FROM OXY-COAL COMBUSTION IN BUBBLING FLUIDIZED BED COMBUSTOR (Nagoya University)
P-41	<u>Ting Ma</u> , Hiroyuki Imai, Tomohiro Shige, Taisuke Sugio, Xiaohong Li: SYNTHESIS OF HYDROCARBON FROM H ₂ -DEFICIENT SYNGAS IN FISCHER-TROPSCH SYNTHESIS OVER Co-BASED CATALYST COUPLED WITH Fe-BASED CATALYST AS WATER-GAS SHIFT REACTION (The University of Kitakyushu)
P-42	<u>Liuyun Li</u> , Chika Satomi, Hideyuki Matsumura, Naokatsu Kannari, Tadaaki Shimizu, Takayuki Takarada: EFFECTS OF LIMONITE ORE AND STEAM ADDITION ON MODEL HYDROCARBON PHENOL DECOMPOSITION (Niigata University)
P-43	<u>Yonghua Zhao</u> , Yonghong Song, Yanjiao Wang, Dan Zhang, Guo Ce, Zhaotie Liu, Zhong-Wen Liu: FISCHER-TROPSCH SYNTHESIS OVER COBALT/ACID ACTIVATED MONTMORILLONITE PROMOTED WITH ZIRCONIA (Shaanxi Normal University)
P-44	<u>Faen Song</u> , Huaan Zheng, Hongjuan Xie, Junsheng Zhang, Yisheng Tan, Rongli Kou, Yizhuo Han : STUDY ON Mo-Fe OXIDES CATALYST FOR FORMALDEHYDE PRODUCTION BY METHANOL OXIDATION (Institute of Coal Chemistry, CAS)
P-45	Yingquan Wu, Sichen Wang, Hongjuan Xie, Junwen Gao, Shaopeng Tian, Yizhuo Han, <u>Yisheng Tan</u> : THE INFLUENCE OF THE PRECIPITATION TEMPERATURE ON A K-Cu/La/ZrO ₂ CATALYST FOR ISOBUTANOL SYNTHESIS FROM SYNGAS (Institute of Coal Chemistry, CAS)
P-46	Xiaoxing Wang, Junfeng Zhang, Faen Song, Yizhuo Han, <u>Yisheng Tan</u> : SYNTHESIS OF ISOALKANES OVER A CORE (Fe-Zn-Zr)-SHELL (ZEOLITE) CATALYST FROM CARBON DIOXIDE HYDROGENATION (Institute of Coal Chemistry, CAS)
P-47	<u>Subing Fan</u> , Jiao Zhou, Junmin Lv, Jianli Zhang, Tiansheng Zhao: PREPARATION OF HIERARCHICAL HZSM-5 VIA INTERZEOLITE CONVERSION AND ITS MTP CATALYTIC PERFORMANCE (Ningxia University)
P-48	<u>Ning Chen</u> , Liping Ma, Jianli Zhang, Qingxiang Ma, Subing Fan, TianSheng Zhao: SYNTHESIS OF LIGHT OLEFINS FROM CO HYDROGENATION OVER Fe-Zr CATALYST USING TWO-STEP HYDROTHERMAL METHOD (Ningxia University)
P-49	<u>Kohei Yoshida</u> , Kazuki Komiyama, Kenji Asami: EFFECT OF H ₂ /CO RATIO ON THE PRODUCTION OF LOWER OLEFINS FROM SYNGAS OVER Mn-PROMOTED Fe CATALYST (The University of Kitakyushu)
P-50	<u>Haijun Zhao</u> , Kegong Fang, Minggui Lin, Yuhan Sun: PREPARATION AND EVALUATION OF Cu-Mn CATALYSTS FOR METHYL FORMATE SYNTHESIS FROM SYNGAS (Institute of Coal Chemistry, CAS)

P-51	Boodsakorn Kongsomart, <u>Battsetseg Tsedenbal</u> , Shintaro Komatsu, Naokatsu Kannari, Takayuki Takarada: LOW TEMPERATURE CATALYTIC GASIFICATION OF BROWN COAL USING CHICKEN DROPPINGS (Gunma University)
P-52	Jiageng Li, Xingxing Li, Zhiqiang Wu, <u>Bolun Yang</u> : SYNTHESIS OF SUBSTITUTE NATURAL GAS BY METHANATION OF COKE OVEN GAS (Xi'an Jiaotong University)
P-53	<u>Laizhi Sun</u> , Xiaodong Zhang, Lei Chen, Shuangxia Yang, Xiping Xie, Baofeng Zhao: PRODUCTION OF AROMATIC COMPOUNDS FROM CATALYTIC FAST PYROLYSIS OF BIOMASS OVER Fe/ZSM-5 CATALYSTS (Energy Research Institute of Shandong Academy of Sciences)
P-54	<u>Yao Lu</u> , Xianyong Wei, Yongchao Lu, Jinfeng Zhou, Zhimin Zong, Jingpei Cao, Xing Fan Wei Zhao: CHARACTERIZATION OF SOLUBLE SPECIES IN THE PRODUCT OF SEQUENTIAL ALCOHOLYSIS OF RICE HUSK WITH ETHANOL (China University of Mining & Technology)
P-55	<u>Tetsuya Hirakawa</u> , Haruki Tani, Yayoi Murakami, Kaoru Fujimoto, Kenji Asami: PRODUCTION OF NEW HYDROCARBON BIO-DIESEL FUEL (HIBD) WITH A SLURRY PHASE REACTOR (The University of Kitakyushu)
P-56	<u>Haipeng Chen</u> , Shixue Zhou, Bogu Liu, Naifei Wang, Qianqian Zhang: MECHANOCHEMICAL SYNTHESIS OF Cu-BASED SORBENT WITH OXYGEN-VACANCY FOR EFFICIENT CARBON DISULFIDE ABSORPTION (Shandong University of Science and Technology)
P-57	<u>Changzhen Wang</u> , Nannan Sun, Ning Zhao, Wei Wei, Yongxiang Zhao : TEMPERATURE-PROGRAMMED SURFACE REACTION STUDY OF CARBON INTERMEDIATES FOR CO ₂ REFORMING OF METHANE OVER Ni-CaO-ZrO ₂ CATALYSTS (Shanxi University)
P-58	<u>Yating Zhang</u> , Hui Yun, Lu Wang, Guoyang Liu, Anning Zhou: STUDY OF SEMI-COKE AS PHOTOCATALYSTS FOR CO ₂ CONVERSION (Xi'an University of Science and Technology)
P-59	Jiaofei Wang, Lijun Jin, <u>Yang Li</u> , Haoquan Hu: EFFECT OF MINERALS ON PREPARATION OF COAL-BASED ACTIVATED CARBON FOR METHANE DECOMPOSITION (Dalian University of Technology)
P-60	<u>Zhengke Li</u> , Zhenyu Liu, Qingya Liu: ANALYSIS OF CARBON FINES IN THE OFF GAS OF CALCIUM CARBIDE FURNACE (Beijing University of Chemical Technology)
P-61	<u>Dong Wang</u> , Zhenyu Liu, Qingya Liu: SYNTHESIS OF N-BUTANOL WITH CALCIUM CARBIDE AND ETHANOL AS THE FEEDSTOCK (Beijing University of Chemical Technology)
P-62	<u>Leiming Ji</u> , Renxing Wang, Junfei Wu, Qingya Liu, Zhenyu Liu: TRANSFORMATION OF SILICON-BEARING MINERALS DURING CALCIUM CARBIDE PRODUCTION (Beijing University of Chemical Technology)
P-63	Shan He, <u>Jingpei Cao</u> , Shanshan Huang, Xiaoyan Zhao, Xianyong Wei: PREPARATION OF ACTIVATED CARBON FROM LIGNITE FOR ELECTRIC DOUBLE-LAYER CAPACITORS (China University of Mining & Technology)
P-64	<u>Bogu Liu</u> , Qianqian Zhang, Lihua Zhang, Pei Liu, Shixue Zhou: EFFECT OF CARBON DOPANT CAUSED BY BALL MILLING ON HYDROGEN DESORPTION PROPERTIES OF MAGNESIUM HYDRIDE (Shandong University of Science and Technology)
P-65	<u>Lihua Zhang</u> , Shixue Zhou, Haipeng Chen, Qianqian Zhang: PREPARATION OF CRYSTALLINE CARBON FROM ANTHRACITE AND CARBON DOPING IN MAGNESIUM FOR HYDROGEN STORAGE (Shandong University of Science and Technology)
P-66	<u>Pei Liu</u> , Shixue Zhou, Haipeng Chen, Qianqian Zhang: MODIFICATION EFFECT OF CRYSTALLINE CARBON ON MAGNESIUM DURING HIGH ENERGY BALL MILLING FOR HYDROGEN STORAGE (Shandong University of Science and Technology)
P-67	<u>Yuuki Mochizuki</u> , Naoto Tsubouchi, Tomohiro Akiyama: REDUCTION BEHAVIOR AND CRUSHING STRENGTH OF CARBON-CONTAINING COMPOSITES PREPARED FROM COG TAR AND COLD BONDED PELLETS (Hokkaido University)

P-68	<u>Naoto Sakimoto</u> , Toshimasa Takanohashi, Koji Sakai, Takuya Yoshida, Noriyuki Okuyama, Takahiro Shishido: ESTIMATION OF COKE DRUM INDEX FROM COKE-MATRIX CONNECTIVITY (National Institute of Advanced Industrial Science and Technology (AIST))
P-69	Naoto Sakimoto, <u>Toshimasa Takanohashi</u> , Koji Sakai, Takuya Yoshida, Noriyuki Okuyama, Takahiro Shishido: RELATIONSHIP BETWEEN COKE-MATRIX CONNECTIVITY AND PORE STRUCTURE (National Institute of Advanced Industrial Science and Technology (AIST))
P-70	<u>Fan Yang</u> , Yucui Hou, Muge Niu, Ting Lu, Yuwei Zhao, Ertian Yin, Dongyue Sun, Qian Wang, Weize Wu: PRODUCTION OF CARBOXYLIC ACIDS FROM LIGNITE BY CATALYTIC OXIDATION METHOD IN NaVO ₃ -H ₂ SO ₄ AQUEOUS SOLUTION WITH MOLECULAR OXYGEN (Beijing University of Chemical Technology)
P-71	<u>Ting Lu</u> , Yucui Hou, Muge Niu, Fan Yang, Ertian Yin, Yuwei Zhao, Qian Wang, Dongyue Sun, Weize Wu: CATALYTIC OXIDATION OF CELLULOSE TO FORMIC ACID IN HETEROPOLY ACID-MINERAL ACID AQUEOUS SOLUTION WITH MOLECULAR OXYGEN (Beijing University of Chemical Technology)
P-72	<u>Jiahe Liu</u> , Zhenyu Liu, Juantao Jiang, Xiaoliang Zhang, Zezhou Chen: EFFECT OF CALCIUM CATALYST ON HYDROGASIFICATION ACTIVITY OF COAL CHAR (Beijing University of Chemical Technology)
P-73	<u>Xikun Gai</u> , Chuang Xing, Peng Lu, Yin Li, Jianwei Mao, Chengxue Lu, Ruiqin Yang : STUDY ON CATALYTIC PYROLYSIS OF WAX OIL TO PRODUCE LIGHT OLEFIN (Zhejiang University of Science and Technology)
P-74	Boodsakorn Kongsomart, Battsetseg Tsedenbal, <u>Naokatsu Kannari</u> , Takayuki Takarada: PREPARATION OF ACTIVATED CARBON FROM TEAK SAWDUST WITH EMPTY FRUIT BUNCH ASH (Gunma University)
P-75	Boodsakorn Kongsomart, Battsetseg Tsedenbal, <u>Naokatsu Kannari</u> , Takayuki Takarada: PREPARATION OF ACTIVATED CARBON FROM TEAK SAWDUST BY USING CHICKEN DROPPING COMPOST ASH AS AN ACTIVATION AGENT (Gunma University)
P-76	<u>Nan Wu</u> , Jianqiang Hu, Shizhao Yang: STUDY ON THE CHANGE RULE OF THE DISSOLVED WATER CONTENT IN JET FUELS (Air Force Logistics College)
P-77	Qingde Zhang, Wenfeng Wang, <u>Zhenzhou Zhang</u> , Yisheng Tan, Yizhuo Han: LOW-TEMPERATURE OXIDATION OF DIMETHYL ETHER TO DIMETHOXYMETHANE OVER CNT SUPPORTED Re CATALYST (Institute of Coal Chemistry, CAS)
P-78	<u>Huamei Yang</u> , Shinji Kudo, Jun-ichiro Hayashi, and Koyo Norinaga: THERMAL DECOMPOSITIONS OF MODEL COMPOUNDS OF SOLID FUELS: CATECHOL, HYDROQUINONE, AND RESORCINOL (Kyushu University)
P-79	<u>Chengyi Li</u> , Srinivas Appari, Shinji Kudo, Jun-ichiro Hayashi, Hiroaki Watanabe, and Koyo Norinaga: A CFD SIMULATION ON THE REACTING TURBULENCE FLOW IN A BENCH-SCALE REFORMER OF COKE OVEN GAS (Kyushu University)
P-80	Weibing Liu, Shanjiao Kang, <u>Shici Duan</u> , Zhijie Shi, Xiaosu Zhu, Chunqi Li: THE LIQUEFACTION PERFORMANCE OF "HYPERCOAL" (ASH-FREE-COAL) OBTAINED FROM LOW-RANK COAL (Datang International Chemical Technology Research Institute Co., LTD)

*All posters [maximum size: 900 mm (width)×1200 mm (height)] will be presented in a single session.