

# GCGW 2014 – Detailed Program

**Sunday, 25 May, 2014**

9:00-21:00	Global Village-Peking University 北京大学中关村新园	Lobby of the Hotel 宾馆大堂	Registration 会议注册
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**Monday, 26 May, 2014**

8:30-16:00 Registration @ Lobby of the Hotel

9:00-9:45	Elites Banquet Hall 群英厅	Welcome and Formal Opening	
9:45-10:30	Elites Banquet Hall 群英厅	Keynote Lecture (1) <i>Dongxiao Zhang</i> : Shale Gas Development and the Environment Chair: Zuomin Dong	
10:30-11:00	Elites Banquet Hall 群英厅	Coffee Break and Family Picture	
11:00-11:45	Elites Banquet Hall 群英厅	Keynote Lecture (2) <i>Ronald Wennersten</i> : Strategies for Energy Transition and Climate Change Mitigation for Urban Development Chair: İlhami Yıldız	
12:00-13:30	Lunch (Buffet) @ Sunrise Restaurant 辰光咖啡厅		
	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session MON-1-A General Climate Change Problems and Basic Trends (1) Chair: <i>Xiaoqiu Chen</i>	Session MON-1-B Scientific Innovations for Climate Change Issues (1) Chair: <i>Yuhui Cao</i>	Session MON-1-C Thermal System and Heat Transfer Related Topics (1) Chair: <i>Yuzhi Wang</i>
14:00-14:30	K-1-A 0039: Carbon footprint calculation and evaluation of a typical steelworks based on GaBi software <i>Yang Liyun, Chen Yan, Bai Hao, Xu Ping</i>	K-1-B 0212: The impact on climate change from HCFC-141b of its historic emission, future phasing-out process <i>Ziyuan Wang, Huanghuang Yan, Zihan Zhai, Jianbo Zhang, Chunqing Tan</i>	K-1-C 0021: Experimental and Thermodynamic Study of CO <sub>2</sub> Solubility in Promising Ionic Liquids <i>Amr Henni, Mohamed Zoubeik</i>
14:30-14:45	0064: Analysis on the Research Status of Climate Change Issues in Science Communication Field-Taking SSCI Journal "Science Communication" for Example (2002-2013) <i>Chu Jianxun, Ni Guoxiang</i>	0070: Experimental Study on Supercritical CO <sub>2</sub> Turbine of Solar Energy-Powered Rankine Cycle <i>Hiroshi Yamaguchi, Yuhiro Iwamoto, Xiao-Dong Niu, Takuya Kuwahara, Xin-Rong Zhang</i>	0169: Study on the heat transfer mechanism of solar heat collecting ceramic plaque <i>Yong man Lin, Xin rong Zhang, Wei hua Guan</i>
14:45-15:00	0032: New Means-New Problems: Compliance Mechanisms UNDER MEAs	0059: Research Progress of CO <sub>2</sub> Resource Utilization in the Steelmaking Process	0061: Research on optimal distribution of byproduct gases in iron and steel industry

	<i>Zerrin Savasan</i>	<i>Wang Xueliang, Zhu Rong, Wang Huan</i>	<i>Nueraili Kuerbanjiang, Zhao Xiancong, Bai Hao</i>
15:00-15:15	0026: Influence of Gradient Magnetic Field on Methane Laminar Combustion Characteristic <i>Wen-fei Wu, Qing-xiang Shi, Wei-peng Chen, Bao-wei Li</i>	0150: Establishment of Assessment Method for Site-scale Suitability of CO <sub>2</sub> Geological Storage <i>Wei Zhang</i>	0167: Study on no power jet characteristics mechanism <i>Yong man Lin, Wei hua Guan, Xin rong Zhang</i>
15:15-15:30	0081: Assessing future precipitation trends under multiple climate change scenarios: a case study in Hefei city, China <i>Siyu Zeng, Hua Bai, Xin Dong</i>	0236: MD Study on Interaction between Nanoparticle and Surface of Wall and the Consequent Phase Change Phenomena <i>Qiankun Zhao, Xin-Rong Zhang</i>	0174: Global Warming and Global Carbon Cycle <i>Chunju Huang</i>
15:30-15:45	0053: MD-Simulation of nano-particle cryogenic sublimation dynamics <i>Yi-Min Chen, Lin Chen, Xin-Rong Zhang</i>	0116: A Modeling Scheme for the Turbulence Agglomeration of Fine Particles <i>Jiyun Xu, Hongwei Shen, Hao Wang</i>	0184: Analysis of a Trigeneration System Combined with Compressed Air Energy Storage <i>Fengjuan He, Haisheng Chen, Yujie Xu, Xinjing Zhang</i>
15:45-16:00	Coffee Break		
	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session MON-2-A	Session MON-2-B	Specialized Session MON-2-C
	Forest Studies (1) Chair: <i>Hang Yin</i>	Thermal System and Heat Transfer Related Topics (2) Chair: <i>Amr Henni</i>	Energy Storage Chair: <i>Haisheng Chen</i>
16:00-16:30	K-2-A 0090: A Preliminary Study on the Comprehensive Development and Utilization of Energy Forest in China <i>Yuzhi Wang, Fenghua Liu, Hao Xu</i>	K-2-B 0197: Numerical Investigation on the Distribution of CO <sub>2</sub> Concentration and Heat Transfer in a Roller Heath Kiln <i>Yi Zhao, Ceji Fu, Jiyun Huo</i>	K-2-C Research Progress in Compressed Air Energy Storage in China (Invited) <i>Haisheng Chen</i>
16:30-16:45	0128: Human Induced Deforestation in Ogun State, Nigeria; Causes and Effects <i>Pearse S.N., Osume. F.N, Olaiya. A.F</i>	0017: Visualization Study of An Unique Two-phase Closed Loop Thermosyphon for Split-type Solar Water Heaters <i>Ji Li, Feng Lin, Gengwen Niu, Fan Li</i>	0078: Melting salt for heat temperature heat transfer and thermal energy storage <i>Yuting Wu</i> (Invited)
16:45-17:00	0088: Suggestions on Technology and Management in the Cultivation of China Energy Forest Base <i>Hao Xu, Fenghua Liu, Yuzhi Wang</i>	0196: A Method for Solving the Inverse Heat Conduction Problem with Asymmetric Spray <i>Yongqi Sun, Xidong Wang, Zuotai Zhang</i>	
17:00-17:15	0182: Microbiological Evaluation of Sewage Sludge in Terms of Possibility of Application in Soil as a Fertilizer	0098: A Method for Solving The Inverse Heat Conduction Problem with Asymmetric Spray <i>Zhao Zeng-wu, Hu Qiang, Zhang Ya-zhu, Zhang</i>	0133: Enhanced wind power utilization by thermal energy storage system <i>Yi JIN, Yongliang LI, Guanghui LENG, Yulong</i>

	<i>Bayko Baykov</i>	<i>Men-yun, Zhao Li-feng, Li Yun-qiang, Liu Hao-peng</i>	<i>DING</i>
17:15-17:30	0016: Functional and Non-functional Particulate Hydrocarbons in Urban, Rural and Forest Atmosphere of Northern Algeria <i>Y. Moussaoui, C. Balducci, A. Cecinato and B. Y. Meklati</i>	0154: The Heat Transfer Characteristic analysis of Elliptic Tube Based on Enthalpy Resistance <i>Yong man Lin, Wei hua Guan, Xin rong Zhang</i>	0148: Towards Low Carbon Economy: Graphene/Carbon Nanotube Hybrids for Sustainable Energy Storage <i>Qiang Zhang, Meng-Qiang Zhao, Jia-Qi Huang, Cheng Tang, Hong-Jie Peng, Gui-Li Tian, Wei-Zhong Qian, Fei Wei</i>
17:30-17:45			
18:00-20:30	Reception Dinner @ Nongyuan Restaurant (Third Floor)		
<b>Tuesday, 27 May, 2014</b>			
8:30-16:00 Registration @ Lobby of the Hotel			
8:30-9:15	Elites Banquet Hall 群英厅	<b>Keynote Lecture (3)</b> <i>Xianguo Li: Green Energy Systems: Solution to Global Warming</i> Chair: Hiroshi Yamaguchi	
9:15-10:00	Elites Banquet Hall 群英厅	<b>Keynote Lecture (4)</b> <i>İlhami Yıldız: Locally Designed Integrated Energy Management for a Sustainable Society</i> Chair: Hiroshi Yamaguchi	
10:00-10:15	Elites Banquet Hall 群英厅	Coffee Break	
10:15-11:00	Elites Banquet Hall 群英厅	<b>Keynote Lecture (5)</b> <i>Ibrahim Dincer: Energy Dimensions and Links to Global Warming</i> Chair: Zuomin Dong	
11:00-11:45	Elites Banquet Hall 群英厅	<b>Keynote Lecture (6)</b> <i>Hiroshi Yamaguchi: Basic Characteristics in CO<sub>2</sub>-Solar Rankine System</i> Chair: Zuomin Dong	
12:00-13:30	Lunch (Buffet) @ Sunrise Restaurant 辰光咖啡厅		
	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session TUE-3-A General Climate Change Problems and Basic Trends (2) Chair: <i>Zerrin SAVAŞAN</i>	Session TUE-3-B Water and Energy Flow Studies (1) Chair: <i>Seyma Karahan</i>	Specialized Session TUE-3-C Efforts of Green Building Industry: towards the Challenges from Global Warming Chair: <i>Jianfeng Zhou</i>
14:00-14:30	K-3-A 0053: The Decadal of Solar Variability over Early Summer Rain Band in China During the	K-3-B 0176: The Efficient Use of the Water Resources and the Global Warming: The Case of North	K-3-C Development of High Performance Buildings in China

	Past 106 Years <i>Liang Zhao, Jingsong Wang, Zhang Xiaoxin, Zhu Yuxiang</i>	Cyprus ‘Water of Peace Project’ <i>Levent Kirval, Munir Suner</i>	<i>Zhen Yu, Director, China Academy of Building Research</i>
14:30-14:45	0019: Exceptionally Hot and Cold Summers in Europe (1951-2010) <i>Robert Twardosz, Urszula Kossowska-Cezak</i>	0104: Global Climate Change and Sustainable Water Management for Energy Production in The Niger Basin <i>Samuel Onyebuchi Onyenweaku, Alegbe Oludare Donalds</i>	Practice of Daylighting technology in green building <i>Shui Yu, CEO, RETROSolar Daylight Systems GmbH (China)</i>
14:45-15:00	0073: Atmosphere Drought as an Indicator of Warming in Uzbekistan <i>Shah-Ahmad Shanazar Ogly Mutalov, Feruza Ishniyazova, Svetlana Nikolaeva, Yuri Petrov</i>	0071: Give Great Impetus to Technological Innovation to Answer Global Climate Change XJY-1-New Energy-saving and Emission Reduction Technology <i>Jianxiong He, Yunyi Qian, Chongheng He</i>	The function of Building EMS on CO <sub>2</sub> emission reduction <i>Rui Yang, General Manager, Century Microentropy Co. Ltd. Beijing</i>
15:00-15:15	0195: Study on thermal storage characteristics of the vertical cylindrical tank <i>Haisheng Chen, Liang Wang, Wen Li, Zheng Yang</i>	0083: Analysis of the thermal effect about groundwater flowing to the nest of tubes heat transfer <i>Jun Yang</i>	Panasonic Intelligent Community Innovations for better Global Environment <i>Qiang Zheng, Director, Panasonic China</i>
15:15-15:30	0114: Temperature and Precipitation in the Last Century in Mainland of Portugal <i>Ligia-Maria Amorim, Filipe-Duarte Santos</i>	0004: Aryas Cycle -Climate Change natural: Impact on Water and Energy resources in Himalaya <i>Ritesh Arya</i>	Cloud-Based Building Energy Management <i>Yamin Xu, Director, Schneider Electric China</i>
15:30-15:45	0120: Causes, Effects and Implications of Climatic Change in Nigeria <i>Anyanwun Stella Ngozika, Ulikwe Obiefuka Kelvin</i>	0043: The Problem of Water Supply of Uzbekistan in Connection with Climate Change <i>Shah-Ahmad Shanazar Ogly Mutalov, Shahnoza Mavlanova, Yuri Petrov</i>	HVAC control system (safety, comfort and energy-saving) <i>Dong Xu, Director, Siemens China</i>
15:45-16:00	Coffee Break		
	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session TUE-4-A	Session TUE-4-B	Specialized Session TUE-4-C
	Forest Studies (2) Chair: <i>Rami S. El-Eman</i>	Thermal System and Heat Transfer Related Topics (3) Chair: <i>Hao Wang</i>	Marine Renewable Energy Chair: <i>Hongda Shi</i>
16:00-16:30	K-4-A 0094: Analyses of the Possibility of Energy Forest as a Carbon Sink <i>Yuzhi Wang, Fenghua Liu, Hao Xu</i>	K-4-B 0054: Numerical Study on Heat Transfer Enhancement of Offset Cylinder Arrays in Transition Flow <i>Wei You, Lijuan Wang, Shaodong Zhou, Guannan Xi</i>	K-4-C 0138: Study on Heaving Buoy’s Wave Energy Convertor and Its Mooring System <i>Hongda Shi, Dong Wang, Jinghui Song, Zhe Ma</i>

16:30-16:45	0149: Preparation of Activated Carbon from Poplar Wood and Its Chemical Activation Mechanism <i>Zhanyong Li, Hui Wang, Kaiwei Wang, Qing Xu, Wei Tian</i>	0038: Study on the Solar Heat Pump Heating System in the Agricultural and Pastoral Areas in Inner Mongolia <i>Zengguang Cui, Ning Li, Linfeng Li, Xinrong Zhang</i>	0134: Modeling Analysis of the Influence of Wave Farm to Nearshore Hydrodynamics Forces <i>Bingchen Liang, Xuesong Zhang, Fei Fan, Hairong Fan</i>
16:45-17:00	0082: Implications of Global Warming for the Climate of African Rainforests <i>Ewurum Okey, Okey-Ewurum Ijeoma Galaxy</i>	0056: Power generation system of the ferri-ferrous Oxide Magnetic Fluid <i>Luo Feng, Xu Shuang-Yan, Li Ming-Jun, Zhang Huan</i>	0137: A Promising Method for Real Time Simulation of Tidal Current Power Farm <i>Jie Lin, Bin-Liang Lin, Ya-Ling Chen, Jian Sun</i>
17:00-17:15	0063: Community Based and Participatory Forest Management in Africa <i>Yared Beyene</i>	0208: A numerical investigation on the thermal performance of a cascaded latent heat storage unit <i>YiFei Wang, Liang Wang, Haisheng Chen, Ningning Xie</i>	0139: Optimal Layout of the Tidal Stream Turbines in Tidal Power Farm Enable Capture More Tidal Energy <i>Junzhe Tan, Shujie Wang, Peng Yuan, Dandan Wang, Hepan Ji</i>
17:15-17:30	0183: Economic Optimization of Indirect Sewage Sludge Heat Dryer Unit for Sewage Sludge Incineration Plants <i>Sinan Demir</i>	0180: Traveling-Wave Solutions to Boundary Convection Problems of Supercritical Fluids: Preliminary Results <i>Yan Zhao, Lin Chen, Xin-Rong Zhang</i>	0140: Research on Artificial Muscles Tidal Current Energy Converter Based on Viv Theory <i>Shuang Wu, Peng Yuan, Shujie Wang, Junzhe Tan, Dongwang Chen, Omer Rauf</i>
17:30-17:45			0035: An Example of Passenger Transporting by Rail System Using Wind Energy <i>Mine Sertsöz</i>

17:45- Free Time

**Wednesday, 28 May, 2014**

8:30-16:00 Registration @ Lobby of the Hotel

8:30-9:15	Elites Banquet Hall 群英厅	<b>Keynote Lecture (7)</b> <i>Kezhong Jiang: Economic Analysis of LNG Cold Energy Utilization</i> Chair: Mark D. Schwartz	
9:15-10:00	Elites Banquet Hall 群英厅	<b>Keynote Lecture (8)</b> <i>Zuomin Dong: Green Transportation Through Optimal Design, Planning and Control – A Solution to Energy Efficiency Improvement and Emissions Reduction</i> Chair: Mark D. Schwartz	
10:00-10:15	Elites Banquet Hall 群英厅	Coffee Break	
	Elites Banquet Hall 群英厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session WED-5-A Waste Treatment and Pollution Control (1)	Session WED-5-B Scientific Innovations for Climate Change Issues	Session WED-5-C Hydrogen and Methane Studies (1)

	Chair: <i>Yuhiro Iwamoto</i>	(2) Chair: <i>Takuya Kuwahara</i>	Chair: <i>Yuhui Cao</i>
10:15-10:45	K-5-A 0172: CO <sub>2</sub> Bio-Fixation through Blue green algae growth with approximating seawater medium <i>Hongxu Li, Sicong Yu, Yu Chen, Binbin Liu</i>	K-5-B 0171: Optimization of A Supercritical CO <sub>2</sub> based Solar Ranking System <i>Xiaodong Niu</i>	K-5-C 0027: Comparative Exergo-Environmental Assessments of Solar Based Hydrogen Production Systems <i>T.A.H. Ratlamwala, I. Dincer</i>
10:45-11:00	0161: Co-digestion of Waste Activated Sludge and Silaged Mix of Chicken Litter and Fodder Beet <i>B. Zaharinov, S.H. A. Gencheva, G. Kostadinova, M. Peychinova, Z. Shindarska, S. G. B. Baykov</i>	0106: Hydraulic Characteristics of the Francis Turbine with Various Groove Shapes of Draft Tube <i>Youn-Jea Kim, J.-H. Jeon, H.-S. Seo</i>	0001: Enhancement of Hydrogen Storage Capacity on Lithium Cation-doped (6,0) Single Walled Carbon Nanotube: A Principle Study of Hydrogen Physisorption Properties <i>Ihsan Ahmad Zulkarnain</i>
11:00-11:15	0089: Adsorption of textile pollutant from aqueous solutions using Algerian clay untreated: Equilibrium and parameters batch studies <i>Berrama Tarek</i>	0006: Study of Aerodynamic Performance of Wind Turbine Blade Airfoils Under Blade Flexible Deformation <i>Chen Yan, Gong Jia-hui, Zhong Ming</i>	0151: Using Agent-based Model to Simulate Herders' Adaptation to Climate Change and Its Effects on Local Grassland in the Arid Keshikten Banner of Inner Mongolia <i>Chengcheng Zhang</i>
11:15-11:30	0181: Agroecologic Valuation of Organic Wasted in Different Technologies of Storage <i>Bayko Baykov</i>	0101: Comparative Environment Impact Assessment of Two Integrated Renewable Energy Based Systems for Multigeneration <i>Hasan Ozcan, Ibrahim Dincer</i>	0136: Natural Convection Supercritical Fluid Systems for Geothermal, Heat Transfer and Energy Conversion <i>Lin Chen, Bi-Li DENG, Xin-Rong ZHANG</i>
11:30-11:45	0007: Management of solid waste in Jammu city of India: major drawbacks and solutions <i>Uttam C.Sharma, Vikas Sharma</i>	0055: Energetic and Exergetic Assessment of a Mini Class Gas Turbine Enging <i>Yasin Sohret, Kahraman Coban, Mehmet Ziya Sogut, Onder Turan, Tahir Hikmet Karakoc</i>	0048: Methane production from napier grass by two-stage anaerobic digestion <i>Nusara Sinbuathong, Yuwadee Sangsil, Suchat Leungprasert, Suriya Sawanon</i>
11:45-12:00	0144: Distribution of Total Water Pollutants by Comprehensive Weight Coefficients <i>Li Zhou</i>	0025: A Centrifugal Turbine used in a SRCS system <i>Xiaodong Niu, Xing-Wei Zhang, Hiroshi Yamaguchi</i>	0099: Complete Pool Boiling Curve of Methane and Other LNG, As Well As LNG mixture under different Pressure <i>Zhihan Chen</i>
12:00-13:30	Lunch (Buffet) @ Sunrise Restaurant 辰光咖啡厅		
	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session WED-6-A Energy Technology and Global Warming Solutions Chair: <i>Dan Zhang</i>	Specialized Session WED-6-B Global Warming and Phenology Response (1) Chair: <i>Xiaoqiu Chen</i>	Specialized Young Scholar Session WED-6-C Critical Fluid Dynamics and Heat Transfer Topics (1) General Introduction Chair: <i>Lin Chen</i>

14:00-14:30	K-6-A Environmentally-Friendly Manufacturing and parallel Robotic Manipulators <i>Dan Zhang</i>	K-6-B 0022: Modeling and predicting spring land surface phenology of the Deciduous Broadleaf Forest in northern China <i>Xiangzhong Luo, Xiaoqiu Chen</i>	K-6-C Opening for the Young Scholar Session Lab of Renewable Thermal Energy (Peking University, China) <i>Lin Chen</i>  State Key Laboratory of Multiphase Complex Systems (Institute of Process Eng., CAS) <i>Yi Jin</i>
14:30-14:45	0107: Thermodynamic Studies on Solar Thermochemical Fuel Production with a Membrane Reactor <i>Hongsheng Wang, Yong Hao, Hui Kong</i>	0005: Spatiotemporal analysis of ground-based woody plant leafing in response to temperature in temperate eastern China <i>Guohua Liu, QiuHong Tang</i>	Engineering Thermodynamics (Tsinghua U, China) <i>Ruina Xu/Feng Luo</i>
14:45-15:00	0018: Effects of water vapor dilution on the ignition of premixed methane / air mixtures <i>Weikuo Zhang, Xiaolong Gou, Zheng Chen</i>	0020: Characteristics of spring phenological changes in China over the past 50 years <i>DAI Junhu, WANG Huanjiong, GE Quansheng</i>	Lab of Fluid Mechanics (Doshisha University, Japan) <i>Yuhiro Iwamoto</i>
15:00-15:15	0031: The Effectiveness of Single-stage /Multi-stage Biological filter tower in treating volatile Organic waste gas <i>Yuying Guo, Chongwei Cui</i>	0023: Temporal trends of winter wheat phenology in the North China Plain under the climate change <i>Sun Shuang, Yang Xiaoguang, Liu Zhijuan, Li Kenan</i>	University of Chinese Academy of Sciences <i>Yuhui Cao</i>
15:15-15:30	0225: Efficiency and Environmental Assessment of Boimass Gasification for Hydrogen and Power Production <i>Rami Salah El-Emam, Ibrahim Dincer, Salah H. El-Emam</i>	0024: Temporal variation of agro-meteorological conditions before and during winter for winter wheat in Yellow and Huai River Reaches <i>Zheng Dongxiao, Yang Xiaoguang, Liu Zhijuan, Li Kenan</i>	Institute of Applied physics and computational mathematics <i>Yousheng Zhang</i>
15:30-15:45	0186: Effects of probabilistic climate change on carbon emissions and overheating for a detached house <i>Wei Tian</i>	0175: Precipitation Trends of the past and the future in the Major Portuguese Hydrological Region <i>L.M. amorim, F.D. Santos, M. Pulquério, M.J. Cruz, L.F. Nunes</i>	University of Ontario Institute of Technology <i>Hasan Ozcan (UOIT, Canada)</i>
15:45-16:00	Coffee Break		
	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session WED-7-A Scientific Innovations for Climate Change Issues (3)	Specialized Session WED-7-B Global Warming and Phenology Response (2) Chair: <i>Xiaoqiu Chen</i>	Specialized Young Scholar Session WED-7-C Critical Fluid Dynamics and Heat Transfer Topics (2) Specific Talks

	Chair: <i>Ceji Fu</i>		Chair: <i>Yuhiro Iwamoto</i>
16:00-16:30	K-7-A 0115: Experimental Studies on Super Clean Diesel Power Generation Using Nonthermal Plasma Hybrid After Treatment <i>T. Kuwahara, M. Okubo, T. Kuroki</i>	K-7-B 0029: Assessing the Global-Scale Phenological Response to Climate Change <i>Mark D. Schwartz</i>	K-7-C 0179: Micro-Scale Near-Critical Fluid Thermal Convective Flow and Its Basic Mixing Characteristics <i>Lin Chen (PKU)</i>  0177: Investigation of Enhanced Geothermal System with CO <sub>2</sub> as Working Fluid <i>Ruina Xu/Feng Luo (TsingHua U)</i>
16:30-16:45	0065: A research on Microwave and Conventional Pyrolysis for Low Rank Coal <i>Xin Li, Yonghui Song, Junwei Shi</i>	0041: Grass landscape and dominant species green up phenology's simulation and prediction in Inner Mongolia, China <i>Jing Li, Xiaoqiu Chen</i>	0040: Environmental Impact Assessment of Hydrogen Production Methods from Renewable and Non-Renewable Sources <i>Canan Acar, Ibrahim Dincer (UOIT)</i>
16:45-17:00	0075: The Effect of Different Piston Configurations on Fluid Flow Characteristic of Di Diesel Engine <i>Sushma Hanumanthkari</i>	0045: A new autumn leaf coloring model for six deciduous trees in northern China <i>Lin Xu, Xiaoqiu Chen</i>	0178: System Performance of Solar Water Heater using Supercritical Carbon Dioxide <i>Iwamoto (Doshisha U)</i>
17:00-17:15	0077: Investigation of Energy and Exergy Performances of a Regional Airline Turboprop Engine: A Case of PW120A <i>Yasin Sohret, Mehmet Ziya Sogut, Tahir Hikmet Karakoc, Onder Turan</i>	0051: Modelling and predicting spring and early summer phenology of <i>Melia azedarach</i> in southeastern China <i>Lingxiao Wang, Xiaoqiu Chen</i>	0142: Thermal energy storage materials: enhancement of thermal conductivity <i>Zhiwei Ge, Feng Ye, Guanghui Leng, Yulong Ding</i>
17:15-17:30	0194: The feasibility study on blast furnace low temperature heat source refrigeration for dehumidified blast <i>Zongwei Han</i>	0080 :Temporal and spatial variation of remote sensing phenology of alpine grasslands on the Qinghai-Tibet Plateau from 2001 to 2010 and its ground-based validation <i>Shuai An, Xiaoqiu Chen</i>	0156: A Numerical Investigation on How to Efficiently Utilize Carbon Dioxide in Convection-based Energy Systems <i>Yuhui Cao (CAS)</i>
17:30-17:45	0036: Biomass Flow and Carbon Sequestration in an Organic Farm <i>L. HongYeng, P. Agamuthu</i>	0058: Comparative Life Cycle Analysis of a District Heating Distribution System <i>Christopher .J. Koroneos, Evanthia A. Nanaki</i>	0152: A generalized Reynolds analogy for compressible wall-bounded turbulent flows <i>Yousheng Zhang</i> <i>Institute of Applied Physics and Computational Mathematics</i>
18:00-20:30	Banquet @ YiYuan Chinese Restaurant 怡园中餐厅		
<b>Thursday, 29 May, 2014</b>			
8:30-12:00 Registration @ Lobby of the Hotel			

	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session THU-8-A Hydrogen and Methane Studies (2) Chair: <i>Jianbo Zhang</i>	Session THU-8-B Waste Treatment and Pollution Control (2) Chair: <i>Munir Suner</i>	Specialized Session THU-8-C Heat Pump Heating and Cooling Chair: <i>Zhentao Zhang</i>
8:30-9:00	K-8-A 0147: Integrated Gasification Syngas Condition and Catalytic Conversion Process For Boimass to Wide-cut Diesel Production <i>Fei Yu</i>	K-8-B 0096: Measurement of Copper and Zinc Concentrations in Two Flood –plain Soils <i>Ibrahim Iss</i>	K-8-C 0168: Theoretical analysis and comparison of performance on heat pump system for flue-cured tobacco based on isenthalpic and isothermal process <i>Lü Jun, Wei Juan, Zhang Zhentao, Yang Luwei, Li Zhang, Li Zhaomin</i>
9:00-9:15	0049: Feasibility study for biohydrogen production from normal brewery wastewater <i>Nusara Sinbuathong, Chamaiporn Somjit, Suchat Leungprasert</i>	0157: Decolorization of dyes in water using H <sub>2</sub> O <sub>2</sub> /UV and photo-Fenton treatment. <i>Mohamed Belmedani, Insaf Ould Brahim, Ahmed Belgacem, Zahra Sadaoui</i>	0165: Advancement of Mechanical Vapor Recompression Heat Pump <i>Pang Weike, Lin Wenye, Dai Qunte, Yang Luwei, Zhang Zhentao</i>
9:15-9:30	0047: Methane production from napier grass by co-digestion with cow dung <i>Suriya Sawanon, Piyanee Sangsri, Suchat Leungprasert, Nusara Sinbuathong</i>	0066: Heat Transfer mechanism of Radiation Process by Functional Materials <i>Jia-Wei Li, Xin-Rong Zhang</i>	0123: Study on Zero Discharge Technology of Concentrated Seawater from Desalination <i>Zhang Le</i>
9:30-9:45	0158: Determine the effect of compost received in production of biogas and its impact on yield and quality of crop production <i>V. Petrova, V. Kolchakov, E. Zlatareva, P. Ivanov, S. Marinova, H. Pchelarova</i>	0121: Numerical Simulation on Combustion and NO <sub>x</sub> Emissions of a Power Plant Bolier <i>Alireza Rostamzadeh, Hamed Mohammadzadeh</i>	0166: Energy Efficiency Analysis and Optimization of Centrifugal Compressor <i>Zhong Xi, Jingxin Liu, Xinhong Li</i>
9:45-10:00	0163: Possibilities of Biogas Production from Waste the Potential Barriers and Legal Notices <i>Viktor Kolchakov, Vera Petrova, Totka Mitova, Plamen Ivanov, Svetla Marinova</i>	0159: Agrochemical and Chemical Assessment of Waste from Livestock Farms <i>Svetla Marinova, Dimitranka Stoecheva, Elena Zlatareva, Vera Petrova, Plamen Ivanov, Anna Katsarova</i>	0170: The Study of a Security Monitoring System Based on the Infrared Servo <i>Yong man Lin, Xin rong Zhang, Wei hua Guan</i>
10:00-10:15	0155: Numerical Analysis of Air Flow around a Hot Water Radiator for its Structure Improvement <i>J. Wang, Z. Li, R. Wang, Q. Xu, Wei Tian</i>	0160: Determine the Effect of Sludge from Waste Water Treatment Plants/WWTP on Forest Tree Species in Order to Create Energy Crops in Bulgaria <i>Totka Todorova Mitova</i>	0067: Thermodynamic Models for Compressible Fluid Flow Heat Transfer Optimization and Its Numerical Verifications <i>Meng-He Sun, Xin-Rong Zhang</i>

10:15-10:30	Coffee Break		
	Science Lecture Hall 科学报告厅	Lake View AD 观湖会议厅	Tower Shadow A 映塔会议厅
	Session THU-9-A Scientific Innovations for Climate Change Issues (4) Chair: <i>Lin Chen</i>	Session THU-9-B Climate Change and Industry Development Chair: <i>Fei Yu</i>	Session THU-9-C Energy Efficiency and Resources Management Chair: <i>Hang Yin</i>
10:30-11:00	K-9-A 0052: Micro compression ignition engine CHP with raw <i>Jatropha</i> oil fuelling: an experimental study on visualization of atomization and engine performance <i>Baichuan Guo, Dawei Wu</i>	K-9-B 0108: Unbalanced Carbon Emissions in Urban Studies <i>Xu Zhenjun, Liu Shuo, Ding Yunxiao</i>	K-9-C 0113: Experimental study on the performance of solar water heater using supercritical carbon dioxide <i>Yuhiro Iwamoto, Hiroshi Yamaguchi, Xiao-Dong Niu Takuya Kuwahara Xin-Rong Zhang</i>
11:00-11:15	0135: Numerical Simulation on the Optical and Thermal Performance of Integrated Compound Parabolic Concentrator <i>Lin Chen, Jia-Xiang Chen, Xin-Rong Zhang</i>	0132: What Potential Has The Bamboo in Nigeria's Industrial Sector? <i>Uzoka. O.F., Osume. F.N, Olaiya. A.F</i>	0062: The impact of probabilistic climate change on thermal performance in UK houses <i>Wei Tian, Pieter de Wilde</i>
11:15-11:30	0124: A New Approach for Technology Needs Assessment in Industry for Developing Countries <i>B. Hilmioglu, N. Akalin, S. Karahan, A. Avihal, E. G. Çakmak, K. Rende</i>	0143: Investigation and Analysis of New Energy Technology Application status in Beijing-water Source Heat Pump System <i>Li Zhou, Xiaoyan Li, Sun Juan</i>	0164: The enthalpy resistance application in elliptical coil cold storage system <i>Wei hua Guan, Yong man Lin, Xin rong Zhang</i>
11:30-11:45	0069: Mathematical modelling and simulation of the interaction between gas jets and molten bath <i>Huizhi Wang, Rong Zhu, Huan Wang, Fuhai Liu, Runzao Liu</i>	0102: Emerging Smart Grid Technology for Mitigating Global Warming <i>Xue Zhang</i>	0141: The Waste Heat Recovery Research on Plant Cycle Cooling Water in a Large Span Critical CO <sub>2</sub> Heat Pump <i>Shaoru Wang</i>
11:45-12:00	0238: The Study of The Flow Channel Optimization based on Large Air Flow of No Power Injection Systems <i>Yongman Lin, Xinrong Zhang, Chengzhi Yang</i>	0060: Energy Efficiency Analysis and Experiments on a New Refrigeration Design <i>Chao Wang, Xin-Rong Zhang</i>	0162: Establish Changes in the System Soil-Fertilizer-Plant as a Result of Fertilization with Sludge from Waste Water Treatment Plant <i>Elena V. Zlatareva, S. Marinova, B. Baykov, T. Mitova, V. Petrova, V. Kolchakov</i>
12:00-	Free Time		