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## Part I Conference Schedule

### Tuesday, August 21<sup>st</sup>, 2018

Time	Activity	Location
09:00-19:30	Registration	The Lobby of Guangdong Hotel Shanghai

Notes: Please inform us your **Paper ID** (such as FES1234) when you register.

### Wednesday Morning, August 22<sup>nd</sup>, 2018

Time	Activity	Location
09:00-09:05	Opening Ceremony: Conference General Chair: Prof. Hermann-Josef Wagner	GDH Hall, 2 <sup>nd</sup> Floor
09:05-09:45	Keynote Speech 1: Enzymatic Hydrolysis of Paulownia Pulp Speaker: Prof. Shijie Liu	
09:45-10:25	Keynote Speech 2: Life Cycle Assessment of the Offshore Wind Farm Alpha Ventus Speaker: Prof. Hermann-Josef Wagner	
10:25-11:00	Pose for a Group Photo and Coffee Break	
11:00-12:00	Poster Presentation	

### Wednesday Noon, August 22<sup>nd</sup>, 2018

Time	Activity	Location
12:00-13:00	Lunch	Yulan Hall, 1 <sup>st</sup> Floor

**Wednesday Afternoon, August 22<sup>nd</sup>, 2018**

Time	Activity: Oral Presentations	Location
13:30-18:00	Session 1: Energy Storage Materials	Kapok Hall, 4 <sup>th</sup> Floor
13:30-18:00	Session 2: Energy System and Thermodynamics	Lanhua Hall, 1 <sup>st</sup> Floor

**Wednesday Evening, August 22<sup>nd</sup>, 2018**

Time	Activity	Location
18:00-18:50	Dinner	Yulan Hall, 1 <sup>st</sup> Floor
19:00-21:30	Huangpu River Night Cruise	Assemble at the Lobby of Guangdong Hotel Shanghai

**Thursday Morning, August 23<sup>rd</sup>, 2018**

Time	Activity: Oral Presentations	Location
09:00-12:00	Session 3: Bioenergy and Wind Energy	Lanhua Hall, 1 <sup>st</sup> Floor
09:00-12:00	Session 4: Energy Management	Kapok Hall, 4 <sup>th</sup> Floor

**Thursday Noon, August 23rd, 2018**

Time	Activity	Location
12:00-13:00	Lunch	Yulan Hall, 1 <sup>st</sup> Floor

**Thursday Afternoon, August 23rd, 2018**

Time	Activity: Oral Presentations	Location
14:00-18:00	Session 5: Solar Energy	Kapok Hall, 4 <sup>th</sup> Floor
14:00-18:00	Session 6: Energy and Environment	Lanhua Hall, 1 <sup>st</sup> Floor

**Thursday Evening, August 23rd, 2018**

Time	Activity	Location
18:30-20:00	Welcome Banquet & Awarding Ceremony	GDH Hall, 2 <sup>nd</sup> Floor

**Friday, August 24th, 2018**

Time	Activity: One Day Tour
08:30-17:30	Guangdong Hotel Shanghai--the Oriental Pearl TV Tower--Zhujiajiao Ancient Town

## 大会日程

**2018 年 8 月 21 日，星期二**

时间	日程安排	地点
09:00-19:30	注册报到	上海粤海酒店大堂

注：1) 会议期间请随身携带参会胸牌。

2) 注册时请告知您的文章编号（如：FES1234）。

**2018 年 8 月 22 日，星期三，上午**

时间	日程安排	地点
09:00-09:05	开幕式：大会主席 Hermann-Josef Wagner 教授	二楼粤海厅
09:05-09:45	主题报告 1: Enzymatic Hydrolysis of Paulownia Pulp 演讲人：Shijie Liu 教授	
09:45-10:25	主题报告 2: Life Cycle Assessment of the Offshore Wind Farm Alpha Ventus 演讲人：Hermann-Josef Wagner 教授	
<b>10:25-11:00</b>	<b>茶歇 &amp; 合影</b>	
11:00-12:00	张贴报告	

**2018 年 8 月 22 日，星期三，中午**

时间	日程安排	地点
12:00-13:00	午餐	一楼玉兰厅

**2018年8月22日，星期三，下午**

时间	日程安排：口头报告	地点
13:30-18:00	分会场 1: Energy Storage Materials	四楼木棉厅
13:30-18:00	分会场 2: Energy System and Thermodynamics	一楼兰花厅

**2018年8月22日，星期三，晚上**

时间	日程安排	地点
18:00-18:50	晚餐	一楼玉兰厅
19:00-21:30	夜游黄浦江	上海粤海酒店大厅集合

**2018年8月23日，星期四，上午**

时间	日程安排：口头报告	地点
09:00-12:00	分会场 3: Bioenergy and Wind Energy	一楼兰花厅
09:00-12:00	分会场 4: Energy Management	四楼木棉厅

**2018年8月23日，星期四，中午**

时间	日程安排	地点
12:00-13:00	午餐	一楼玉兰厅

**2018年8月23日，星期四，下午**

时间	日程安排：口头报告	地点
14:00-18:00	分会场 5: Solar Energy	四楼木棉厅
14:00-18:00	分会场 6: Energy and Environment	一楼兰花厅

**2018年8月23日，星期四，晚上**

时间	日程安排	地点
18:30-20:00	颁奖晚宴	二楼粤海厅

**2018年8月24日，星期五**

时间	日程安排
08:30-17:30	东方明珠-朱家角

## Part II Keynote Speeches

### Keynote Speech 1: Biodegradable and Edible Starch-based Composites

**Speaker: Prof. Shijie Liu**

**Professor and Associate Chair, Department of Paper and Bioprocess Engineering, State University of New York, New York, USA.**



Programing Chair, Forest Bioproductc Division, AIChE

Chair, TAPPI Nonwood Fibers Committee, 2008-2010

Vice Chair, TAPPI Nonwood Fibers Committee, 2007-2008

Professional Societies:

AIChE – 2005 - to date (American Institute of Chemical Engineers, USA):

Forest Products Division; Food, Pharmaceutical & Bioengineering Division.

Society for Biological Engineering – 2005 - to date

Published over 160 referred journal articles, a textbook in Bioprocessing Engineering.

**Speech abstract:** As one of the most abundant polymers on earth, lignocellulosics or cellulose from woody biomass is an important industrial raw material and source of renewable energy. The enzymatic hydrolysis of cellulose pulp to glucose by cellulase is one of the major methods to convert lignocellulosic biomass to biofuel and biomaterials. Enzymatic hydrolysis, catalyzed by cellulase, is a heterogeneous reaction, which is influenced by characteristics of cellulose (e.g. crystallinity, the degree of polymerization and accessible surface area) and other biomass components (lignin and hemicellulose). In this study paulownia pulp, after hot-water pretreatment and delignification was utilized as the substrate while a preparatory commercial cellulase composed of endoglucanase, exo-glucanase, and  $\beta$ -glucosidase was employed as the catalyst. The effect of temperature and pH were investigated. In the temperature experiment, the highest yield of sugar was reached at 55 °C in 72 hours. For the pH, the highest conversion was achieved at 4.8 in 96 hours. Kinetic studies were performed with different enzyme loadings. Proton NMR was used for the quantification of glucose and cellobiose. The highest glucose yield in 166 hours was found to be 62.5% at 18.5FPU/g while cellobiose remained at a low and relatively constant concentration during the process. A kinetic model was developed based on a proposed mechanism to explain the production of glucose. The hydrolysis rate was found to increase with increasing temperature at short reaction times, while decrease with increasing temperature at long reaction times.



## Keynote Speech 2: Life cycle assessment of the offshore wind farm alpha ventus

**Speaker: Prof. Dr.-Ing. Hermann-Josef Wagner**

**Professor, Ruhr-University Bochum, Germany.**



photo: Damian Gorczany

H.-J. Wagner is a professor for Energy Systems and Energy Economics at the Ruhr-University of Bochum, Germany. His relevant experiences are on the fields on energy systems analysis, renewable energies like solar and wind energy and life cycle analysis. He published about 246 articles in international and national journals and books. He is editor of the book series “Energy and Sustainability”. He is member in German Association of Engineers (VDI) where he held the chairmanship of the division of Energy Engineers (GEE) with about 13.000 members over 6 years and later the division of Energy and Environment (GEU)

with about 23.000 members over six years until summer of the year 2015. He was decorated with two honorary medals of German engineers. He was also admitted as member by the German Academy of Sciences Leopoldina and worked as an academy consultant for energy politics. The Tianjin Municipal People’s Government decorated him with the Haihe Award of Honour Tianjin China. The German President decorated him for his engagement with the Order of Merit of the Federal Republic of Germany in the year 2010.

**Speech abstract:** Due to better wind conditions at sea, offshore wind farms have the advantages of higher electricity production compared to onshore and inland wind farms. In contrast, a greater material input, leading to increased energy consumptions and emissions during the production phase, is required to build offshore wind farms. These contrary effects are investigated for the first German offshore wind farm alpha ventus in the North Sea. In a life cycle assessment, its environmental influence is compared to that of Germany’s electricity mix. In comparison to the existent electricity mix, in Germany alpha ventus had better indicators in nearly every investigated impact category. One kilowatt-hour electricity, generated by the wind farm, was burdened with 0,137 kWh Primary Energy-Equivalent and 32 g CO<sub>2</sub>-Equivalent, which represented only a small proportion of the accordant values for the mix. Furthermore, the offshore foundations as well as the submarine cable were the main energy intensive components. The energetic and greenhouse gas payback period was less than one year. Therefore, offshore wind power, even in deep water, is compatible with the switch to sustainable electricity production relying on renewable energies. It was the first published eco-balance for an offshore wind park worldwide.

## Part III Poster Session

### Materials Provided by the Conference Organizer:

- X Racks & Base Fabric Canvases (60cm×160cm, see the figure below)
- Adhesive Tapes or Clamps

### Materials Provided by the Presenters:

- Home-made Posters or Posters printed by the Conference

### Requirement for the Posters:

- Material: not limited, can be posted on the Canvases
- Size: 60cm×160cm and set aside proper space all around
- Content: clear and easy to be understood.
- Please make the paper number FES\*\*\*\* as the head of the poster.
- We would print and take the posters sent us before August 1<sup>st</sup> to the conference site.

**Location:** GDH Hall, 2nd Floor, Guangdong Hotel Shanghai



**Poster Session****Time: 11:00-12:00, August 22<sup>nd</sup>, 2018****Location: GDH Hall, 2<sup>nd</sup> Floor**

Paper ID	Title	Author
FES1743	Renewable hydrogen in gas grids, effects on laminar burning velocities	Sven Eckart
FES1748	Reduction of electric energy for the manufacture of carboxymethylated cellulose nanofibril by applying electron beam irradiation	Jo Hae Min
FES1749	Study on grinding energy reduction for the manufacture of cellulose nanofibril	Kim Kyung Min
FES1845	Research on current imbalance law of bus - bar caused by inter - turn short circuit of dry-type air - core reactor	Xiaoguang Liu
FES1852	Effect of electron beam irradiation on electric energy of refining process for the manufacture of cellulose nanofibril	Ji Young Lee
FES1870	Parameters tuning of doubly fed induction generator systems with static synchronous compensator based on chaos orthogonal particle swarm optimization	Wei Wei
FES1878	Production of hydrogen from steam reforming of dimethyl ether over bifunctional catalysts containing Cu/CeO <sub>2</sub> and heteropolyacids	Yanyong Liu
FES1886	Evaluation system for the energy efficiency effects of energy-saving Transmission network	Haoming Liu
FES1887	Coordinated control of PVs in medium and high voltage distribution network based on voltage partitioning and pilot nodes selection	Haoming Liu
FES1899	Green House Gas Emission Reduction by the Selection Efficient Lighting System	Andrés Hidalgo
FES1905	Research on Relationship Model between Fuel Consumption of Transportation Vehicles and Speed in Region of Hohhot	Hong Zhang
FES1916	Study on Energy-saving Reconstruction Plans for Cold End System of Direct Air-cooling Unit	Kai Lv
FES1920	Electrochemical approach to prepare integrated air electrodes for highly stretchable zinc-air battery array for wearable electronics	Shengxiang Qu
FES1921	Coordinated control strategy of doubly fed wind power generation system under unbalanced grid voltage	Yilong Kang
FES1943	An improved optimal control strategy for hybrid AC/DC power system	Ziwen Liu
FES1944	Study on the Performance of Indirect Air-Cooled System Influenced by Environmental Temperature	Chao Wan

FES1946	Optimal scheduling modelling for wind power accommodation with compressed air energy storage and price-based demand response	Yaowang Li
FES1953	Two-layer QoS-guaranteed backbone communication network modeling for power protection services	Jun Lu
FES1958	Co-digestion of Cow Dung on Methane Production from Food Waste	Qin Li
FES1962	H <sub>2</sub> and CO <sub>2</sub> uptake for Ca- and Li-doped mesoporous silica	Eun-Bum Cho
FES1967	Temperature rise characteristics of vertical grounding electrodes of ultra-high voltage DC $\pm$ 800 kV Pu'er converter station	Dong Yang

## **Part IV Oral Presentations**

### **Devices Provided by the Conference Organizer:**

- Laptops (with MS-Office & Adobe Reader)
- Projectors & Screen
- Laser Sticks

### **Materials Provided by the Oral Presenters:**

- PowerPoint ( Note: Please show your paper ID as FES\*\*\*\*\* in the last page )

### **Duration of each Presentation (Tentatively):**

- Regular Speaker: 10 Minutes for Presentation, 3-5 Minutes for Q&A
- Invited Speaker: 15 Minutes for Presentation, 3-5 Minutes for Q&A

### **Time:**

- 13:30-18:00 on August 22<sup>nd</sup>, 2018
- 08:30-18:00 on August 23<sup>rd</sup>, 2018

### **NOTE:**

Please send us the PowerPoint once it is ready and have your presentation back up in a U-disk. You also need to tell the Session Chair (before the start of your Session) that you are present. Please kindly let us know ahead if you cannot present.

## Session 1: Energy Storage Materials

*Session Chair: Dr. Xin Chen, Professor, School of Materials Science and Engineering, East China University of Science and Technology, China.*

**Time:** 13:30-18:00, Wednesday, August 22<sup>nd</sup>

**Location:** Kapok Hall, 4<sup>th</sup> Floor

Paper ID	Time	Paper Title	Author
FES1735	13:30-13:50	Laser synthesis nanomaterial for enhanced light absorption	Bo Tan
FES1751	13:50-14:10	Low energy bandgap semiconducting materials for energy and environmental	Hyoyoung Lee
FES1757	14:10-14:30	Low Pt content proton exchange membrane fuel cell stack	V. Matolin
FES1758	14:30-14:50	Synchrotron radiation photoelectron study of model catalysts for fuel cells	I. Matolinova
FES1763	14:50-15:10	Heat transfer in pressurized solidification of magnesium alloy AJ62 for Energy-Efficient Automobiles	Henry Hu
FES1797	15:10-15:30	Preparation of hollow cubic $\text{Cu}_7\text{S}_4$ , $\text{Cu}_7\text{S}_4/\text{NiS}$ and nanocomposites for supercapacitor applications	Xin Chen
	15:30-15:45	<b>Coffee Break</b>	
FES1799	15:45-16:05	Efficient water splitting cascade photoanodes with ligand engineered oxygen evolution co-catalysts	Ho Won Jang
FES1802	16:05-16:25	The impact of redox cycling on nickel cermet anodes for solid oxide fuel cell	Bowen Song
FES1808	16:25-16:45	Multi-walled carbon nanotubes-metal-organic frameworks composites for hydrogen sorption	Turkan Kopac
FES1830	16:45-17:05	A new paradigm for graphene synthesis: transfer-free 4-inch-wafer-scale, high-quality graphene on polyethylene terephthalate (PET) substrates	Soon-Gil Yoon
FES1893	17:05-17:25	Remarkable hydrogen storage properties of metal atoms decorated boron and boron-nitrogen co-doped graphene	Jyh-Chiang Jiang
FES1817	17:25-17:45	Effects of thermally reduced graphene oxide in the photoanode on the properties of dye sensitized solar cells	Lihong (Heidi) Jiao
FES1837	17:45-18:00	High quality and monolayer graphene synthesized directly at 150 °C via chemical vapor deposition without transfer process	Byeong-Ju Park
FES1838	18:00-18:15	Pressure-light bimodal device using long-term stable $\text{MAPbI}_3$ thin films	Ji-Ho Eom

## Session 2: Energy System and Thermodynamics

*Session Chair: Alan L. Francoeur, Magnetic Energy Systems. British Columbia, Canada.*

**Time:** 13:30-18:00, Wednesday, August 22<sup>nd</sup>

**Location:** Lanhua Hall, 1<sup>st</sup> Floor

Paper ID	Time	Paper Title	Author
FES1738	13:30-13:50	Linking electricity, magnetism, gravity to singularity and creation of a star	Alan Francoeur
FES1731	13:50-14:10	Design and Test of a Compressed Air Driven Hydraulic Motor System with Compress air Booster	Dein Shaw
FES1732	14:10-14:30	Dynamics of cellular flame propagation for hydrogen	Junfeng Yang
FES1769	14:30-14:50	Investigation, control and mitigation of SSTI and SSCI associated with HVDC and wind plant installations	Jenny Z. Zhou
FES1844	14:50-15:10	Competition of geothermal technologies in power markets: The Chilean case	Luis Vargas
FES1891	15:10-15:30	Characteristic of turbulent premixed oxy-fuel combustion in the spark engine - A DNS study	Jun Peng
	15:30-15:45	<b>Coffee Break</b>	
FES1951	15:45-16:05	Steady state torque error reduction of Surface mount PMSM drives at low speeds with respect to parameter variations	Jae Suk Lee
FES1692	16:05-16:20	Accurate quantification of thermal boundary conditions within thermal systems	Yona Frekers
FES1816	16:20-16:35	Dynamics of a single droplet with different viscosity impact onto a stainless steel surface	Jianxin Li
FES1847	16:35-16:50	Virtual inertia control strategy of doubly-fed induction generator with additional inertia and damping torque	Chunli Zhu
FES1854	16:50-17:05	Experimental investigations on the cyclic variability of a large bore CNG engine	Chongmin Wu
FES1859	17:05-17:20	Operating stability study of SRM drive system based on variable excitation period single-pulse control for independent-wheel electric vehicle	Shuangfei Wang
FES1882	17:20-17:35	Oil immersed transformer fault diagnosis based on cross entropy algorithm optimized support vector machine	Hui He
FES1937	17:35-17:50	Probabilistic Power Flow Based on Slice Sampling for Distribution Network Containing Distributed Generations	Zhangyi

### Session 3: Bioenergy and Wind Energy

*Session Chair: Dr. Ye Huang, Reader, the Centre for Sustainable Technologies, School of the Built Environment, University of Ulster, United Kingdom.*

**Time:** 09:00-12:00, Thursday Morning, August 23<sup>rd</sup>

**Location:** Lanhua Hall, 1<sup>st</sup> Floor

Paper ID	Time	Paper Title	Author
FES1914	09:00-09:25	Integration of compressed air energy storage with wind generation into the electricity grid	Ye Huang
FES1733	09:25-09:50	Utilization of microwave-assisted-alkaline treated coconut husks for bioethanol production	Lisa G A Ong
FES1766	09:50-10:15	Integration of Fenton technology in biohydrogen production from oil palm biomass	Mohd Shaiful Sajib
FES1853	10:15-10:35	Evaluation of morphology and physicochemical properties of Malawian native cassava starch as potential polymer additives	K. K. Nyirenda
	<b>10:35-10:50</b>	<b>Coffee Break</b>	
FES1818	10:50-11:15	Effective sugar extraction from energy crop bagasse	Jiayang Liu
FES1885	11:15-11:35	Vibration reduction strategy of offshore wind turbine under wind and wave loads	Min Zhao
FES1957	11:35-11:55	Pre-treatment effects on ash melting characteristics of biomass fuel: Leaching on wheat straw	Shibo Wu

## Session 4: Energy Management

*Session Chair: Dr. Bao Yang, Professor, University of Maryland, College Park, USA.*

**Time:** 09:00-12:00, Thursday Morning, August 23<sup>rd</sup>      **Location:** Kapok Hall, 4<sup>th</sup> Floor

Paper ID	Time	Paper Title	Author
FES1848	09:00-09:20	Development of novel microemulsion absorption cooling systems	Bao Yang
FES1725	09:20-09:40	Effect of EV and FCEV diffusion within the automobile industries to Korean economy with an emission trading system: A CGE approach	Taek-Whan Han
FES1734	09:40-10:00	Overview of methods for vessel integrity maintenance under severe accident in PWR	Ningbo Lei
FES1933	10:00-10:20	Why was Spain a global wind power before the Great Recession? The CECRE from 2006 to 2012	Santiago M. Lopez
FES1746	10:20-10:35	Towards an innovation ecosystem: the case for stimulating collaboration in the Russian energy sector	Anna Yakovleva
	<b>10:35-10:50</b>	<b>Coffee Break</b>	
FES1874	10:50-11:05	A review of energy efficient methods for all-electric ships	Chalermkiat Nuchturee
FES1892	11:05-11:20	Cloud energy management system for building-scale AC/DC hybrid microgrid	Yuchuan Li
FES1935	11:20-11:35	DFIG primary frequency regulation strategy with optimal dynamic droop control under variable wind speeds	Kai Chen
FES1970	11:35-11:50	Structure optimization of nozzle in quick-freezer based on CFD	Zhichong Yu
FES1726	11:50-12:10	Generation and Utilization of Bio-Energy from Waste Materials in Rural Areas	B. C. Meikap



## Session 5: Solar Energy

*Session Chair: Dr. Ir.Kamaruddin Abdullah, Professor, Universitas Darma Persada, Indonesia.*

**Time:** 14:00-18:00, Thursday, August 23<sup>rd</sup>

**Location:** Kapok Hall, 4<sup>th</sup> Floor

Paper ID	Time	Paper Title	Author
FES1699	14:00-14:20	Performance of a recirculation type integrated collector drying chamber (ICDC) solar dryer	Kamaruddin Abdullah
FES1778	14:20-14:40	Stability extension of photovoltaic cells using 2D materials	Soo Young Kim
FES1682	14:40-15:00	Progress in concentrated solar power technology with parabolic trough collector system	Fuqiang Wang
FES1710	15:00-15:20	Solar water purifiers for small rural African homesteads: Evaluation of alternative designs	Kant Kanyarusoke
FES1712	15:20-15:40	Highly efficient back-junction PEDOT:PSS/n-Si hybrid solar cell with omnidirectional antireflection structures	Kien Wen Sun
FES1842	15:40-16:00	Modelling and robust predictive control of solar thermal power generation systems	Jianhua Zhang
	<b>16:00-16:15</b>	<b>Coffee Break</b>	
FES1858	16:15-16:35	Design, realisation and experimentation of a solar cooker fitted with an ellipsoidal concentrator: preliminary results of cooking tests	Siaka Toure
FES1928	16:35-16:55	The integration between photovoltaics and greenhouses and its impact on strawberry growth	Reda Hassanien
FES1901	16:55-17:10	Design and experimental study on thermal characteristics of thermal storage flat-plate solar collector	Lixian Xiao
FES1850	17:10-17:25	Experimental study of dust impact on power output degradation of various photovoltaic technologies deployed in West Timor, Indonesia	Julius Tanesab
FES1897	17:25-17:40	Experimental investigation on a vacuum still integrated with concentrating PVT hybrid system	Xinxin Guo
FES1898	17:40-17:55	Performance analysis of a novel LCPV/T system	Haowen Liu

## Session 6: Energy and Environment

*Session Chair: Dr. Lili Lu, Lead Research Scientist, Corporate Technology, Siemens Shanghai Center, China.*

**Time:** 14:00-18:15, Thursday, August 23<sup>rd</sup>

**Location:** Lanhua Hall, 1<sup>st</sup> Floor

Paper ID	Time	Paper Title	Author
FES1777	14:00-14:20	CO <sub>2</sub> to value: Single step direct electrocatalytic reduction of CO <sub>2</sub> toward CO and hydrocarbons	Lili Lu
FES1737	14:20-14:40	The key role of hydrogen in CO <sub>2</sub> emission reduction	Daniela Piccioni
FES1747	14:40-15:00	NEXUS: Integrated sustainable energy for enhancing Farm productivity	Ok-Youn Yu
FES1750	15:00-15:20	Evaluation of various solid waste produced after the Great East Japan Earthquake	Hiroshi Koseki
FES1876	15:20-15:40	Partial gasification of coal as advanced technology with high economic and ecological effect	Islamov Sergey
FES1917	15:40-16:00	Environmental assessment and prognostication--the case of agriculture	George Vlontzos
	<b>16:00-16:15</b>	<b>Coffee Break</b>	
FES1781	16:15-16:30	Load Management Possibilities of Electric Vehicles when Expansion Planning of Electric Power Systems	Veniamin Khanaev
FES1868	16:30-16:45	Bases for the preferential plan from an integrated energy resources planning	Miguel Edgar Morales Udaeta
FES1880	16:45-17:00	A CFD modeling study of reactive pollutant dispersion in an urban street canyon	Chengwei Liu
FES1890	17:00-17:15	Study on optimization of low-carbon renewal system for residential Area	Guochao Zhao
FES1909	17:15-17:30	The Study of dispersed catalyst on the viscosity reduction of unconventional oil	Zhiyuan Zhou
FES1949	17:30-17:45	Experimental study on random heat transfer of phase change heat storage device	Yaobin Xiao
FES1960	17:45-18:00	A new idea of building energy efficiency: the heat transfer coefficient changing with outdoor temperature wall	Sibin Zhang
FES1961	18:00-18:15	Structure optimization of nozzle in quick-freezer based on Response Surface Methodology	Yingyu Peng

## Part V Conference Venue

### 1. Conference Venue

Guangdong Hotel Shanghai (粤海酒店)

Address: 328 Yixian Road, Hongkou District, Shanghai

Website: <http://www.shgdh.com/en/index>

Tel: 86-21-55589888

### 2. Route

#### Route 1: Shanghai Hongqiao International Airport

##### 1) Metro: 90 minutes

Hongqiao Airport Terminal (虹桥 1 号航站楼站) – Line 10: Hong Qiao Road (虹桥路站) – Line 3: Jiang Wan Town (江湾镇站), Exit 4 – 650m

##### 2) Taxi: 100RMB/50 minutes/30km

#### Route 2: Shanghai Pudong International Airport

##### 1) Metro: 100 minutes

Line 2 East Extension – Guang Lan Road (广兰路站) -- Line 2: Century Avenue (世纪大道站) -- Line 4: Bao Shan Road (宝山路站) -- Line 3: Jiang Wan Town (江湾镇站), Exit 4 – 650m

##### 2) Airport Bus Line 4: 100 minutes/ Operating time: 7:00-23:00

Terminal 2 – Handan Lu Yunguang Road (邯郸路运光路) – 1.2km

##### 3) Taxi: 150RMB/60 minutes/50km

#### Route 3: Shanghai Railway Station

##### 1) Metro: 50 minutes

Line 3 (Jiang Yang North Road Direction) -- Jiang Wan Town (江湾镇站), Exit 4 – 650m

##### 2) Taxi: 40RMB/25 minutes/9km

#### Route 4: Shanghai South Railway Station

##### 1) Metro: 60 minutes

Line 3 (Jiang Yang North Road Direction) -- Jiang Wan Town (江湾镇站), Exit 4 – 650m

##### 2) Taxi: 100RMB/50 minutes/30km

**Tip: Download the picture below if you need to take a taxi.**



## Part VI Group Tour

### Itinerary

- **August 22<sup>nd</sup>, 2018 (18:30-21:30)**

Guangdong Hotel Shanghai - Huangpu River Night Cruise

- **August 24<sup>th</sup>, 2018 (08:30-17:30)**

Guangdong Hotel Shanghai - the Oriental Pearl TV Tower - Zhujiajiao Ancient Town

### Huangpu River Night Cruise

Huangpu River, also known as Huangxiepū or Chunshen River, is a landmark of Shanghai, separating the city into two parts, Pudong and Puxi. The river runs through over 10 districts in the city. It is regarded as the Mother River of Shanghai, serving multiple functions including drinking water, shipping, drainage, fishery and tourism. Several submarine tunnels and bridges have been built under and on the river to provide better transportation conditions. On both sides of the river, there gather various styles of architectures and essential scenery.



### Oriental Pearl TV Tower

The Oriental Pearl TV Tower is surrounded by the Yangpu Bridge in the northeast and the Nanpu Bridge in the southwest, it creates a picture of 'twin dragons playing with pearls'. The entire scene is a photographic jewel that excites the imagination and attracts thousands of visitors year-round. This 468 meters (1,536 feet) high tower is the world's sixth and China's second tallest TV and radio tower. However, even more alluring than its height is the unique architectural design that makes Oriental Pearl TV Tower one of the most attractive places anywhere.



### Zhujiajiao Ancient Town

Located in a suburb of Shanghai city, Zhujiajiao is an ancient water town well-known throughout the country, with a history of more than 1700 years. The little fan-shaped town glimmers like a bright pearl in the landscape of lakes and mountains. Endowed with another elegant name - 'Pearl Stream' - the Zhujiajiao ancient town is the best-preserved among the four ancient towns in Shanghai. Unique old bridges across bubbling streams, small rivers shaded by willow trees, and houses with courtyards attached all transport people who have been living amidst the bustle and hustle of the modern big city to a brand-new world full of antiquity, leisure and tranquillity.

