

Program of 2017 China Solar Thermal Electricity Conference (as of July 12)

(August 8-10, 2017 | Silk Road Yiyuan Hotel, Dunhuang, Gansu, China)

Tuesday , August 8, Multi-Function Hall (on the second floor of West Building), Plenary meeting	
08:30-09:20	<p>Themes: Opening ceremony</p> <p>Conference Chairman:Mr. Zhifeng Wang , Professor, Institute of Electrical Engineering, Chinese Academy of Sciences/ Executive vice chairman of China National Solar Thermal Energy Alliance/ Vice-Chairman of SolarPACES Executive Committee</p>
	<p>Speakers:</p> <p>Representative of the Price Division of the National Development and Reform Commission</p> <p>Representative of the New and Renewable Energy Division of the National Energy Administration</p> <p>Representative of the Development and Reform Commission of Gansu Province</p> <p>Representative of the Energy Bureau of Gansu Province</p> <p>Representatives of the sponsors, organizers and co-organizers</p>
09:20-12:20	<p>Themes: Keynote Speech</p> <p>Chair: Mr. Zhifeng Wang , Professor, Institute of Electrical Engineering, Chinese Academy of Sciences</p> <p>Mr. Yuechun Yi, Vice president of China Renewable Energy Engineering Institute/Chairman of China National Solar Thermal Energy Alliance</p>
09:20-09:45	<p>Subject to be determined</p> <p>Mr. Xiaoxin Zhou, Academician, Chinese Academy of Sciences/ Honorary president, China Electric Power Research Institute</p>
09:45-10:10	<p>Development Status of International CSP Technology</p> <p>Mr. Manuel Blanco, Chairman of IEA SolarPACES Executive Committee</p>
10:10-10:30	<p>Progress introduction of CSP demonstration projects in China</p> <p>Mr. Yuechun Yi, Vice president of China Renewable Energy Engineering Institute/Chairman of China National Solar Thermal Energy Alliance</p>
10:30-10:50	Tea/coffee (Exhibition and Poster session)
10:50-11:10	<p>Research and practice of solar spectrum high-efficiency power generation technology</p> <p>Mr. Qingjie Zhang, Director of State Key Laboratory of Advanced Technology for Materials Synthesis and Processing, Wuhan University of Technology/ Chief scientist for a National 973 Program project</p>
11:10-11:30	<p>The role and development prospect of CSP in China's energy transformation</p> <p>Mr. Rui Sun, Vice president, Electric Power Planning & Engineering Institute</p>
11:30-11:50	<p>STE Research under the EU Framework Programmes</p> <p>Mr. Piero de Bonis, Policy Officer for STE research at the Directorate-General for Research & Innovation</p>
11:50-12:10	<p>Subject to be determined</p> <p>Mr. Wenjia Huang, Chairman, Beijing Shouhang IHW Resources Saving Technology Co., Ltd.</p>
12:10-13:30	Lunch

Tuesday, August 8, Multi-Function Hall (on the second floor of West Building), Plenary meeting	
13:30-18:00	<p>Themes: Design and Engineering Practice of the CSP system (15' for speech and 5' for Q&A)</p> <p>Chair: Mr.Xiaoping Qin, General manager of Inner Mongolia Energy Engineering Co., Ltd./ Vice chairman of China National Solar Thermal Energy Alliance</p> <p>Mrs. Ruomei Li, Former secretary general of Chinese Society for Electrical Engineering</p>
13:30-13:55	<p>Solar thermal utilization policy and industry development in Chile</p> <p>Mr. Rodrigo Mancilla, Executive director, Chile's Solar Energy Council</p>
13:55-14:20	<p>Introduction of CSP development in Morocco</p> <p>Mr. Samir Rachidi, Coordinator of R & D project for Moroccan Agency for Sustainable Energy (MASEN)</p>
14:20-14:45	<p>Several problems of solar molten salt tower plant</p> <p>Mr. Jin Jianxiang, research fellow of School of Control Science and Engineering, Zhejiang University/ President and chief engineer of Zhejiang Supcon Solar Technology Co., Ltd</p>
14:45-15:05	<p>CSP and peak shaving of power network</p> <p>Mr. Ke Li, President of Enesoon</p>
15:05-15:30	<p>Execution report of the RAYSPOWER's 50 MW PTC project in Yumen East Town</p> <p>Mr. Liming Xue, Founder of Rayspower Energy Group Co., Ltd</p>
15:30-15:50	Tea/coffee (Exhibition and Poster session)
15:50-16:10	<p>Selection of the main process equipment for CSP</p> <p>Mr. Xiaohui Zhao, Chief engineer of New Energy Development Company of Northwest Electric Power Design Institute Co., Ltd</p>
16:10-16:30	<p>Key technologies of system integration based on Qinghai Gonghe Solar power tower project</p> <p>Mr. Bin Xiao, deputy chief engineer of Northwest Engineering Corporation Limited of Power China</p>
16:30-16:50	<p>Technical and economic analysis of a 50MW PTC plant</p> <p>Mr. Eugenio Rodriguez, Foreign expert of Focusing Solar Science and Technology (Beijing) Co. ,Ltd</p>
16:50-17:10	<p>Optimization of a Fresnel CSP system design</p> <p>Mr. Jiantao Zheng, Deputy director, Huaneng Clean Energy Research Institute, ChinaHuaneng Group</p>
17:10-17:30	<p>Economic analysis of PTC and SPT projects</p> <p>Mr. Keith Lovegrove, Head of Solar Thermal, ITP Energised Group</p>
17:30-18:20	<p>Themes: Panel: Prediction of LCOE of CSP</p> <p>Host: Mr. Rui Sun, Vice president, Electric Power Planning & Engineering Institute</p>
Speakers	<p>Representative of Price Division of the National Development and Reform Commission</p> <p>Mr. Hongchuan Li, General manager, CSP Division of Huang He Hydropower Development Co., Ltd</p> <p>Mr. Ke Yu, General manager, Royal Tech CSP Limited</p> <p>Mr. Bin Xiao, deputy chief engineer of Northwest Engineering Corporation Limited of Power China</p> <p>Mr. Liming Xue, Founder, Rayspower Energy Group Co., Ltd.</p> <p>Mr. Zhihao Yao, General manager and CTO of SunCan Co., Ltd/Vice Chairman of China National Solar Thermal Energy Alliance</p>
19:30-21:00	Welcome Banquet (sponsored by Beijing Shouhang Ihw Resources Saving Technology Co.,Ltd)

Wednesday, August 9, Multi-Function Hall (on the second floor of West Building), Plenary meeting

08:30-12:15	<p>Themes: Solar collecting technology of CSP (15' for speech, 5' for Q&A)</p> <p>Chair: Mr. Yueshe Wang, Professor, Xi'an Jiao Tong University</p> <p>Mr. Jiantao Zheng, Deputy director, Huaneng Clean Energy Research Institute, China Huaneng Group</p>
08:30-08:50	<p>Application of system simulation technology in CSP</p> <p>Mr. Ershu Xu, Professor, Institute of Electrical Engineering, Chinese Academy of Sciences</p>
08:50-09:10	<p>Simulation and optimization on the solar field of a parabolic trough molten salt CSP plant</p> <p>Mr. Huifu Wang, Beijing University of Technology</p>
09:10-09:30	<p>Technical problems of the parabolic trough receivers for commercial power plants</p> <p>Mrs. Man Kang, General manager, Huiyin Group</p>
09:30-09:50	<p>Backward ray tracing with effective solar brightness used to simulate the concentrated flux map of a solar tower concentrator</p> <p>Mr. Minghuan Guo, Associate Professor, Institute of Electrical Engineering, Chinese Academy of Sciences</p>
09:50-10:10	<p>Hydraulic proportional and hydrostatic driving system and tracking device for heliostats in a solar power tower plant (two-axis tracking)</p> <p>Mr. Xiaoting Zhou, Engineer of Ouman new energy technology and equipment (Tianjin) Co., Ltd</p>
10:10-10:30	<p>Study on design method of molten salt solar receiver based on material thermal stress</p> <p>Mr. Pengfei Chen, Northwest Engineering Corporation Limited, POWER CHINA</p>
10:30-10:50	<p>20'Tea/coffee (Exhibition and Poster session)</p>
10:50-11:10	<p>Dynamic simulation and experimental study of a molten salt receiver</p> <p>Mr. Qiangqiang Zhang, Associate Professor, Institute of Electrical Engineering, Chinese Academy of Sciences</p>
11:10-11:30	<p>The study on heat transfer and stress characteristic of receiver tube in three kinds of irradiation heating model</p> <p>Mr. Yang Duan, Central Technology Institute of Shanghai Electric Group Company Limited</p>
11:30-11:50	<p>Research on heat flux distribution uniformity of the solar receiver based on carbon particles</p> <p>Mr. Yabin Jin, PhD, State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiao Tong University</p>
11:50-12:10	<p>Key points for selection and application of heat transfer oil for CSP plants</p> <p>Mr. Biao Bai, HTF technology manager, Dow Chemical (China) Investment Co., Ltd.</p>
12:10-13:30	<p>Lunch</p>

Wednesday, August 9, Multi-Function Hall (on the second floor of West Building), Plenary meeting

13:30-17:30	Themes: High temperature heat storage heat exchange technology, testing and measurement method (15'speech, 5'Q&A) Chair: Mrs. Jing Ding, Professor of Sun Yat-sen University Mr. Li Zhao, Professor of Tianjin University
13:30-13:50	Design and commissioning of heat storage system Mr.Eugenio Rodriguez, Foreign expert of Focusing Solar Science and Technology (Beijing) Co., Ltd
13:50-14:10	Research progress of high temperature molten salt storage technology Mr. Zhongfeng Tang, Professor, Shanghai Institute of Applied Physics, Chinese Academy of Sciences
14:10-14:30	Development and engineering application of high temperature heat transfer and thermal storage technology of molten salt Mr. Yuting Wu, Professor, Beijing University of Technology
14:30-14:50	Experimental study of temperature distribution regularities of molten salt thermal storage tank and insulated foundation Mr. Xiao Ming Zhang, PhD, Key Laboratory of Enhanced Heat Transfer and Energy Conservation, Ministry of Education and Key Laboratory of Heat Transfer and Energy Conversion, Beijing municipality, Beijing University of Technology
14:50-15:10	Application of EDPF-NT+ system in solar parabolic trough power plants Mr. Chen Cai, Engineer, Engineering Center of Beijing GuodianZhishen Control Technology Co. Ltd
15:10-15:30	Design of tracing system for parabolic troughsolar thermalpower plant Mr. Qinghua Bi, Inner Mongolia Electric Power Survey & Design Institute Co., Ltd.
15:30-15:50	20'Tea/coffee (Exhibition and Poster session)
15:50-16:10	Physicochemical properties of molten salts for CSP Mr. Peng Zhang, Shanghai Institute of Applied Physics, Chinese Academyof Sciences
16:10-16:30	Using optical fiber for molten salt tank bottom leakage detection Mr. Song Tian, Senior engineer, Shandong Electric Power Construction Corporation III
16:30-16:45	Method for improving light to heat conversion efficiency of CSP Mr. Dongdong Zheng, Engineer, Suzhou Novtec Control Co., Ltd.
16:45-17:00	undetermined undetermined, Bao steel-special steel Co., Ltd.
17:00-17:15	Test method for thermal performance of parabolic trough solar collectors Mr. Li Xu, Associate Professor, Institute of Electrical Engineering, Chinese Academy of Sciences
17:15-17:30	The measurement method of the tracking accuracy for heliostats Mr. Feihu Sun, Associate Professor, Institute of Electrical Engineering, Chinese Academy of Sciences
17:30-18:20	Themes: Panel: How to better promote the construction of the first batch of CSP demonstration projects Host: Mr. Xiang Huang, Deputy director of Technical Expert Committee of China National Solar Thermal Energy Alliance
Speakers	Mr. Wenyuan Cao, Deputy director, Energy Bureau of Dunhuang city, Gansu province Mr. Jianxiang Jin, President and chief engineer of Zhejiang Supcon Solar Technology Co., Ltd Mr. Duowang Fan, President of DCTC Co., Ltd Mr. Xiaohui Zhao, Chief engineer of New Energy Development Company of Northwest Electric Power Design Institute Co., Ltd Mr. Xiaoping Qin, General manager of Inner Mongolia Energy Engineering Co., Ltd Mr. Jixue Wang, Director, New EnergyDepartment, China Renewable Energy Engineering Institute
19:30-21:00	Celebration dinner (Sponsored by Enesoon)

Thursday, August 10, Multi-Function Hall (on the second floor of West Building), Plenary meeting

08:30-11:30	<p>Themes: Other types of solar thermal utilization (15' for speech, 5' for Q&A)</p> <p>Chair: Mr. Zhongfeng Tang, Professor, Shanghai Institute of Applied Physics, Chinese Academy of Sciences Mr. Ershu Xu, Professor, Institute of Electrical Engineering, Chinese Academy of Sciences</p>
08:30-08:50	<p>Theoretical research on the core technology of solar energy distributed composite energy supply</p> <p>Mr. Li Zhao, Professor, Tianjin University</p>
08:50-09:10	<p>Medium and low temperature of solar thermal / thermochemical utilization</p> <p>Mr. Jie Sun, Associate Professor, Institute of Engineering Thermophysics, Chinese Academy of Sciences</p>
09:10-09:30	<p>Dynamic modeling and simulation for supercritical CO₂ Brayton cycle</p> <p>Mr. Jinyi Zhang, EDF R&D China center</p>
09:30-09:50	<p>Analysis on the performance of a 600MW solar power tower aided coal-fired power system</p> <p>Mr. Ming Li, North China Electric Power University</p>
09:50-10:10	<p>Discussion on the design of a 10kW parabolic trough solar power system</p> <p>Mr. Shilong Yuan, Senior Engineer, Guangdong Leizig Thermoelectric Technologies</p>
10:10-10:30	<p>20' Tea/coffee (Exhibition and Poster session)</p>
10:30-10:45	<p>Theoretical analysis of mixed working fluid power cycle for high temperature solar power plant</p> <p>Mr. Jiaqi Sun, Department of Energy and Resources Engineering, College of Engineering, Peking University</p>
10:45-11:00	<p>Experiment and Simulation of Stirling Engine and Optimization of Design Parameters</p> <p>Mr. Yiqing Huang, State Key Laboratory of Clean Energy Utilization, Zhejiang University</p>
11:00-11:15	<p>Experimental study on the thermal performance of double glazing flat plate solar collector</p> <p>Mr. Siyu Liu, School of mechanical and power engineering, Shanghai Jiao Tong University</p>
11:15-12:00	<p>Themes: Closing ceremony</p> <p>Chair: Mr. Jixin Shao, President and Secretary of the Party Leadership Group of Gansu Building Materials Academy / Vice Chairman, China National Solar Thermal Energy Alliance</p>
12:00-13:30	<p>Lunch</p>
14:00-16:30	<p>Themes: Tours (Solar power industry park, Qili Town, Dunhuang city)</p> <p>The 10MWe Molten Salt Solar Power Tower demonstration project of Beijing Shouhang IHW Resources Saving Co., Ltd.</p> <p>The 5 MWe Molten salt Fresnel CSP demonstration project of Lanzhou DCTC</p>
16:30	<p>Conference close</p>

(Note: there might be some adjustment of the speakers and topics)