

中澳新型洁净煤及碳捕获技术研讨会

日程

2013 年 7 月 5 日，北京

热能工程系热能工程所，清华大学

地点：热能系系馆报告厅

Program

China - Australia Workshop on Novel Clean Coal and Carbon Capture Technologies

Beijing, July 5, 2013

Institute of Thermal Engineering, Tsinghua University

Session 1 General Introduction, session chair – Prof. Haiying Qi	
8:30 – 8:40	Introduction Prof.Haiying Qi
8:40 – 8:50	Introduction Prof.Sankar Bhattacharya
8:50 – 9:10	Introduction of low carbon energy research in Tsinghua Univ Prof. Qiang Yao, former dean of Department of Thermal Engineering, deputy director of Low Carbon Energy Laboratory of Tsinghua University
9:10 – 9:40	Development of Brown Coal Research in Australia, Prof. Klaus Hein
Session 2 Coal/biomass combustion, gasification and upgrading I Session chair – Prof. Changfu You	
9:40 –10:00	Review of Victorian Brown Coal Gasification Prof. Sankar Bhattacharya
10:00 – 10:20	The particular matter formation during coal combustion

	Dr.JiankunZhuo
10:20 – 11:00 Tea break Group photoin front of the building	
11:00 – 11:20	Combustion behavior of Victorian brown coal in oxy-fuel fluidized bed combustion Ms. Bithi Roy
11:20 – 11:40	Low intensity LIBS diagnostics on gas-to-particle formation in Heterogeneous flames Mr.YihuaRen
11:40 – 12:00	Optimization of ash deposition in Co-combustion of coal and biomass Mr. Qiang Huang
12:00 – 12:20	Study on spontaneous combustion propensity of low-rank coal Mr.WeiweiXuan
Lunch Session 3 Coal/biomass combustion, gasification and upgrading II Session chair –Asso. Prof. Zhenshan Li	
13:30 – 13:50	Entrained Flow Pyrolysis and Gasification of Selected Biomass - an Experimental and Modelling Study Mr.KawnishKirtania
13:50 – 14:10	Homogeneous-heterogeneous transition during ignition of mono-dispersed coal streams in Hencken burner Mr. Ye Yuan
14:10 – 14:30	Application of Different Drying Techniques for Coal and Food Dr.MengWai Woo
14:30 – 14:50	Solid bridge force measurement using penetration method Mr. Chao Luan
14:50 – 15:10	Numerical simulation of wet ESP Mr. Haiming Wang
15:10 – 15:-40 Tea break Session 3 CO₂ capture and utilization Session chair – Ms. JinhuaBao	
15:40 – 16:00	Silica-Supported Amine Sorbents for CO₂ Capture Dr. Srikanth C. Srivatsa
16:00 – 16:20	Experimental Study of Energy Requirement of CO₂ Desorption from Rich Solvent Mr.Xiaofei Li

16:20 – 16:40	Thermal Stability and Chemical Stability of Supported Amine Sorbent for CO₂ capture Mr.Zhi Zhang
16:40 – 17:00	Chemical Looping Combustion of Victorian Brown Coal Mr. Shuai Zhang and SharmenRajendran
17:00 – 17:20	Development of oxygen carriers for high and low temperature CLC and continuous >100h tests in dual fluidized beds Ms. JinhuaBao
17:20 – 17:40	Performance characteristic of liquid metal anode direct carbon fuel cell Mr.Hongjian Wang
18:10-21:30 Dinner,Jiasuo restaurant	