

July 19 (Fri.) - 21 (Sun.), 2019 Qingdao, China



Overview

Data: July 19 (Fri.) – 21 (Sun.), 2019

Venue: Enrichee Gloria Plaza Hotel in Qingdao, China

Theme: Innovative Circulating Fluidized Bed Boiler Technology

Hosted by: Tsinghua University, China & Pusan National University, Korea

Supported by: National Natural Science Foundation of China (NSFC), National Research Foundation of Korea (NRF), China Electricity Council, Chongqing University, Korea Southern

Power Company, Gemeng International Co., LTD, Jinneng Electricity Group Co., LTD

Language: English & Chinese

Program at a Glance

Data	July 19 (Fri.)	July 20 (Sat.)	July 21 (Sun.)		
08:00 ~ 08:30	Opening ceremony (5) Break		Break		
08:30 ~ 09:00	Bleak	Plenary Lecture (1)	Young Scholar Forum on Fluidization in 2 nd CFBB I		
09:00 ~ 10:05		Invited Speech I (3)	(6)	CFBB Steering Committee Meeting	Technical Tour for
10:05 ~ 10:30	Registration	Coffee Break (Video display)	Coffee Break		attendees from Co.
10:30 ~ 11:30		Invited Speech II (4)	Young Scholar Forum on Fluidization in 2 nd CFBB II (4)		
12:00 ~ 13:30	Lunch Break				
13:30 ~ 15:15		Invited Speech III (5)			
15:15 ~ 15:35	D ::	Coffee Break		Technical Tour	
15:35 ~ 17:15	Registration	Invited Speech IV (5)	Technical Tour		
17:15 ~ 18:00		Poster Session			
18:00 ~ 19:00	Break	Buffet	Buffet		
19:00 ~ 19:30	Welcome	Award Ceremony	Break		
19:30 ~ 21:30	Reception	Violin Concert			



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Plenary Lecture & Invited Speech

(Room: Yirui Hall, 3rd floor)

Saturday, July 20, 2019					
08:30 ~ 12:00	Chair: Prof. Hairui Yang / Tsinghua University, China				
Paper Code & Time	Contents	Speaker			
Plenary Lecture 08:30 ~ 09:00	Developments in FBC of solid fuels	Bo Leckner (Chalmers Univ., Sweden)			
CFBB-01 09:00 ~ 09:25	International collaboration strategy between PNU-KOSPO CFBC Research Center and China	Chung hwan Jeon (Pusan National Univ., Korea)			
CFBB-02 09:25 ~ 09:45	Operation optimization of secondary air in a 300 MW CFB Boiler	Leming Cheng (Zhejiang Univ., China)			
CFBB-03 09:45 ~ 10:05	Combustion efficiency and emission characteristics in a 0.1 MW _{th} Oxy-CFBC system	Jihong Moon (Institute of Energy Research, Korea)			
10:05 ~ 10:30	Coffee Break				
CFBB-04 10:30 ~ 10:50	R&D on Oxy-CFB at Southeast University, China through pilot study	Lunbo Duan (Southeast Univ., China)			
CFBB-05 10:50 ~ 11:10	A study on the hydrodynamics of a circulating fluidized bed boiler: improved prediction of axial solid volume fraction in 1D simulation	Uendo Lee (Univ. of Science and Technology, Korea)			
CFBB-06 11:10 ~ 11:30	The characteristics of NO and N ₂ O emissions during O ₂ /RFG combustion with high oxygen concentration in a 1MW _{th} pilot-scale Oxy-fuel circulating fluidized bed	Shiyuan Li (IET, CAS, China)			
CFBB-07 11:30 ~ 11:50	Update status and prospect of biomass and waste fired power generation in China	Man Zhang (Tsinghua Univ., China)			
12:00 ~ 13:30	Lunch Break	Room xxx			



CFBB-17

16:55 ~ 17:15

Boiler industry

The 2nd International Conference on Circulating Fluidized Bed Boiler

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Qingdao China	ngdao, China		
13:30 ~ 17:10	Chair: Prof. Xiaofeng Lu / Chongqing Univer	rsity, China	
CFBB-08 13:30 ~ 13:55	Attrition of limestone during fluidized bed calcium looping cycles for CO2 capture	Fabrizio Scala (Univ. of Naples Federico II, Italy)	
CFBB-09 13:55 ~ 14:15	Research on optimization of desulfurization control for CFB unit	MingMing Gao (North China Electric Power Univ., China)	
CFBB-10 14:15 ~ 14:35	IHI's CFB business with environmental friendliness	Shuzo Watanabe (IHI, Japan)	
CFBB-11 14:35 ~ 14:55	Characteristics of wood-pellet co-firing in a 550MW _e Samcheok CFB boiler	Seok-Gi Ahn (Korea Southern Power Co., Korea)	
CFBB-12 14:55 ~ 15:15	A design scheme of 660MW ultra-supercritical CFB boiler	Fengjun Wang (Harbin Boiler Co., Ltd., China)	
15:15 ~ 15:35	Coffee Break		
CFBB-13 15:35 ~ 15:55	Design and research of 660MW advanced ultra- supercritical circulating fluidized bed technology	Jiayi Lu (Dongfang Boiler Group Co., Ltd., China)	
CFBB-14 15:55 ~ 16:15	Development and innovation of supercritical CFB boiler technology of shanghai boiler Co. Ltd.	Feng Xiao (Shanghai Boiler Co., Ltd., China)	
CFBB-15 16:15 ~ 16:35	CFB boiler bottom ash cooling and handling system	Chase Xue (Qingdao Songling Power Environmental Equipment Co., Ltd., China)	
CFBB-16 16:35 ~ 16:55	The new type of coal water slurry-fired CFB and its application in clean district heating	Huazhong Zhan (Qingdao Clear Environment Group Co., Ltd.,	

The application of the comprehensive anti-abrasion

technology with alloy cladding and cladding plus in CFB

China) Xuemin Qi

(Harbin Keneng

Cladding

Technology Co., Ltd, China)



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Youth Forum on Fluidization in 2nd CFBB (Room: Meeting Room No. 1, 4th floor)

DAY 3 – JULY 21 (SUN), 2019				
08:30 ~ 11:30 Chair: Dr. Jianbo Li / Chongqing University, China				
Paper Code & Time	Contents	Speaker		
CFBB-18 08:30 ~ 08:45	Operation characteristics of a bubbling fluidized bed heat exchanger with internal solid circulation for a 550MW _e ultra-supercritical CFB boiler	Dongfang Li (Pusan National Univ., Korea)		
CFBB-19 08:45 ~ 09:00	Numerical study on gas-solid flow characteristics in fine particle bubbling fluidized beds	Yangfan Song (Chongqing Univ., China)		
CFBB-20 09:00 ~ 09:15	Applications of ultrafine limestone sorbents for the desulfurization process in CFB boilers	Runxia Cai (Tsinghua Univ., China)		
CFBB-21 09:15 ~ 09:30	Study on performance evaluation of CFB unit for deep peak-regulating	Hongfu Zhang (North China Electric Power Univ., China)		
CFBB-22 09:30 ~ 09:45	Research and design of denitrification based on fuzzy neural network	Xin Wei (Shanxi Univ., China)		
CFBB-23 09:45 ~ 10:00	Correlating flue gas composition with deposit mineralogy on probes during Zhundong lignite combustion in a circulating fluidized bed	Zhuo Liu (Chongqing Univ., China)		
10:00 ~ 10:30	Coffee Break			
CFBB-24 10:30 ~ 10:45	Simulation on the coal volatile-N species distribution in a CFB Boiler	Xiwei Ke (Tsinghua Univ., China)		
CFBB-25 10:45 ~ 11:00	Study on denitrification of circulating fluidized bed boiler based on deep peak shaving	Yuanyuan Zhang (North China Electric Power Univ., China)		
CFBB-26 11:00 ~ 11:15	Investigation on the operating characteristics of a 350 MW _e supercritical CFB boiler with a polygonal furnace	Zhao Yang (IET, CAS, China)		
CFBB-27 11:15 ~ 11:30	Study on thermal expansion and deformation characteristics of water wall in a supercritical CFB boiler	Xuchen Fan (Chongqing Univ., China)		



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