

Agenda

Wednesday, June 7, 2017 (9:00 —12:30)

Location: Asia Hall (3F)

Welcome Speech & Introduction (9:00 — 9:40)

Chair : **Andrew Minchener** (General Manager, IEA CCC)

- Introduction to the workshop by IEACCC, setting out the objectives and how these will be achieved. Dr Andrew Minchener OBE, General Manager, IEACCC
- Welcome by EPPEI. Xie Qiuye, President, EPPEI
- Keynote speech by NEA. Guo Wei, Deputy Counsel, NEA

Session 1 (9:40 — 10:10)

Topic : Overview of cofiring biomass with coal in China

Chair : **Andrew Minchener** (General Manager, IEA CCC)

Presenter	Company & Country	Presentation Title
<i>Sun Rui</i>	Electric Power Planning & Engineering Institute (EPPEI), China	1. Development Prospects of Cofiring Biomass with Coal in China

Coffee Break (10:10 — 10:30)

Location: Asia Hall Foyer (3F)

Session 2 (10:30 — 12:30)

Topic: Engineering experiences for retrofit of coal co-firing projects part 1

Chair: **Mao Jianxiong** (Professor, Tsinghua University, China)

Presenter	Company & Country	Presentation Title
<i>Michiel Carbo</i>	Energy Research Centre of the Netherlands, The Netherlands	2. Biomass co-firing experience in the Netherlands: Outlook and practical experience
<i>Ivan van Niekerk</i>	Engie Group, France	3. Supplying biomass for power generation – Engie’s experience
<i>Ray Moorehead</i>	Greenbank Group, UK	4. Solving real plant biomass conveying and balancing issues in power generation
<i>Zhuang Huiyong</i>	Energy Research Center of the Investment Association of China , China	5. Policy Practice & Experience : Status Quo and Future for Industrial Scale Biomass Energy Development in China

Lunch (12.30-13.30)

Location: Jinjiangfu Restaurant (3F)

Wednesday, June 7, 2017 (13:30 —17:30)

Location: Asia Hall (3F)

Session 3 (13:30 — 15:10)

Topic : Engineering experiences for retrofit of coal co-firing projects part 2

Chair : **Matti Nieminen** (Technology Manager, VTT Technical Research Centre of Finland Ltd, Finland)

Presenter	Company & Country	Presentation Title
<i>Jørgen Peter Jensen</i>	DONG Energy, Denmark	6. Utilisation of wood pellets, chips and straw for heat and power production.
<i>Xie Bin</i>	Gexcon Group, UK	7. Fire <i>and</i> explosion hazards related to bulk material handling and storage of biomass

Coffee Break (15:10 — 15:30)

Location: Asia Hall Foyer (3F)

Session 4 (15:30 — 17:30)

Topic : Incentivisation and related issues

Chair : **Sun Rui** (Vice President, EPPEI, China)

Presenter	Company & Country	Presentation Title
<i>Dr Andrew Minchener OBE</i>	IEACCC, UK	8. UK policy approach of ROCs and the CfD for incentivizing biomass utilization
<i>Michiel Carbo</i>	Energy Research Centre of the Netherlands (ECN), The Netherlands	9. The Netherlands SDE+ scheme
<i>Matti Nieminen</i>	VTT Technical Research Centre of Finland Ltd, Finland	10. Coal-biomass co-fired CHP plants in Finland and monitoring/verification of the proportion of biomass fired
<i>Dr Li Jia</i>	University of Sheffield, UK	11. Co-firing of biomass to meet the 2020 target in China

Workshop Dinner (18.00- 20.00)

Location: Jinjiangfu Restaurant (3F)

Thursday, June 8, 2017 (9:00 —12:30)

Location: Asia Hall (3F)

Session 5 (9:00 — 10:30)

Topic : Biomass processing and handling issues

Chair : **Dr Falk Hoffmeister** (Vice President, Mitsubishi Hitachi Power Systems Europe GmbH, Germany)

Presenter	Company & Country	Presentation Title
<i>Vaughan Bassett</i>	Wood Pellet Association, Canada	12. Wood pellet manufacturing process, quality, sustainability, logistics, and pellet quality effects on boiler performance
<i>Pro Wang Qinhui</i>	State Key Laboratory of Clean Energy Utilization (CEU), Zhejiang University	13. Development on Biomass Circulating Fluidized Bed gasification coupling with large scale coal power plant
<i>Zhuo Jiankun</i>	Tsinghua University, China	14. The role of flexible biomass-coal co-fired power plant in china's future energy system

Coffee Break (10:30 — 11:00)

Location: Asia Hall Foyer (3F)

Session 6 (11:00 — 12:30)

Topic : Further operating experiences

Chair : **Wang Qinhui** (Professor, Zhejiang University, China)

Presenter	Company	Presentation Title
<i>Falk Hoffmeister</i>	Mitsubishi Hitachi Power Systems Europe GmbH, Germany	15. Wood Pellet Co-Firing – Some Topics of conducted conversions
<i>Prof Wu Youqing</i>	East China University of Science and Technology , China	16. Application prospect of biomass gasification coupled with coal-fired power in China
<i>Matti Nieminen</i>	VTT Technical Research Centre of Finland Ltd, Finland	17. Cofiring sludge with coal
<i>Wu Jianqun</i>	Huazhong University of Science and Technology, China	18. Ash-related issues during cofiring biomass with coal and mitigation strategies

Lunch (12.30-13.30)

Location: Jinjiangfu Restaurant (3F)

Thursday, June 8, 2017 (13:30 —16:00)

Location: Asia Hall (3F)

Session 7 (13:30 — 15:30)

Topic : Current and future research and development routes for improving technologies

Chair : **Ray Moorehead** (Sales Director of Greenbank Group, UK)

Presenter	Company & Country	Presentation Title
<i>Glenn Darley</i>	Sandvik Materials Technology	19. Investigation properties of Sanicro 25 - a candidate for superheater and reheaters in high efficiency AUSC power plant, with and without cofiring
<i>Ye Fei</i>	Northeast Electric Power Design Institute Ltd. , China	20. Integrative technology of sludge drying and pulverizing for green power generation system
<i>Reyhane Youssefi</i>	Institute of Combustion and Power Plant Technology, Germany	21. The impact of biomass co-combustion on emissions and ash characteristics
<i>Prof Mohammed Pourkashanian</i>	The University of Sheffield, UK	22. A pilot test measuring metal release, partitioning, deposition, and slagging during cofiring biomass with coal

Review of what we have learned, how we might take things forward, and issues remaining (15:30 — 16:00)

The IEACCC (Dr Andrew Minchener) will provide this input, followed by the formal closing of the workshop.

Poster

1. CFD Modeling of Paper Reject Gasification in a Lab-Scale Dual Fluidized Bed Gasifier
Shu-San Hsiau, National Central University, Taiwan

Exhibitioners:

1. Hip Lik Green Energy Limited, Hong Kong
2. Gexcon Group
3. Greenbank Group