Day 1  14 September

09:00 - 10:15  Introduction and overview

9:00-9:05    Introduction
Xing Zhang; IEA Clean Coal Centre, UK

9:05-9:25    Welcome
Alessandro Lanza; Sotacarbo, Italy

9:25-9:45    Utilisation of biomass in coal fired power plants
Gerald Schmidt; GE Boiler Deutschland GmbH, Germany

9:45-9:55    Status quo and future prospects of cofiring biomass with coal in China
Shui Han; National Energy Administration, China

9:55-10:15   GHG emission reduction options for coal fired power stations
Preben Messerschmidt; Ramboll Energy, Denmark

10:15-10:35  Coffee and Posters

10:35 - 12:35  International perspectives

10:35-10:55  Analysis of oxy-combustion plant conversion options including results of biomass-coal cofiring concept study
Jeffrey Hoffmann; US DOE/National Energy Technology Laboratory, USA

10:55-11:15  Cofiring biomass: Status and outlook after COP21
Raimund Malischek, IEA Paris, France

11:15-11:35  Technical route and policy research for co-firing biomass with coal in China
Xiang Li; Electric Power Planning & Engineering Institute, China

11:35-11:55  Solving real plant biomass conveying issues in power generation
Neetin Lad; Greenbank Group, UK

11:55-12:15  Potential of biomass co-firing in the lignite sector of South-East European countries: an investigation with the S2Biom toolset
Manolis Karampinis; CERTH/CPERI, Greece
12:15-12:35  Cofiring in the sugar mills industry in Colombia
Jose Maria Rincón Martínez; TECSOL, Colombia

12:35-13:50  Lunch and Posters

13:50 - 15:30  Case studies and demonstrations

13:50-14:10  Doosan biomass conversion technology applied to Lynemouth
Graham Welford; Doosan Babcock Ltd, UK

14:10-14:30  Sharing experiences from a big biomass explosion
Rick Alkema; Essent, Netherlands

14:30-14:50  Co-milling and co-firing of torrefied biomass at a large utility boiler
Collins Ndibe; Institute of Combustion and Power Plant Technology – IFK, Germany

14:50-15:10  The Industrial application of 10.8 MW biomass gasification reburning electricity
generation project
Peihong He; Guodian Changyuan Hubei Biomass Gasification Technology Co., China

15:10-15:30  OPG coal to biomass conversion experience with advanced wood pellets
Les Marshall; Ontario Power Generation, Canada

15:30-15:45  Tea break and Posters

15:50 - 17:10  Industry developments

15:50-16:10  Upgrading low-grade herbaceous feedstocks to commodity quality sustainable solid
energy carriers
Michiel Carbo; Energy Research Centre of the Netherlands

16:10-16:30  Biomass conversion of existing hard coal fired large scale power plants
Philipp Döring; Mitsubishi Hitachi Power Systems Europe GmbH, Germany

16:30-16:50  Challenges of biomass fuel for SCR catalyst technology
Tina Zscherpe; Johnson Matthey Catalysts GmbH, Germany

16:50-17:10  Map® system - Magaldi ash postcombustor
Daniele Ricci; Magaldi Group, Italy

17:20  Coach to Lu’ Hotel and the Portoscuso Lido degli Spagnoli Hotel
19.00  Visit to the Sirai Archaeological Park
20:30  Gala dinner at Lido degli Spagnoli Hotel
Day 2  15 September

09:00 - 10:20  Torrefaction and pyrolysis

9:00-9:20  Competitiveness of torrefied pellets: decision-making based on properties of raw biomass
Javier Gil; National Renewable Energy Centre (CENER), Spain

9:20-9:40  Pellets, woodchips or torrefied wood? - Comparing energy efficiencies for biomass co-firing in seven scenarios
Birte Everts; Technical University of Hamburg-Harburg, Germany

9:40-10:00  Co-pyrolysis and co-gasification of low and high reactive bituminous coals with micro-algae by TG-MS
A Sanna; Heriot-Watt University, UK

10:00-10:20  Characteristics of tars formed during co-pyrolysis of coal and biomass
Sarma Pisupati; The Pennsylvania State University, USA

10:20-10:40  Coffee and Posters

10:40 - 12:20  Combustion

10:40-11:00  Co-firing of Turkish lignites and pine chips in 750 kW circulating fluidized bed combustion system
Aysel Atimtay; Middle East Technical University, Turkey

11:00-11:20  Release of gas phase potassium during combustion of biomass - experimental and modelling observations
Patrick Mason; University of Leeds Energy Research Institute, UK

11:20-11:40  Numerical simulation of oxy-fuel process in co-firing of coal and wood biomass in a boiler
Cristiano Vitorino da Silva; Integrated Regional University of High Uruguai and Missions, Brazil

11:40-12:00  Co-firing combustion characteristics of different ages of *Bambusa balcooa* relative to a high ash coal
Samson Bada; University of Witwatersrand, South Africa

12:00-12:20  Workshop summary and closing remarks
Andrew Minchener; IEA Clean Coal Centre, UK

12:20-13:45  Lunch and Posters

13:45  Coach to plant visit
Posters

1. Release of inorganic trace elements from co-conversion of coal with biomass
   Marc Bläsing; Institute of Energy and Climate Research IEF-2, Germany

2. Flash pyrolysis products of pulverized biomass depending on different degrees of torrefaction
   Pielsticker Möller; RWTH Aachen University, Germany

3. The influence of KCl and SO₂ during combustion - Focusing on CO oxidation and NOx formation
   Thomas Ekvall; Chalmers University of Technology, Sweden

4. Investigation of combustion kinetics of two Turkish lignites under oxy-fuel combustion conditions by thermal gravimetric analysis
   Aysel Atimtay; Middle East Technical University, Turkey

5. Ignition behaviour of biomass particles in a down-fire reactor for optimization of co-firing performance
   Jun Li; University of Strathclyde, UK