

European Bioenergy Research Institute

Biomass gasification: development opportunities and challenges

19th September 2014, EBRI Building, Aston University

Agenda

- 09.30:** **Welcome, Tea & Coffee**
- 09.40:** **Opening address**
Dr Yassir Makkawi (EBRI, Aston University)
- 09.50:** **EBRI and industry: from the lab to commercial application**
Tom Anderson (EBRI, Aston University)
- 10.00:** **Fluidised bed gasification and coupling to intermediate pyrolysis**
Christian Eder (Wehrle BioEnergie GmbH, Germany)
- 10.20:** **Techno-economic modelling of EBRI's demonstration gasifier**
Dr Jim Scott and Dr Dan Wright (EBRI, Aston University)
- 10.40:** **Towards improving gasification performance**
Dr Ian Watson (University of Glasgow)
- 11.00:** **Two-stage pyrolysis-catalytic gasification of biomass**
Professor Paul Williams (Leeds University)
- 11.20:** **Guided tour of EBRI's demonstration gasification plant and facilities**
- 12.00:** **Buffet lunch**
- 13.00:** **Biomass energy conversion: from fundamentals to applications**
Professor Raffaella Ocone (Heriot-Watt University)
- 13.20:** **Combustion and gasification of biomass: research at the University of Glasgow**
Dr Manosh Paul (University of Glasgow)
- 13.40:** **Designing improved catalysts for biomass conversion**
Professor Karen Wilson (EBRI, Aston University)
- 14.00:** **Intervate activities on biomass gasification**
Julian Ackerley (Intervate, UK)
- 14.20:** **Treatment of gasifier effluents with non-thermal plasma**
Dr Kui Zhang (Newcastle University)
- 14.40:** **Modelling of biomass gasification in fluidised beds**
Dr Yassir Makkawi and Dr Mohamed Hassan (EBRI, Aston University)
- 15.00:** **Round table discussion and closing recommendations (Chair: Prof Tony Bridgwater)**
- 16.00:** **Close**

