



December 2nd

8.30-9.00 - Registration

9.00-9.45

Welcome speech

*Fabrizio Mazzetto – Free University of Bozen-Bolzano
Vice-Dean for Research, Faculty of Science and
Technology*

Opening Address and Introduction

Marco Baratieri – Free University of Bozen-Bolzano

Morning keynote

9.45-10.30

"Small scale CHP for decentralised energy generation
and grid balances: which challenges and opportunities
for gasification?"

David Chiaramonti – University of Florence

Morning session

Chairs: *Elisabetta Arato – University of Genova
Francesco Patuzzi – Free University of Bozen-
Bolzano*

10.30-11.00

"Fuel flexibility in gasification: experiences and
challenges"

Tim Schulzke – Fraunhofer Institute

11.00-11.30 - Coffee Break

11.30-12.00

"Tar analysis methods for small scale gasification
systems"

Klas Engvall – KTH, Stockholm

12.00-12.30

"20 years of research and demonstration experience
with the dual fluidized bed steam gasification concept"

Walter Haslinger – BE2020+, Wieselburg

12.30-14.00 - Buffet lunch

Afternoon keynote

14.00-14.45

"Gasification byproducts"

S. Dasappa – Indian Institute of Science, Bangalore

Afternoon session

Chairs: *Luca Fiori – University of Trento
Simone Pedrazzi – University of Modena and
Reggio Emilia*

14.45-15.15

"Char properties and characterization methods"

York Neubauer – TU-Berlin

15.15-15.45

"Potential use of char as activated carbon"

Marcel Huber – MCI Innsbruck

15.45-16.15 - Coffee Break

16.15-16.45

"Uses of biomass chars – nutrient and contaminant
perspective"

Ondřej Mašek – UK Biochar Research Centre

16.45-17.15

"Measuring toxicity of char and its implications"

Werner Tirlir – EcoResearch

17.15-18.00

Round table: "The future of small-scale gasification"

18.00-18.30

Guided tour to UNIBZ LABS

December 3rd

8.30 Coffee-to-go

9.00-12.00 Visit to a commercial plant (on-site lab)

12.30 Return to Bolzano and leaving

SCIENTIFIC COMMITTEE

- M. Baratieri – Free University of Bozen-Bolzano
- D. Chiaramonti – University of Florence
- S. Dasappa – Indian Institute of Science, Bangalore
- K. Engvall – KTH, Stockholm
- R. Fedrizzi – EURAC, Bozen-Bolzano
- L. Fiori – University of Trento
- A. Gasparella – Free University of Bozen-Bolzano
- M. Grigante – University of Trento
- Y. Neubauer – TU/Berlin

ORGANIZING COMMITTEE

- M. Baratieri – Free University of Bozen-Bolzano
- T. Mimmo – Free University of Bozen-Bolzano
- F. Patuzzi – Free University of Bozen-Bolzano
- G. Pernigotto – Free University of Bozen-Bolzano
- A. Prada – University of Trento
- M. Renzi – Free University of Bozen-Bolzano

The host region, South-Tyrol, has a long tradition in the use of wood for energy purposes and in the last years many new entrepreneurial initiatives led to the installation of new gasification plants. The purpose of this symposium is to gather researchers and professionals to share the most updated knowledge on these topics, promoting national and international research networks.