



EU BC&E Parallel Events

Gas Analysis Workshop 2013

Tar & sulphur sampling and analysis

Thursday 6th June 2013

08:00 – 10:00 / 13:00 – 17.00

The EU BC&E Gas Analysis Workshop 2013 is a 1-day event to review the state of the art in measurement techniques (sampling and analysis) for tar and organic sulphur compounds in raw gas outlets from gasifiers and other processes. The Workshop will also serve to launch a programme of round robin testing of existing techniques within the context of the EC co-funded FP7 BRISK project - **“Biofuels Research Infrastructure for Sharing Knowledge**. It will outline opportunities for visiting researchers to gain EC funded Transnational Access to some 70 BRISK Test Rigs covering the Biofuels Value Chain. The presentations from the 2012 event are available at:

http://www.evur.tu-berlin.de/menue/forschung/veranstaltungen/gas-analysis_workshop/parameter/en/

Invitation to participate

- Representatives from laboratories engaged in developing and/or applying tar and sulphur measurement techniques
- Representatives from laboratories owning test rigs that could be used to assess sampling and analysis
- Manufacturers and suppliers of tar and sulphur measuring instruments and sampling systems
- Biofuels producers, suppliers and supply chain stakeholders
- Biofuel users, process engineers and technical managers from petrochemical and other industry sectors
- Researchers from universities, research institutes and national laboratories

are warmly encouraged to attend, and if appropriate, to report on relevant work in progress by means of a Poster or a contribution from the floor.

Participation in the meeting will be free to EU BC&E conference delegates. For non-delegates, a 1-day EU BC&E registration will give access to the Workshop.

This event is organised by partners in the in the BRISK Project and others interested in the topic. It also forms the 38th IFRF (International Flame Research Foundation) Topic Orientated Technical Meeting (TOTeM 38). **You are invited to register for the Gas Analysis Workshop using the registration form at the bottom of this flyer, or on entry to the event.**



PROGRAMME EU BC&E Gas Analysis Workshop 2013

Chairmen: York Neubauer (TU Berlin), Serge Biollaz (PSI) and Markus Kleinhappl (bioenergy 2020+)

08.00 **Registration** and installation of posters

08.30 **Introduction and general overview**

- Background to Gas Analysis Workshops/EERA (York Neubauer, TU Berlin)
- Background to BRISK , format of the Workshop (Neil Fricker, IFRF)

09.00: **Options and status of techniques for measuring tars and sulphur:**

- Tar (Wiebren de Jong, TU Delft)
- Sulphur (Serge Biollaz, PSI)

10.00 **TOTeM Break**

- Plenary Sessions, Main Conference, Biomass Exhibition
- TOTeM Posters and informal discussions

12.00 **Lunch break** and Biomass Exhibition

13.00 **Tar Protocol** (CEN/TS 15439): Status and next steps (Markus Kleinhappl bioenergy 2020+)

14.00 **Round Robin exchanges in the field of sampling, detection and quantification of impurities in gases from thermochemical biomass conversion process**

- Background to round robin process and introduction of candidate test facilities (Serge Biollaz – PSI)
- Description of typical round robin test facilities
 - Host site 1 (PSI)
 - Host site 2 (ECN)
 - Host site 3 (KIT)
- Extension to further users and tests sites

15.15 **Coffee break/poster session (Further possible host sites)**

15.45 **Rapporteur Interim Feedback** (Neil Fricker, IFRF)

- What have we learned today?
- Round Robins and their place in BRISK
- Current status of Round Robins
- BRISK Transnational Access – nature, facilities, opportunities

16.10 **Interactive Workshop to consolidate the existing and new proposals for round-robins on measurement techniques**

- Facilitated Panel discussion

16.40 **Summary of main outcomes** – Rapporteur

- Extended and ranked list of potential Round Robins
 - Host sites
 - Users
- Actions

17.00 **Workshop Closes**

REGISTRATION FORM

EU BC&E Gas Analysis Workshop 2013

Progress in tar & sulphur analysis

6 June, 2013, 08.00 to 17.00

Please complete this form and leave it at the BRISK Exhibition Stand or hand it in on arrival at the Workshop.

- Registration is free for participants at EU BC&E 21.
- A one-day registration for EU BC&E 21 is available for those not attending the main conference, please enquire at Conference Welcome Desk

FULL NAME (Title-First Name-Family Name):	
ORGANISATION:	
Address:	
TELEPHONE:	
EMAIL:	
Attending EUBC 21	Yes/No (Please delete as appropriate)
One day registration	Yes/No (Please delete as appropriate)
Submitting a poster	Yes/No (Please delete as appropriate)
Poster subject	