

# Gas Analysis Workshop Berlin 2017

International Workshop

Thursday, September 7<sup>th</sup> and Friday, September 8<sup>th</sup> 2017

financially supported by:



**Venue:** TU Berlin, Institute of Energy Engineering, EVUR, Fasanenstr. 89, 10623 Berlin  
*With live transmitting via web; connecting point will be reported.*

**Contact:**

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**Registration:**

via doodle link sent by e-mail or by responding to the e-mail contact above

Thursday September 7<sup>th</sup>, 11:00 - 18:00 h

Time	Topic of discussion	Moderator / Speaker
10:30 – 11:00	Registration	
11:00 – 11:15	Introduction to the workshop	Y. Neubauer (TUB)
11:15 – 11:50	IEA Report Gas sampling and Analysis (Q&A)	G. Aranda (ECN)
11:50 – 12:10	<i>Analysis of complex tar mixtures with laser induced fluorescence – fundamental aspects</i>	<i>T. Mouton / Y. Neubauer (TUB)</i>
12:10 – 12:30	<i>Optical on-line tar sensing using UV diodes</i>	<i>J. Borgmeyer (TUB)</i>
12:30 – 13:45	Lunch break	
13:40 – 14:00	<i>Non-thermal Plasma for gas upgrading with and without char</i>	<i>P. Schröder (TUB)</i>
14:00 – 14:20	<i>Gas cleaning with activated process materials</i>	<i>O. Elhami (TUB)</i>
14:20 – 14:40	Tar conversion over process char –(in collaboration with TUB) // tar measurement with Peterson column and SPA method at DTU	G. Ravenni (DTU)
14:40 - 15:00	Recent work on tar and gas analysis at vtt	N. Heikkinen (VTT)
15:00 – 15:10	Discussion	
15:10 – 15:25	Coffee break	
15:25 – 17:45	Working group “tar measurement”	Y. Neubauer (TUB)
17:45 – 18:00	Status and outlook	
18:00	End of meeting of first day	
19:30 – 22:00	Dinner at own cost	

Friday September 8<sup>th</sup>, 09:00 - 15:00 h

Time	Topic of discussion	Moderator
09:15 – 09:30	IEA Report Gas sampling and Analysis (Q&A)	G. Aranda (ECN)
9:30 - 9:45	Retrospective	S. Biollaz (PSI)
9:45 – 10:45	Test gas generators and calibration systems	Y. Neubauer (TUB)
10:45 – 11:00	Short break	
11:00 – 11:45	Working group “particle”	S. Rodriguez (PSI)
11:45 – 12:45	Lunch break	
12:45 – 13:30	Working group “Permanent gases; FTIR, $\mu$ -GC, NDIR”	S. Biollaz (PSI) / Max Schmid (IFK)
13:30 – 14:00	Working group “Sulphur measurement”	S. Biollaz (PSI)
14:00 – 15:00	Summary of the Workshop and next steps	
15:00	End of meeting	

### Debriefing & Retrospective

15:30 – 16:30	Debriefing & Retrospective	Core team
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*Y. Neubauer, S. Biollaz, G. Aranda 07.09.2017*