

Agenda China - Poland - Czech Republic - Germany Workshop on  
**Innovative Chemical Utilization of Carbon and Renewable  
Resources for a Circular Carbon Economy**

**15. – 17.04.2019**

Fraunhofer-Forum Berlin  
Anna-Louisa-Karsch Straße 2  
10178 Berlin

**Topic**

Update on technology development for effective and sustainable utilization of domestic carbon resources in China, Czech Republic, Poland and Germany

## **Monday, 15.04.2019**

12:30 Welcome and lunchtime snack

### **Session 1: Keynote presentations**

**Chair: Prof. Ralf Wehrspohn**

13:30 *Welcome Note*  
Prof. Ralf Wehrspohn  
Fraunhofer Institute for Microstructure of Materials and Systems IMWS

14:00 *Hybrid Energy System and Lignite Utilization*  
Prof. Yuhan Sun  
Shanghai Advanced Research Institute, Chinese Academy of Sciences

14:30 *Clean Coal Technologies – state of art in Poland*  
Prof. Aleksander Sobolewski  
Institute for Chemical Processing of Coal

15:30 *CO<sub>2</sub> - Source for Chemical Industry and Transport*  
Dr. Leos Gal  
Czech Biofuels Technology Platform

16:00 *Developments in Germany for the transition towards a circular carbon economy*  
Prof. Bernd Meyer  
Institute of Energy Process Engineering and Chemical Engineering, TU Freiberg

**16:30 Coffee Break**

**17:00 Round table discussion**

**19:30 Dinner**

**Tuesday, 16.04.2019**

8:30 Morning Coffee

**Session 2**

**Chair: Prof. Bernd Meyer**

9:00 *Current R&D Projects on Carbon Utilization at RWE*  
Dr. Urs Overhoff, RWE

9:20 *CO<sub>2</sub> conversion to chemicals*  
Prof. Hui Wang, Shanghai Advanced Research Institute, CAS

9:40 *Carbon2Chem<sup>®</sup>: A Cross Industrial Production Network*  
Dr. Müller, Fraunhofer UMSICHT

10:00 *Modeling and optimization strategies for gasification processes*  
Dr. Andreas Richter  
Institute of Energy Process Engineering and Chemical Engineering, TU Freiberg

10:20 *Syngas conversion to value-added chemicals with higher selectivity*  
Prof. Liangshu Zhong, Shanghai Advanced Research Institute, CAS

**10:40 Coffee Break**

**Tuesday, 16.04.2019**

**Session 3**

**Chair: Prof. Aleksander Sobolewski**

- 11:00     *Electrochemical energy storage via water electrolyzer and metal-air battery*  
Prof. Xiaopeng Li, Shanghai Advanced Research Institute, CAS
- 11:20     *Hydrogen utilization from coke oven gas and speciality products  
from coal tar*  
JSW, inquired
- 12:40     *R&D of fractal engineering*  
Prof. Zhiyong Tang, Shanghai Advanced Research Institute, CAS
- 12:00     *Coal-to-liquids supply chain integration in view of operational, economic and  
environmental risk assessments under unfavourable geological settings*  
Dr. Kalmar, Calamites
- 12:20     *Sustainability assessment of concepts for the circular economy by integration  
of chemical lignite utilization*  
Witold-Roger Pogonietz, KIT ITAS  
Ludwig Seidl, Institute of Energy Process Engineering and Chemical  
Engineering, TU Freiberg
- 12:40     Lunch**
- 14:00     Side meetings**
- Collaboration strategy
- Integration of R&D
- 19:00     Dinner**

**Wednesday, 17.04.2019**

**Technical tour to Institute for Chemical Processing of Coal (IChPW)  
Zabrze, Poland**

- 8:00 Flight from Berlin (Germany) to Krakow (Poland)  
and transfer from Krakow to Zabrze  
(self-organized)
- 12:00 Reception and Snack
- 12:30 Introduction of the Institute for Chemical Processing of Coal  
Prof. Aleksander Sobolewski
- 13:15 Optional presentation by Chinese delegate
- 14:00 Lunch
- 15:00 Technical visit in Clean Coal Technologies Center
- 17:00 Wrap-up and farewell

## Notes

### Workshop in Berlin, Germany

The workshop venue, dinner location and the hotel are within walking distance (500 m).

Registration deadline 29.3.2019

Workshop venue Fraunhofer-Forum Berlin  
Anna-Louisa-Karsch Straße 2  
10178 Berlin

Hotel Motel One, Berlin Alexanderplatz  
Grunerstraße 11  
10179 Berlin

There is a hotel contingent at a rate of 79 to 117 € available until 15.3.2019. Please refer to “Fraunhofer Workshop” during registration and use the form on the registration website.

Parking CityQuartier DomAquaree  
Karl-Liebknecht-Straße 5  
10178 Berlin

Dinner venue To be determined

### Technical tour to IChPW, Zabrze, Poland

The workshop participants are requested to organize the travel to Krakow by themselves.

Registration deadline 29.3.2019

Venue Institute of Chemical Processing of Coal  
Zamkowa 1  
41-803 Zabrze

Hotels	Ibis Hotel Jagiellońska 4 41-800 Zabrze	Diament Hotel 3 Maja 122A 41-800 Zabrze
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