



UNIVERSITÄT
DUISBURG
ESSEN

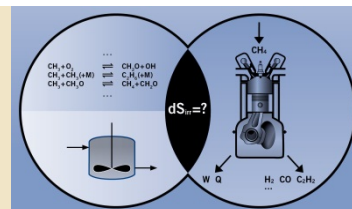
Offen im Denken

***Multi-functional conversion of
chemical species and energy***

DFG Research Unit 1993

1st Workshop

Bonn, Bad Godesberg 9.-10.07.2014



Multi-functional conversion of chemical species and energy

DFG Research Unit 1993

First Workshop 09.-10.07.2014 in Bonn

| 09.07.2014 | Title | Speaker |
|-------------------|--|------------------------------------|
| 10:30 | Welcome and Introduction | B. Atakan (UDE) |
| 11:00 | Investigating combustion chemistry from low to high pressures | P. Glarborg (DTU,DK) |
| 11:50 | HCCI Piston Engines für Polygeneration - Comparison of Single- and Multi-Zone Models | R.Hegner (UDE) |
| 12:20 | Pause | |
| 12:30 | Mathematical optimization of operating conditions in chemical energy conversion in piston engines | H.Goßler (KIT) |
| 13:00 | Lunch | |
| 14:00 | trip to Drachenfels/Königswinter or to a Museum | |
| 17:30 | Reaction Mechanisms for reacting Systems in polygeneration | U.Maas (KIT) |
| 18:00 | Homogeneous partial oxidation of methane at elevated pressures and effects of propene as additive: experiment and simulation | F.Sen(UDE) |
| 18:30 | Discussion | |
| 19:20 | Pause | |
| 19:30 | Dinner | |
| 10.07.2014 | | |
| 08:30 | Organizational remarks | B. Atakan (UDE) |
| 08:40 | The pulsed compression reactor for chemical conversion processes: All you need is pressure! | T. van der Meer (Univ. Twente, NL) |
| 09:30 | Shock-Tube Study of the kinetics of partial oxidation processes. | J. Herzler (UDE) |
| 10:00 | Studies on chemical kinetics for Polygeneration Processes in a Rapid Compression Machine (RCM): Setup, experiments and first results | M.Werler (KIT) |
| 10:30 | Pause | |
| 10:45 | Chemical conversion in an internal combustion engine running in unusual operating points | C. Meffert (UDE) |
| 11:15 | Discussion-Next Steps | |
| 12:15 | Lunch | |
| 13:45 | End | |

Venue:

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