



## Short Course: Reactive Flows: Applications.

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*Thursday 24.11.2011, INF 368, R 248*

- 9:00 – 10:30 – Process intensification by miniaturisation  
(PD Dr. J. Brandner, KIT-IMVT, Karlsruhe)
- 10:30 – 10:45 – Coffee break
- 10:45 – 12:15 – Influence of retention time distribution on hydrothermal  
conversion of biomass (PD Dr. A. Kruse, KIT-IKFT, Karlsruhe)
  
- 12.15 – 13.30 – Lunch break
  
- 13.30 – 14.30 – Numerical methods for reactive dense fluid-solid flows –  
CFD/DEM application to fluidized bed (F. Alobaid, TU Darmstadt)
- 14.30 – 14.45 – Coffee break
- 14.45 – 15.45 – Alternative Aviation Fuels (Dr. M. Braun-Unkhoff, DLR Stuttgart)
- 15.45 – 16.00 – Coffee break
- 16.00 – 17.00 – Process development from fundamentals to plant design  
at the example of supercritical partial oxidation reactions  
(PD Dr. N. Dahmen, KIT-IKFT, Karlsruhe)