Prof. Dr.-Ing. Thomas Kolb *ORCID: 0000-0003-3475-0216*

Current positions
Chair of Fuel Process Engineering, Karlsruhe Institute of Technology (KIT) (since 2010)
Head of Engler-Bunte-Institute – Fuel Technology at KIT (since 2010)
Head of DVGW Research Station at Engler-Bunte-Institute, Department "Gas Technology" (since 2010)
Head of Department "Gasification Technology" at KIT (since 2002)

Previous position
BASF SE (1990-2001)

Scientific degree
Full Professor (since 2002)
Dr.-Ing. (PhD) in Chemical Engineering, University of Karlsruhe (1990)

Recent research topics

Fuel Technology: Fuel Characterization, Process Technology, Chemical Energy Carriers, High Temperature Processes: Entrained Flow Gasification, Atomization, Gas Technology: Gas Production and Treatment, Power-to-Gas Technologies

Publications/Patents (5 most important)

- **F. Mörs, F. Graf, T. Kolb**, Handbuch Chemische Reaktoren – Kap. "Reaktoren für Dreiphasen-Reaktionen: Suspensionsreaktoren. *Springer Verlag* (2019) in press
- **P. Stoesser, C. Schneider, T. Kreitzberg, R. Kneer, T. Kolb**, On the Influence of different experimental systems on measured heterogeneous gasification kinetics, *Applied Energy* (2018) doi:10.1016/j.apenergy.2017.11.037
- **S. Fleck, U. Santo, C. Hotz, T. Jakobs, G. Eckel, M. Mancini, R. Weber, T. Kolb**, Entrained Flow Gasification. Part1: Gasification of Glycol in an Atmospheric-Pressure Experimental Rig, *Fuel* (2018) doi:10.1016/j.fuel.2017.12.077
- **M. Götz, J. Lefebvre, F. Mörs, F. Ortloff, R. Reimert, S. Bajohr, T. Kolb**, Novel gas holdup correlation for slurry bubble column reactors operated in the homogeneous regime, *Chemical Engineering Journal* (2017) doi:10.1016/j.cej.2016.09.101
- **T. Jakobs, N. Djordjevic, A. Sänger, T. Kolb**, Influence of Pressure on Twin Fluid Atomization. Basic Investigations on Burner Design for High Pressure Entrained Flow Gasifier, *Atomization and Sprays* (2015) doi:10.1615/AtomizSpr.2015011558