



Current positions

Head of Institute for Technical Chemistry at Karlsruhe Institute of Technology (KIT) (since 2014)

Chair of High Temperature Process Engineering at KIT (since 2014)

Previous positions

BASF the chemical company (1996 – 2014): several positions in process engineering R&D, petrochemicals operations and maintenance, and corporate strategic planning & controlling at Ludwigshafen, Germany and at Antwerp, Belgium

Scientific degrees

Full Professor (2014)

Dr.-Ing. (PhD) in Chemical Engineering at University of Karlsruhe (TH) (1998)

Recent research topics

Thermochemical processing of waste to chemicals, of waste to energy and of biogenic energy carriers: pyrolysis, gasification, and combustion technology research, techno-economical process evaluation, energy system analysis.

Publications/Patents (5 most important)

- **M. Tomasi Morgano, H. Leibold, F. Richter, D. Stapf, H. Seifert**, Screw pyrolysis technology for sewage sludge treatment, *Waste Management* 73, 487-495 (2018) [doi:10.1016/j.wasman.2017.05.049](https://doi.org/10.1016/j.wasman.2017.05.049)
- **M. Tomasi Morgano, B. Bergfeldt, H. Leibold, F. Richter, D. Stapf**, Intermediate pyrolysis of agricultural waste: A decentral approach towards Circular Economy, *Chem. Eng. Transactions* 65, 649-654 (2018) [doi:10.3303/CET1865109](https://doi.org/10.3303/CET1865109)
- **H.-R. Paur, W. Baumann, M. Hauser, I. Lang, N. Teuscher, H. Seifert, D. Stapf**, Thermal stability and material balance of nanoparticles in waste incineration, *J. Phys. Conf. Series*. 838 (1) (2017) [doi:10.1088/1742-6596/838/1/012012](https://doi.org/10.1088/1742-6596/838/1/012012)
- **D. Stapf**, W. Leuckel, Flow reactor studies and testing of comprehensive mechanisms for NOx reburning, *Symposium (International) on Combustion* 26 (2), 2083-2090 (1996)
- **D Stapf**, P Pässler, M Bachtler, O Scheidsteger, B Bartenbach, Preparation of acetylene and synthesis gas, US Patent 6,365,792 (2002)