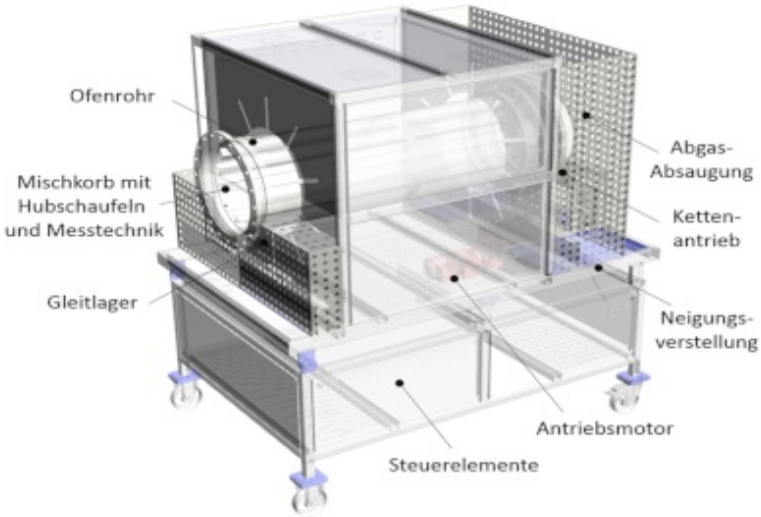
OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

CHAIR OF THERMODYNAMICS AND COMBUSTION

- Numerical calculation of flow and temperature fields in combustors (CFD)
- Simulation of combustion in coal dust and oil flames
- Flow field calculations in furnace chambers
- Heat transfer and temperature field calculations in any solid forms
- Heat transfer measurement in cooling processes with nozzle arrays, spray nozzles, spray, etc.
- Calculation of delays and hardness curve during the cooling of steels and non-ferrous metals
- Measuring the reaction and heating behavior of solids in the experimental rotary kiln
- Thermogravimetric analysis of the reaction and decomposition behavior of solids

Are you interested in our services ? Then please contact directly › Prof. Specht
(https://www.ltv.ovgu.de/ltv/en/Staff/Head+of+Department/Prof_+Eckehard+Specht-p-210.html) .

Research Focuses

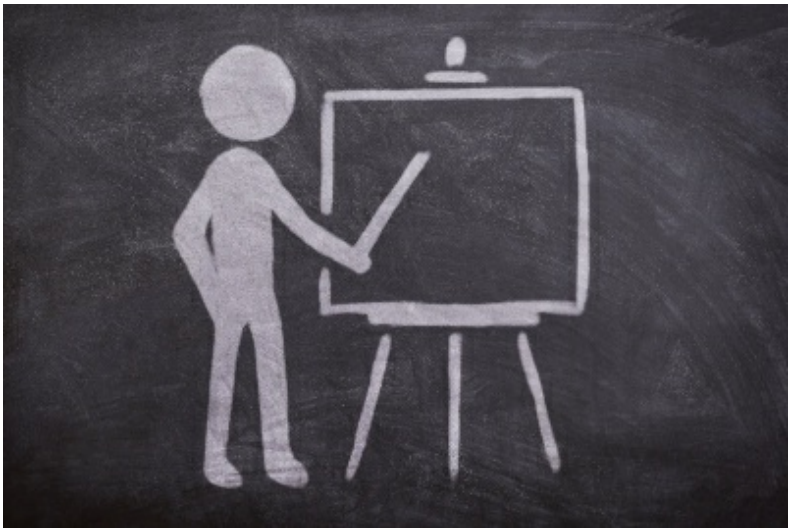


Completed Dissertations

Books & Book Contributions

Articles in Journals

Lectures



Publications by Research Focus

Publications by Vintage