ROTARY KILN SIMULATION
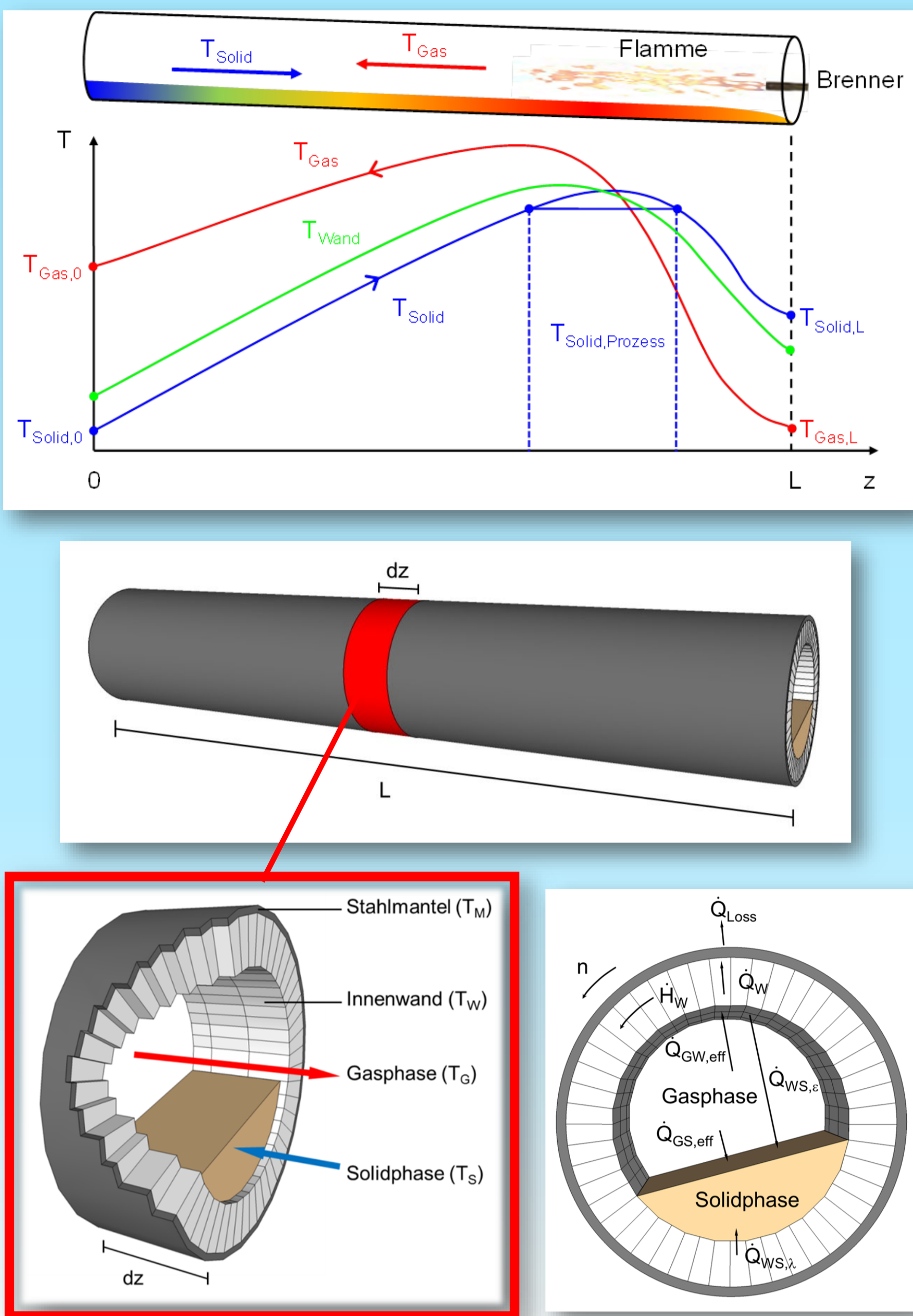
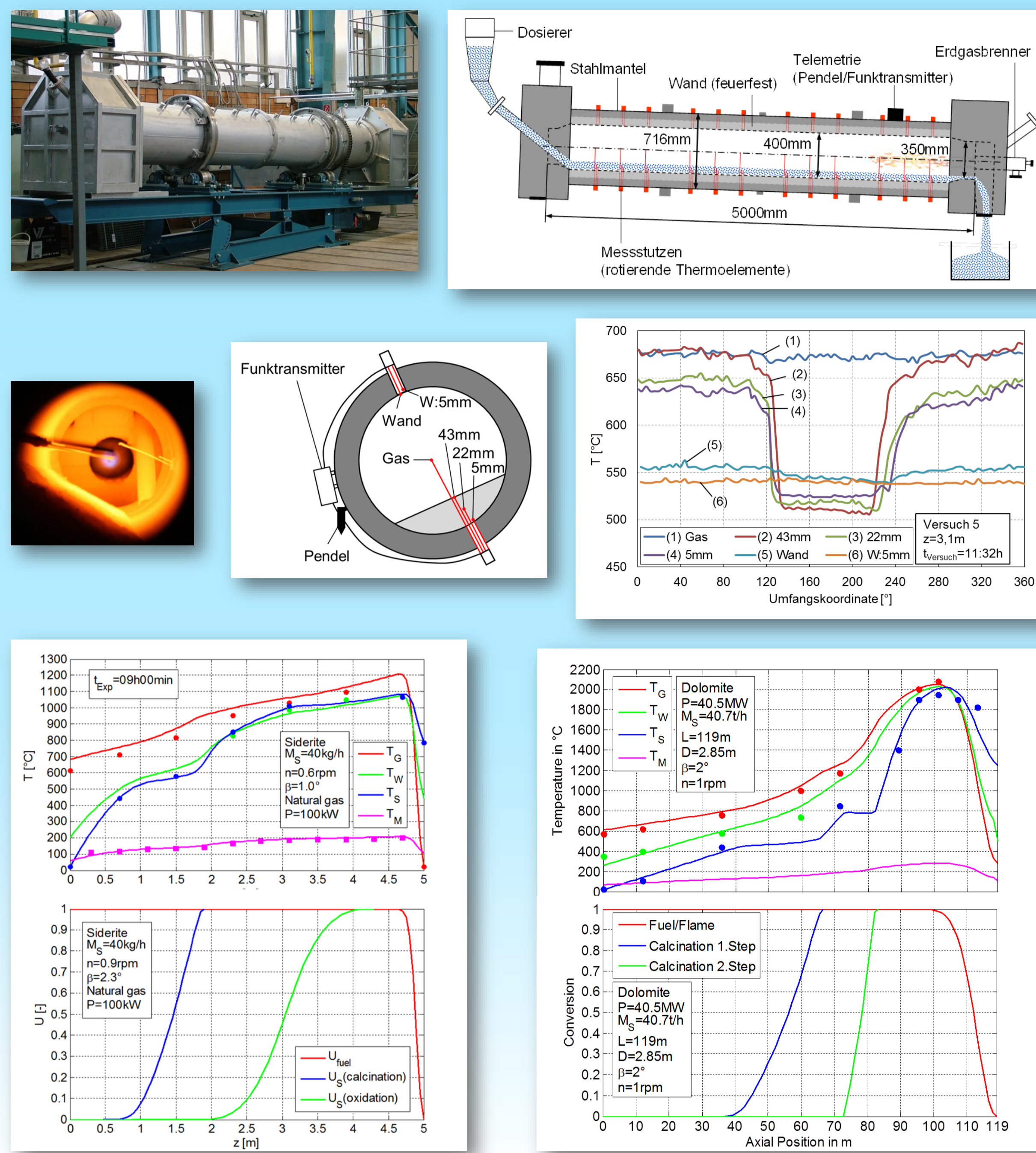**Prof. Dr.-Ing. Fabian Herz**
Apparatus and Plant Engineering, Anhalt University of Applied Sciences

Process Simulation
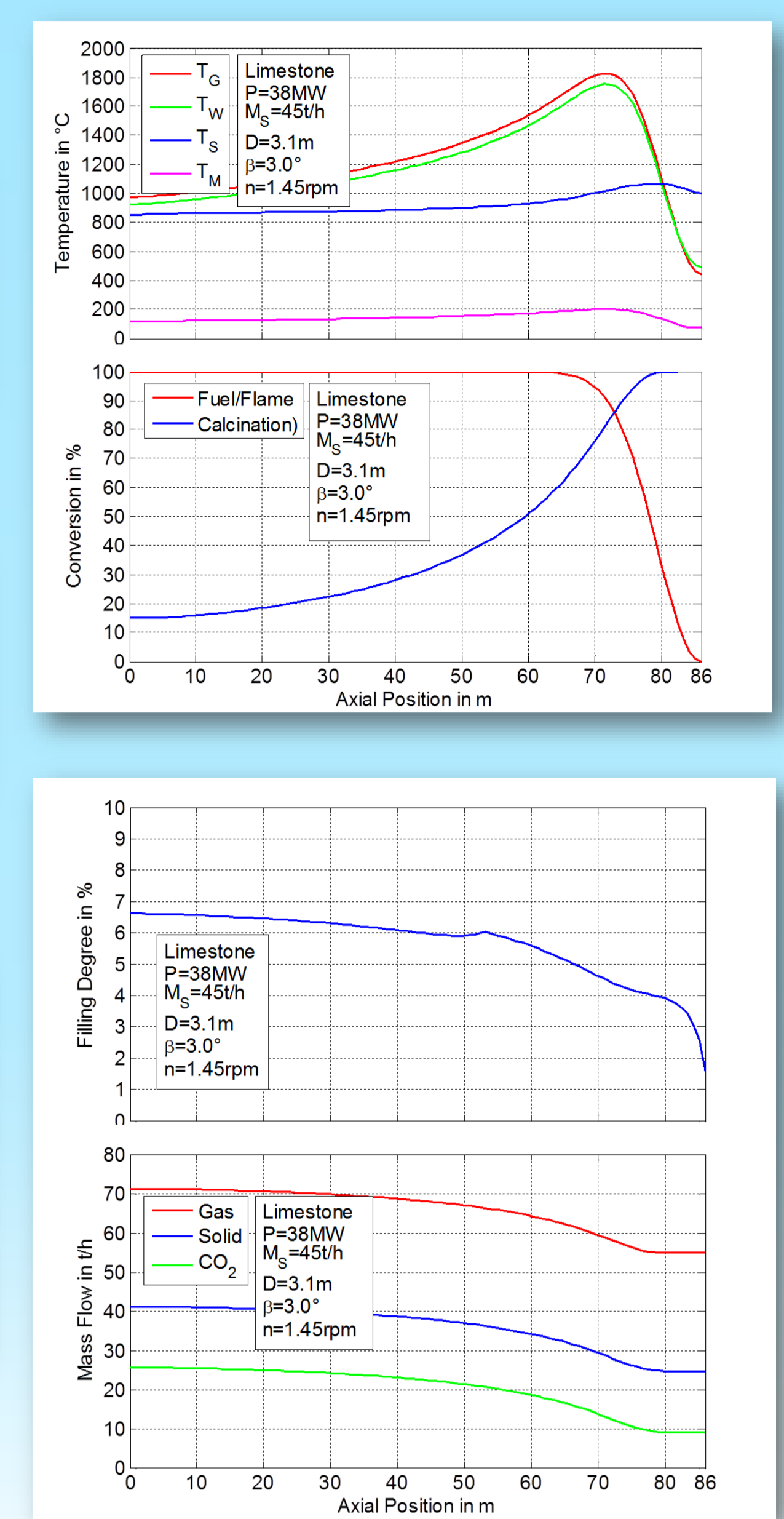
Modell Structure

Bulk Bed Dynamics

Transversal Motion Behavior

Validation in Pilot and Industrial Kilns
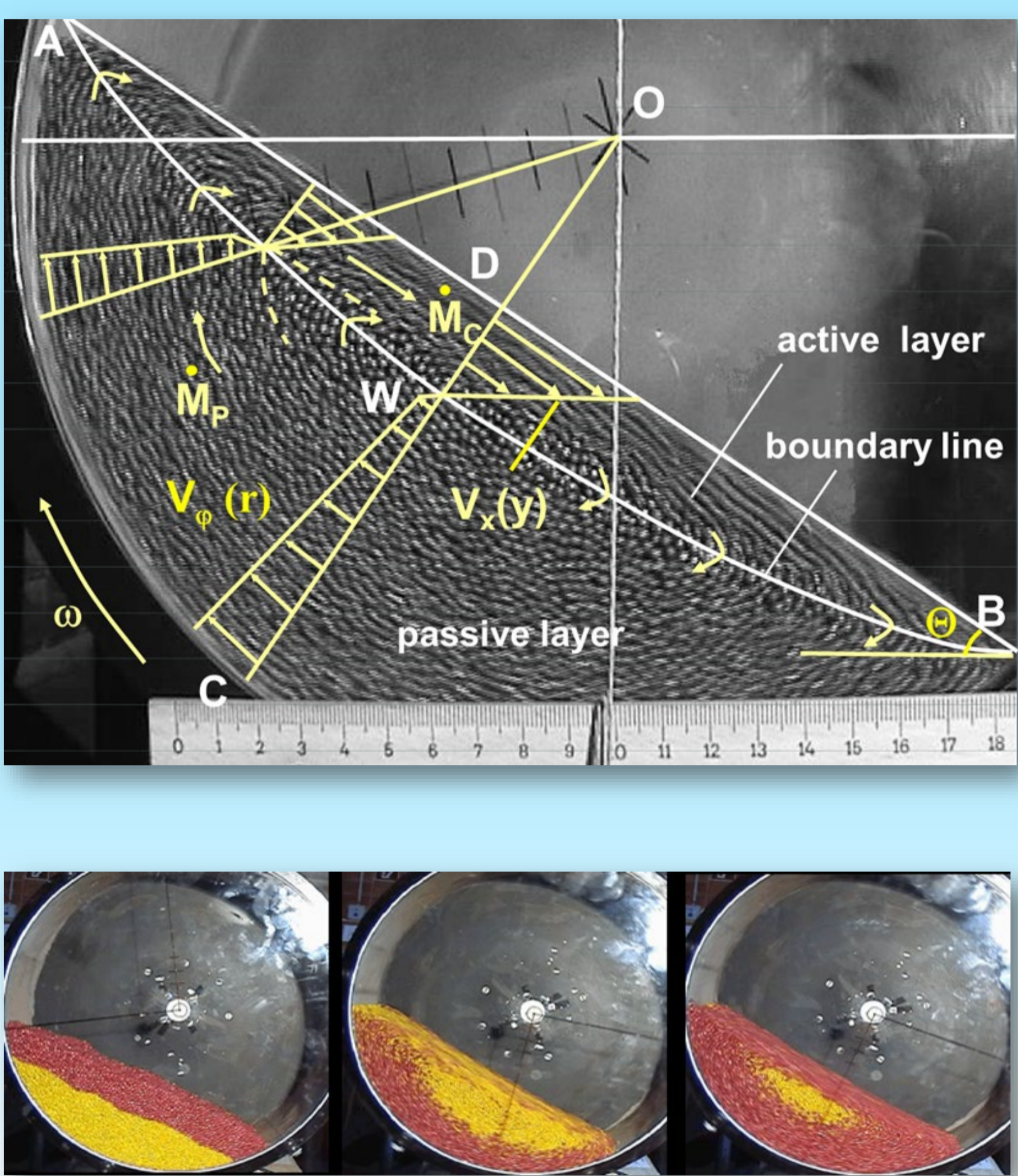
Axial Transport
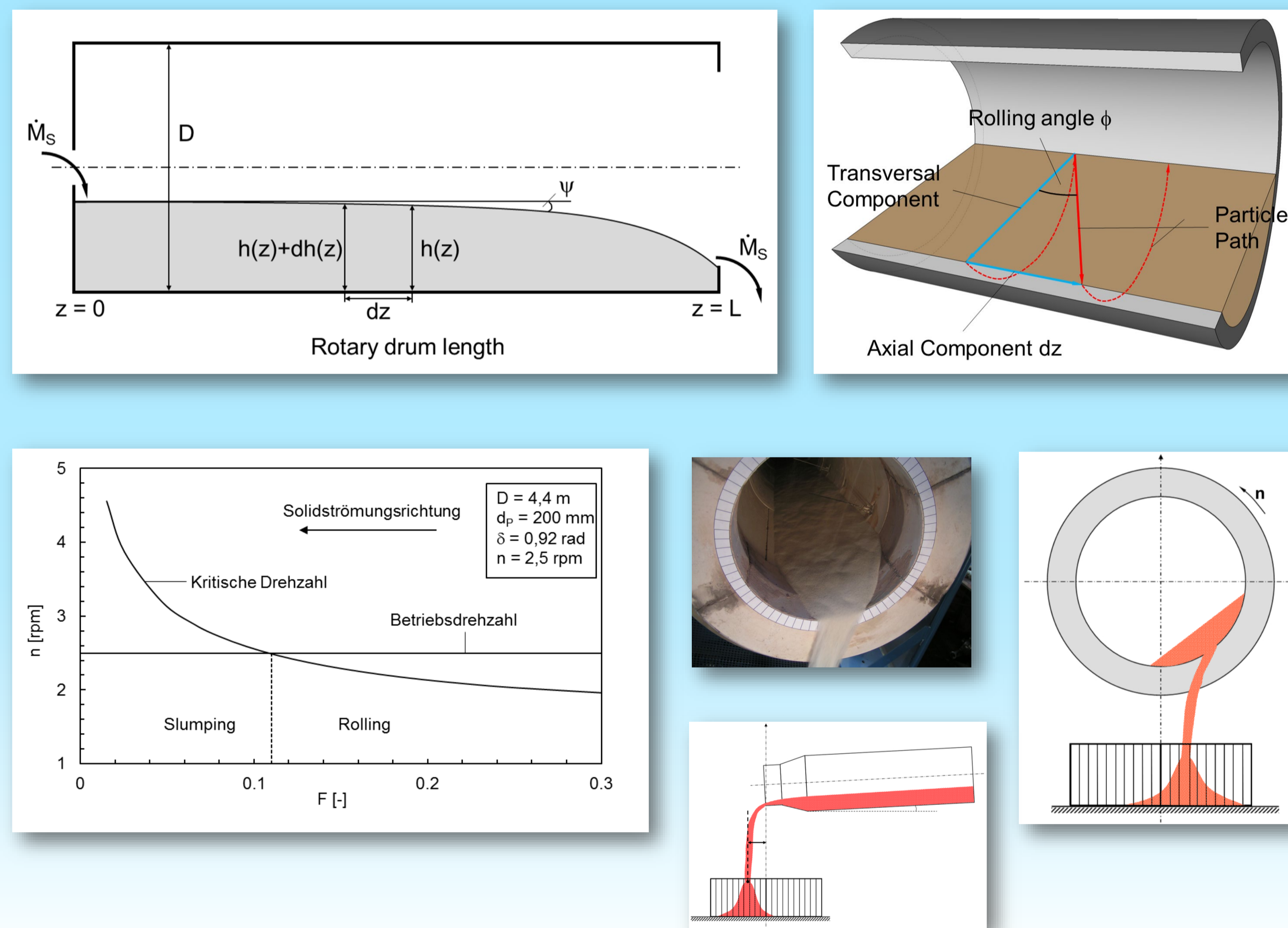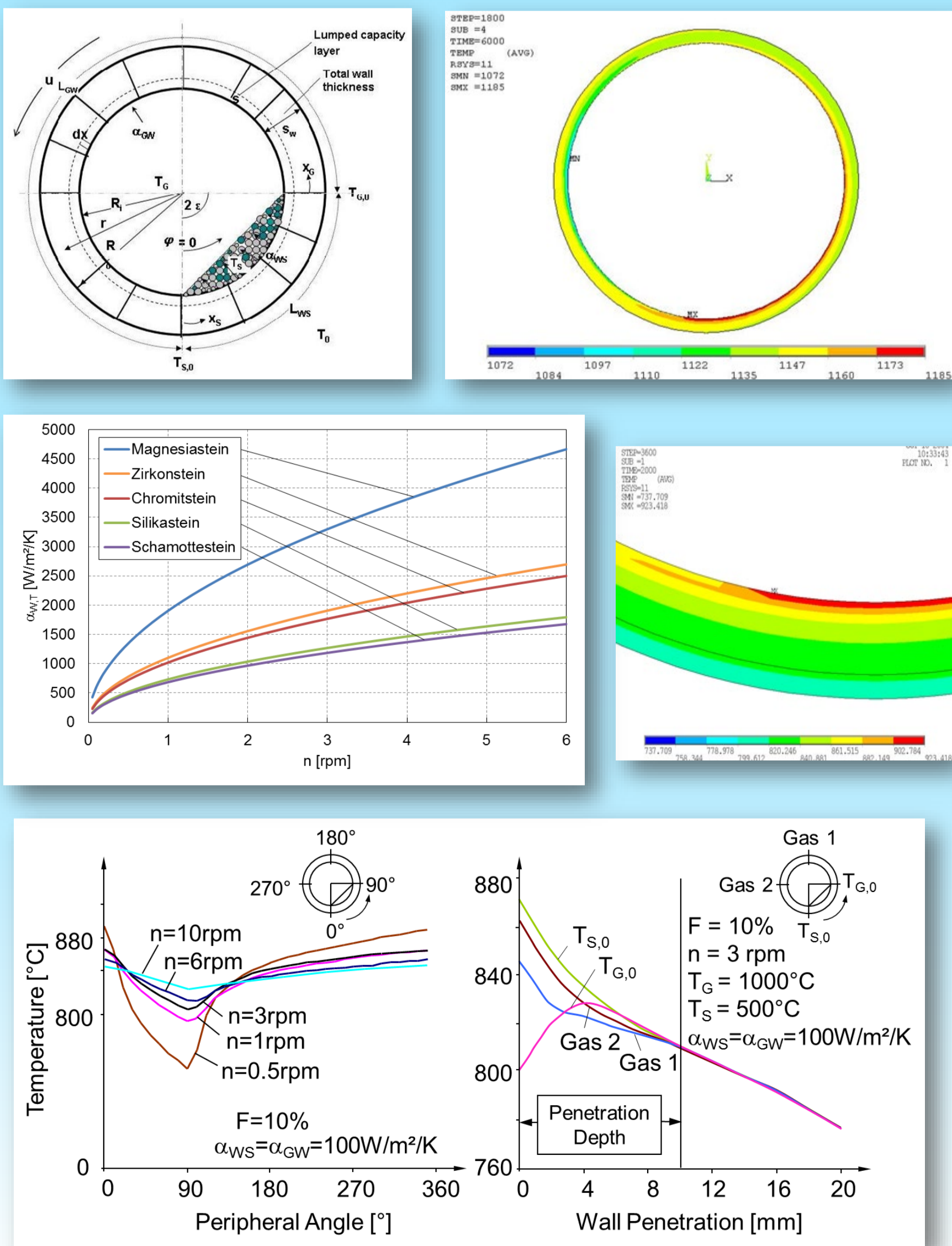

Simulation

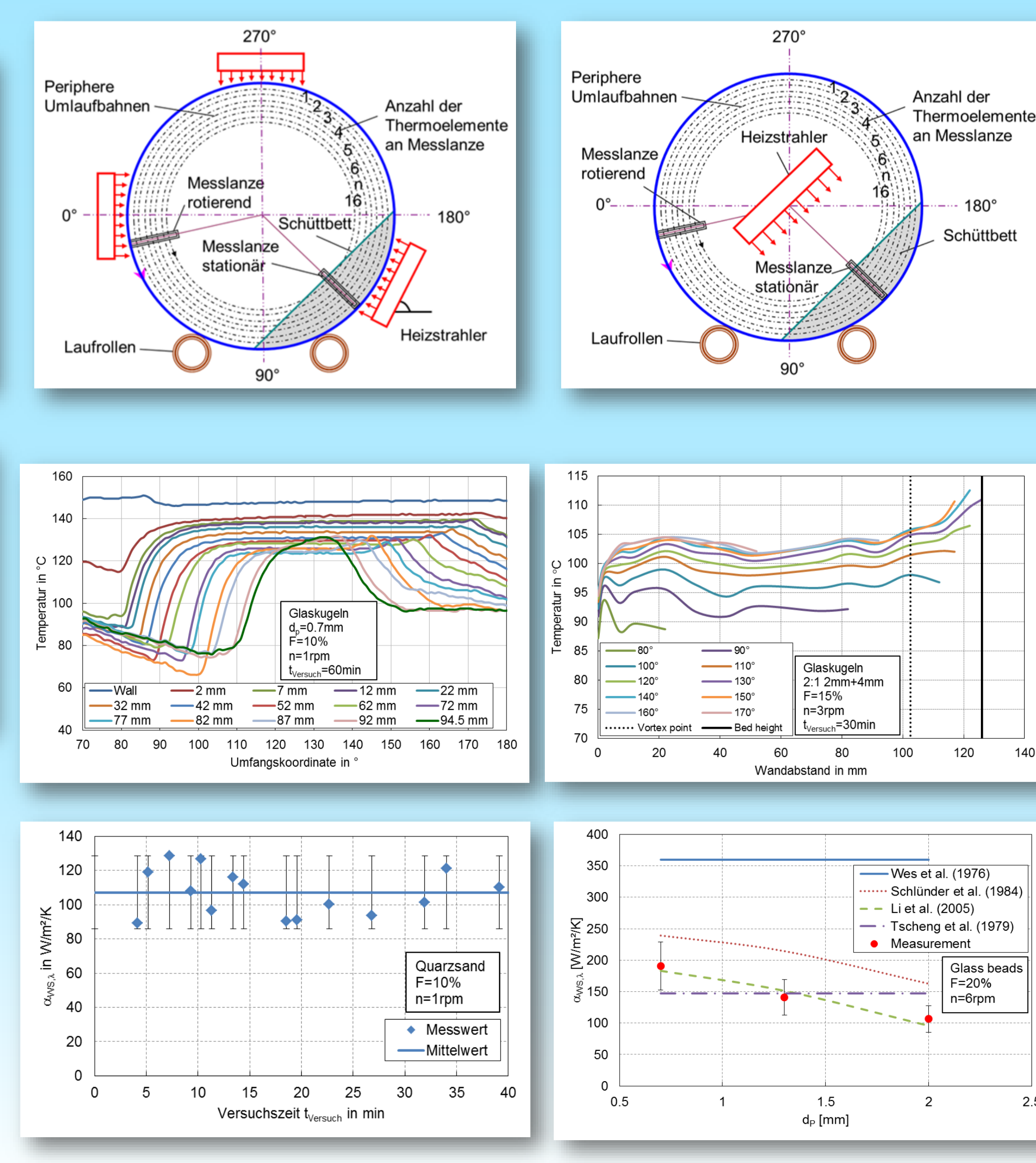### Particle Tracking
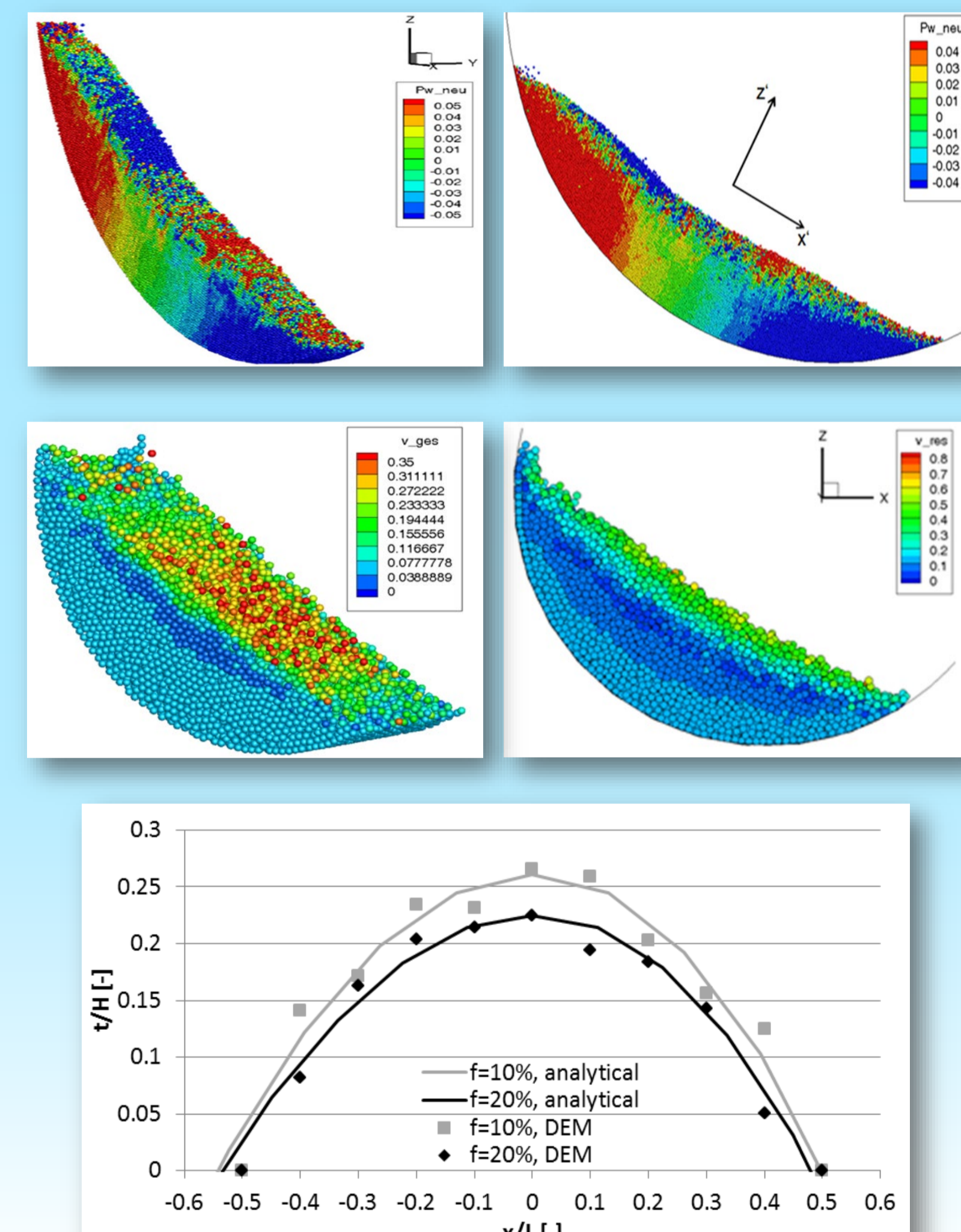
Heat Transfer

Regenerative Heat Transport

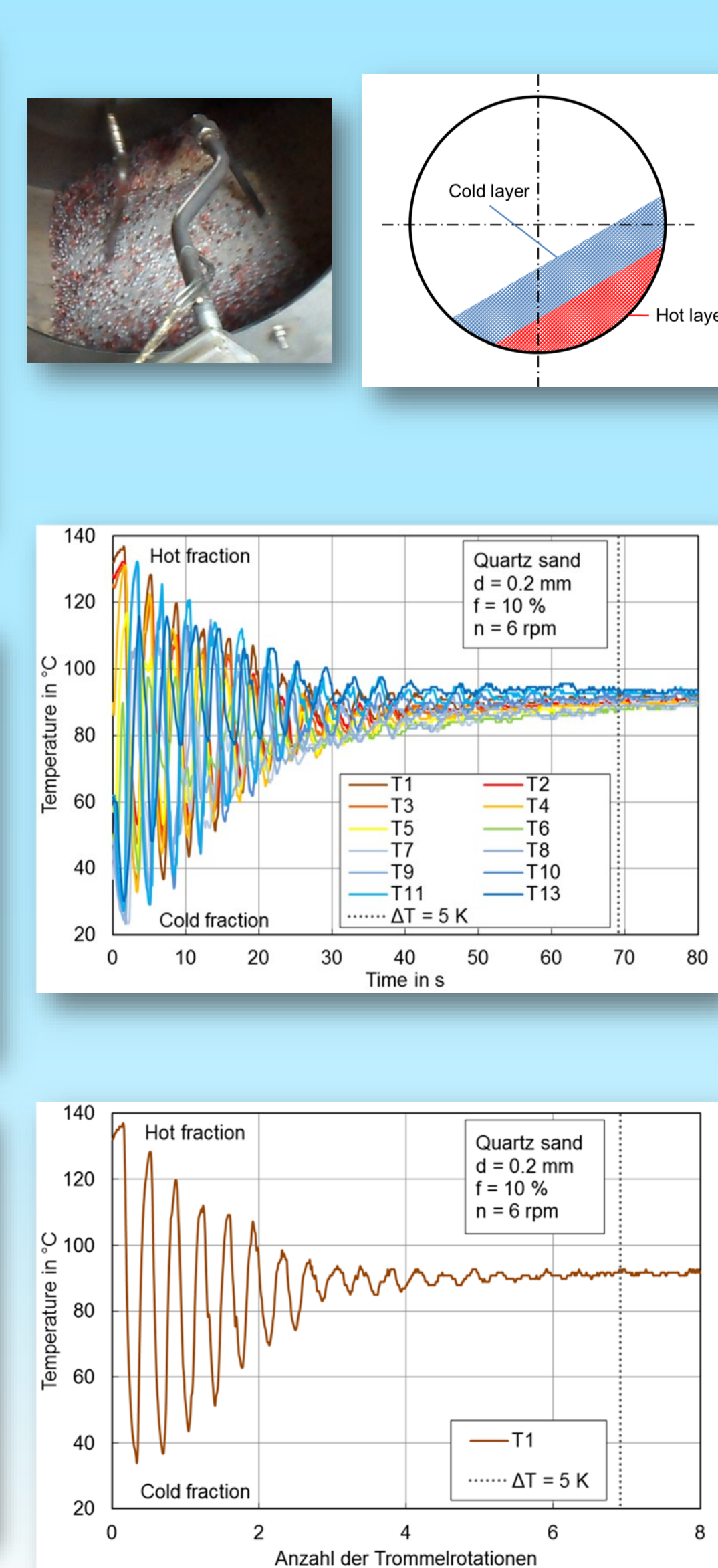### Heat Transport in the Bulk Bed

Mixing

DEM-Simulation