



## Masterarbeit

Investigations of the flue gas recirculation process within coke oven heating flues using one dimensional model

- Literature review about the modelling and the experimental investigation of the process
- Implementation of the simplified 1D model representing heating flues with recirculation ports installed in **python** or **C++**
- Validation of the model with 3D CFD based simulations using **ANSYS Fluent**
- Parameter variations analysis

**Kontakt** Dr.-Ing. Rafał Buczyński, Geb. C26, Raum H-213  
rafal.buczynski@tu-clausthal.de