

GRK 2802 - PhD Colloquium

No. 1: “Manufacturing and Challenges of MgO-C refractories”

2022, November 28

Venue: TU Bergakademie Freiberg, IKFVW, Agricolastr. 17

Room: Lecture hall SIL 0118 (part 1)
Labs and technology centre (part 2)

11:00 Presentation “**Short introduction to refractories**” (*Prof. Christos G. Aneziris*)

11:15 Presentation “**MgO-C refractories bonded with environmentally friendly binders**” (*Till Stadtmüller*)

11:30 **Workshop „Technology of MgO-C refractories“**, including demonstration of following manufacturing and characterization techniques:

- Rheological characterization of ceramic/refractory slurries, particularly of gelatine dispersions (*Till Stadtmüller*)

- Mixing procedure of carbon-containing refractory materials (*Julia Richter, Till Stadtmüller*)

- Uniaxial pressing of MgO-C refractory material (*Till Stadtmüller, Julia Richter*)

- Exposition of selected refractory products and functional components (*Jana Hubálková*)