

Master Thesis opportunity

Location:

Material Research Center ZMP Fürth @ Dr.-Mack-Straße 77-81 | 90762 Fürth

Mission:

Synthesize templated mesoporous carbons and functionalize them.
Test and characterize the synthesized materials for the capture of CO₂

Skills needed:

Bachelor degree in chemical engineering or chemistry

Languages: Fluency in English. German is a big plus, French is a bonus.

Proficiency in Office 365, Python is a plus

Understanding of adsorption, fitting of data to interpretation models.

Confidence in laboratory work: wet chemistry standard procedures, safety and organization

Motivation, autonomy and interest in saving the world :)

Learning outcomes:

Wet chemistry and use of laboratory material: synthesis and characterization equipment

Present your research to peers: writing reports and presenting

Bibliographic work: searching, storing papers, writing

Experience in a professional environment

Application procedure:

Please briefly describe yourself and your motivation in a mail to pierre.cautaerts@fau.de Think of attaching the usual curriculum vitae and transcript of records (and lectures attended). Subsequently, we will discuss the match between work to be done and your skills.

Spontaneous applications for bachelor theses are welcome too.