



CHEMICAL
ENGINEERING
DEPARTMENT

PhD researcher in pressure swing adsorption

The adsorption team of the [Department of Chemical Engineering](#) (Vrije Universiteit Brussel, Belgium) is looking for a PhD researcher (targeting a Baekeland project) to research drying of gaseous flows using pressure swing adsorption (PSA) techniques, together with a large world-wide company active in Belgium. The focus is on fabricating, characterizing and testing novel adsorbent structures in a PSA application, from lab to pilot scale. A significant portion of the work involves simulation and process modelling. To this purpose, you can make use of the available setups (including pilot), synthesis knowhow and tools, and modelling expertise and software within both the university as company.

We are looking for an active, creative and autonomous researcher, ready to work in a team (both at the university and company) and pursue a PhD diploma (4 years).

Admission requirements

Preferably, the candidate owns a degree in Chemical Engineering, Bio-engineering or (Physical) Chemistry. Experience is a plus, with more emphasis on cyclic adsorption testing or process modelling. English can be considered as the main communication language, and Dutch is considered a plus.

Start date

As soon as possible or February 28th, 2022 at the latest.

Interested?

The candidates should contact Prof. Tom Van Assche at tom.van.assche@vub.be. Please send a complete Curriculum Vitae, with a recent photograph. Recommendations are beneficial.