



CHEMICAL
ENGINEERING
DEPARTMENT

VACANCY Postdoctoral Researcher in Adsorptive CO₂ Capture

Department of Chemical Engineering Vrije Universiteit Brussel (VUB, Brussels, Belgium)

Description

The adsorption team of the Department of Chemical Engineering at the Vrije Universiteit Brussel (<http://vubchemicalengineering.be>) aims at the development of separation processes for a sustainable chemistry. In this project, we will develop new processes for CO₂ capture. In this large, multidisciplinary and multi-partner project, new processes for intensified CO₂ capture will be studied. At the Vrije Universiteit Brussel, we will develop and study new adsorptive processes based on the use of alternative heating and regeneration methods. This includes both modeling and experimental work. The team of Prof. Denayer has extended know-how in the field; the well-equipped research lab contains all possible tools for the in-depth study of adsorption separation processes.

Profile

Preferably, the candidate owns a PhD Degree in Chemical Engineering. Experience in adsorptive processes is required. Also modeling experience is an important asset.

Contract

Full time during 1.5 years, starting asap or January 3rd, 2022 at the latest.

Application

The candidates should contact Prof. Joeri Denayer. Please send a complete Curriculum Vitae, with a recent photograph, and the names of two leading scientists who are ready to support your application and recommend you as an active, creative and autonomous post-doctoral researcher, ready to work in a team.

Contact Prof. Denayer Joeri

Phone + 32 2 629 17 98

E-mail joeri.denayer@vub.be