

VACANCY PhD Researcher in Carbon Capture

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

Description The adsorption team of the Department of Chemical Engineering (Prof. J. Denayer) at the Vrije Universiteit Brussel (<http://vubchemicalengineering.be>) aims at the development of better and sustainable separation processes. In the present project, new methods for CO₂ capture are studied. 2 PhD positions are available. This research fits in a larger project, aiming at the catalytic reduction of CO₂ to Solar Fuels and Chemicals. Research activities in these PhD projects include the formulation of new materials (3D-printing); characterization of the adsorption properties of the materials via a range of experimental methods (gravimetry, volumetry, calorimetry, porosimetry,...) available in the research group; modeling of the adsorptive separation process.

Brussels, the capital of Belgium and Europe, is a small sized city (ca. 1 million of inhabitants) offering a lot of attractive free-time facilities.

Profile Preferably, the candidate owns a degree in Chemical Engineering, Bio-engineering or (Physical) Chemistry. Experience is a plus.

Contract Full time during 4 years, starting as soon as possible. The application procedure will require more or less two to max. three months.

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 researcher, ready to work in a team.

Contact Prof. Denayer Joeri

Phone + 32 2 629 17 98

E-mail joeri.denayer@vub.be
