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NOTICE

BASIC INFORMATION

Position available within the research project entitled: "*Developing innovative low carbon solutions for energy-intensive industrial applications by Carbon Capture, Utilization and Storage (CCUS) technologies*", project number: PN-III-P4-ID-PCE-2016-0031

Title*: Assistant researcher (doctoral researcher)

Offer Description*: Relevant expertise in computer aided process engineering using chemical simulation tools (ChemCAD, Aspen, Matlab), general knowledge about energy conversion systems with carbon capture, utilisation and storage (CCUS) tehnologies, integrated design of chemical and energy conversion processes, techno-economic assessment of processes.

Researcher Profiles *:

☑ First Stage Researcher (R1) ☐ Recognised Researcher (R2)

☐ Established Researcher (R3) ☐ Leading Researcher (R4)

Research field *: Chemistry
Subresearch field: Chemical engineering, Chemical technology

Type of Contract*: Temporary

Job Status *: Part-time

Hours Per Week*: *10 hr/week (40 hr/month)*

Application Deadline *: 06.10.2017

Envisaged Job Starting Date: *16.10.2017*

Is the job funded through a EU Research Framework Programme? *
Not funded by an EU programme

How to Apply *: email

HIRING INFO & WORK LOCATION

Number of positions available*: *1 position*

Company/Institute*: Faculty of Chemistry and Chemical Engineering

Department*: Department of Chemical Engineering

REQUIREMENTS

Required Education Level *(se completează unul sau mai multe câmpuri, după caz)*

Main Research Field*: Chemistry

Level*: Master Degree or equivalent

Skills/Qualifications: PhD student with relevant expertise in computer aided process engineering using chemical simulation tools (ChemCAD, Aspen, Matlab/Simulink), general knowledge about energy conversion systems with carbon capture, utilisation and storage (CCUS) tehnologies

Specific Requirements: **- Computer aided chemical engineering**

- Energy conversion systems with carbon capture, utilisation and storage (CCUS) tehnologies

- expertise in computer aided process engineering using chemical simulation tools (ChemCAD, Aspen, Matlab/Simulink)

- general knowledge about energy conversion systems with carbon capture, utilisation and storage (CCUS) tehnologies

Required Languages *(se completează unul sau mai multe câmpuri, după caz)*

Language * ROMANIAN

Level* Excellent

Language * ENGLISH

Level* Excellent

Required Research Experience *(se completează unul sau mai multe câmpuri, după caz)*

Research Field * Chemistry

Years of Research Experience * 1 - 4

ADDITIONAL INFO

E-mail for additional job details: cormos@chem.ubbcluj.ro

Project coordinator,

Prof. PhD Eng. Calin-Cristian Cormos