



Novel system for CO2 direct capture

Record number : OPR-358

Overview

RESEARCH DIRECTION

Martin Brouillette, Professeur -
Department of Mechanical Engineering

ADMINISTRATIVE UNIT(S)

Faculté de génie
Département de génie mécanique

INFORMATION

martin.brouillette@usherbrooke.ca

LEVEL(S)

2e cycle
3e cycle
Stage postdoctoral

LOCATION(S)

Campus principal

Project Description

Global warming is probably the greatest technological challenge we are currently facing. Towards minimizing carbon dioxide emissions and reducing their atmospheric concentration, the project aims at designing, fabricating and testing a novel CO2 capture system from industrial or atmospheric gas sources. The system will be based on a new absorbent geometry minimizing pressure losses and maximizing the duty cycle, in order to achieve capture at a reduced cost compared to existing technologies

Starting date : August 2019

Discipline(s) by sector

Sciences naturelles et génie

Génie mécanique

Funding offered

Yes

\$ 20 000

The last update was on 12 March 2024. The University reserves the right to modify its projects without notice.