

Programação do curso sobre Utilização Sustentável de CO₂

Time	Monday 30 th March	Tuesday 31 st March	Wednesday 1 st April	Thursday 2 nd April
	<i>Introduction to CO₂ utilisation</i>	<i>CO₂ → fuels</i>	<i>CO₂ → chemicals</i>	<i>CO₂ → solvents</i>
8:00-9:00	Registration/delivery of material			
9:00-9:30	Opening Ceremony	CO ₂ to methanol (Dr. Robson Monteiro - Catalysis)	Using CO ₂ to make polymers (Dr Ian Ingram - York)	Supercritical CO ₂ for extractions and reactions (Dr Tom Farmer - York)
9:30-10:00	Introduction to Green Chemistry and CO ₂ utilisation (Prof Claudio Mota - UFRJ)			
10:00-11:00	Why use CO ₂ for Chemistry? (Prof. Michael North - York)	CO ₂ to hydrocarbons (Dr Lucia Appel - INT)	Cyclic Organic Carbonates (Dr James Comerford - York)	Cyclic carbonates as solvents (Prof. Michael North - York)
11:00-11:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:30-12:30	CO ₂ utilisation, the biorefinery and the bio-based economy (Dr Jennie Dodson - York)	Invited talk: Electrochemical Methods of CO ₂ conversion (Prof. Benjamin Buckler - Loughborough)	Process engineering of CO ₂ conversion (Prof. Ofelia Araujo - UFRJ)	Round table: where next for CO ₂ and building a Brazilian CO ₂ utilisation network (Dr. Eduardo Falabella - Petrobras; Dr. Paulo Coutinho - Braskem, Prof. Michael North - York; Prof. Claudio Mota - UFRJ)
12:30-13:00	Lunch	Lunch		
13:00-14:00				
14:00-15:00	Bio-based platform molecules for CO ₂ utilisation (Dr Tom Farmer - York)	Dry reforming (Prof. Victor Teixeira - UFRJ)		
15:00-15:30	Materials for CO ₂ capture – MOF (Prof. Jussara Miranda - UFRJ)	Algae for CO ₂ capture (Prof. Donato Aranda - UFRJ)		
15:30-16:00	Materials for CO ₂ capture – Functionalized silicas (Prof. Celia Ronconi - UFF)	Molecular Modeling of CO ₂ capture and conversion (Prof. José Walkimar - UFF)		
16:00-16:30	Opportunities in CO ₂ conversion: technological and innovation dynamics (Prof. Flavia Alves and José Vitor - UFRJ)	Poster session		
16:30-17:00				