

CUTTING-EDGE TECHNOLOGY FOR CARBON CAPTURE, UTILIZATION AND STORAGE



24th-27th September, 2017

Novotel Hotel and Conference Center
Clermont-Ferrand, France

There is general agreement amongst the nations of the world that increasing amounts of carbon dioxide in the atmosphere are effecting the world's climate. One option is to eliminate the use of fossil fuels but this is probably not going to happen in the short term. Thus carbon capture has emerged as a possible means for cleaner combustion of carbon-based fuels. Carbon capture is the removal of carbon dioxide from flue gas before it has been emitted to the atmosphere. Once the carbon has been captured it can either be injected in suitable subsurface formations (Carbon Storage) or converted to useful products (Utilization).

The purpose of this conference is to gather scientists, engineers, etc. working on all aspects of CCUS to present their latest work, share ideas, and help to advance the cause of CCUS.

At CETCCUS, ProSim will set up a prize, ProSim Best Student Paper Award, to honor the best student poster or presentation. We welcome all students to submit a paper and participate in CETCCUS.

Conference Topics

- √ Carbon Capture
 - New processes and solvents for CO₂ removal
 - Physical and thermodynamic properties of potential solvents
- √ Transportation of CO₂
 - Compression
 - Pipe flow
 - Physical, thermodynamic and kinetic properties
- √ Utilization of Carbon Dioxide
 - Converting CO₂ into commercial products
 - Food-grade CO₂
- √ Injection of CO₂
 - Wells, completions, cementation
 - Enhanced oil recovery
- √ Behavior of CO₂ in the Reservoir
 - Reservoir characterization
 - Physical properties of carbon dioxide (in particular the effect of impurities)
 - Flow through the reservoir
 - Mineralization of CO₂
 - Seismic activity related to fluid injection
- √ Related subjects
 - Reducing the cost of CCUS
 - Corrosion
 - Lessons learned from acid gas injection – a more mature technology
 - Current CO₂ market study
 - CCS market studies

Keynote Speaker

Paul BROUTIN

IFP Energies Nouvelles, Solaize, France

Technical and Scientific Committee

- √ Karine Ballerat-Busserolles, Co-Chair
 - Institut de Chimie de Clermont-Ferrand, Clermont-Ferrand, France
- √ John Carroll, Co-Chair,
 - Gas Liquids Engineering, Calgary, Canada
- √ Xioachun Li,
 - Chinese Academy of Sciences, Wuhan, China
- √ Jean-Yves Coxam,
 - Université Clermont-Auvergne, Clermont-Ferrand, France
- √ Olivier Baudoin,
 - ProSim, Toulouse, France
- √ Jean Charles de Hemptine,
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Website:

<http://iccf.univ-bpclermont.fr/spip.php?article1201>
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