

IFP energies nouvelles

a public-sector research, innovation and training center
 5 complementary strategic priorities

Renewable **Eco-friendly** Innovative **Eco-efficient** Sustainable production energies transport processes resources **ENERGY** REDUCING THE **ENERGY EFFICIENCY** SECURING DIVERSIFICATION **ECOLOGICAL IMPACT** SUPPLIES DECARBONATION CLIMATE CHANGE: CUTTING CO, EMISSIONS

SUSTAINABLE DEVELOPMENT

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Producing fuels, chemical intermediates and energy from renewable sources

Producing energy while mitigating the environmental footprint

Developing fuel-efficient, environmentallyfriendly transport Producing environmentallyfriendly fuels and chemical intermediates from fossil resources Providing environmentallyfriendly technologies and pushing back the current boundaries of oil and gas reserves



Thematics

non exhaustive ...

L/L: emulsion

- crude oil (natural surfactants....), solids
- impact of EOR polymer, surfactants
- wettability, capillary pressure issues
- L/G: foam
 - gas/water: aqueous foam EOR
 - in confined systems (microfluidic, porous media)
 - other foam (gas/crude, ...)
- L/L/G
 - emulsified oil flotation for produced water treatment (EOR)
 - impact of polymer, surfactants (naturals & EOR)

chemical EOR
O/W separation
water treatment
wettabiity
rheology control



www.rs-colloids2012.com

- Colloids 2012 17-19 Oct 2012 (IFPEN)
 - Smart systems
 - Dynamic interfacial phenomena
 - Rheology and flow in confined systems

International Conference on Colloids and Complex Fluids: Challenges and Opportunities

Main Menu

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General information

- Context and Objectives
- Committee(s)
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- What is IFPEN?
- Access

Important dates

Conference proceedings

Program

- At a glance
- Wednesday 17 October 2012

Thursday 18 October 2012

FINAL PROGRAM - REGISTRATION OPEN!

Advances in the field of colloid and complex fluid sciences will lead to the development of new efficient and eco-friendly solutions designed to address some of the energy and environment-related challenges of the 21st century.

Colloids and complex fluids sciences are a growing and flourishing field and significant progress has been made in terms of understanding, designing, characterizing and modeling colloidal systems and their flow properties.

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