



## Seminar

### **Cryogenic processes for the purification of CO<sub>2</sub>-rich natural gas and LNG production**

MINES ParisTech  
60, Boulevard Saint Michel  
75272 PARIS Cedex 06  
10:00 – 15:30  
Friday 12 June 2015  
Salle Chevalier

#### **Program:**

Welcome breakfast: 10:00 – 10:30

Meeting introduction  
10:30 – 10:40

Rodrigo Tinoco Rivera, CES-MINES ParisTech  
**Crystallization of Gases at Low Temperature and Novel Approach on Energy Recovery**  
10:45 – 11:30

Paul Terrien, Air Liquide  
**CRYOCAP NG - Combination of Cryogenics & Membranes for Gas Fields with High CO<sub>2</sub> Content**  
11:30 – 12:15

Lunch break (Buffet): 12:15 – 13:30

Stefania Moioli and Giorgia De Guido, Politecnico di Milano  
**The Dual-Pressure Low Temperature Process for Natural Gas Purification.**  
**I. Techno-Economic Analysis of LNG Production Using Cryogenic vs. Conventional Techniques.**  
**II. Dynamic Analysis**  
13:30 – 14:15

Scott Northrop, ExxonMobil  
**Sour Gas Treating Using Controlled Freeze Zone™ Technology: Demonstrated Commercial Readiness**  
14:15 – 15:00

Round table and conclusions  
15:00 – 15:30

Visit to Musée de Minéralogie MINES ParisTech