



12 June 2015

Seminar:

Cryogenic processes for the purification of CO₂-rich natural gas and LNG production

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Recent studies have shown that 40% of the remaining natural gas reserves are sour ($H_2S > 4$ ppm) and/or with high CO_2 content (15%-80%). The increasing demand for natural gas has made reserves with high CO_2 content economically attractive promoting the design of new process solutions for the profitable exploitation of these kinds of gas reserves. Cryogenic processes are promising technologies for natural gas purification, in particular if the final product is LNG. Discussion between companies and academic institutions is fundamental for understanding the needs in terms of research for the design and optimization of these processes.

If this topic interests you, come and participate to this seminar which will take place on June 12, 2015 at Mines ParisTech, Paris (Salle Chevalier).

You are welcome to send your participant information form to Paolo Stringari (paolo.stringari@mines-paristech.fr, 01 64 69 48 57).

Participant information

First name :	
Family name :	
Company or institution :	
Email :	

Preliminary Program

10h00 – 10h30	Welcome reception
10h30 – 10h40	Meeting introduction
10h45 – 11h30	<i>Rodrigo Tinoco Rivera, MINES ParisTech</i> Crystallization of Gases at Low Temperature and Novel Approach on Energy Recovery
11h30 – 12h15	<i>Paul Terrien, Air Liquide</i> CRYOCAP NG - Combination of Cryogenics & Membranes for Gas Fields with High CO₂ Content
12h15 – 13h30	Lunch break (Buffet)
13h30 – 14h15	<i>Stefania Moioli and Giorgia De Guido, Politecnico di Milano</i> 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
14h15 – 15h00	<i>Scott Northrop, ExxonMobil</i> Sour Gas Treating using Controlled Freeze Zone™ Technology: Demonstrated Commercial Readiness
15h00 – 15h30	Round table and conclusions
15h30 –	Visit of ‘Musée de Minéralogie’ of Mines ParisTech