

**EPSRC Centre for Doctoral Training in Fluid Dynamics across Scales**

**Industry-Academia-Interface Day: TOTAL (Oil and Gas)**

**Friday 13 November 2015, RODH 252**

**AGENDA**

- 09:30 Omar Matar, Welcome and Introduction to the CDT
- 09:45 Arthur Moncorgé, TOTAL GeoScience Research Centre  
An Introduction to Fluid Dynamics Challenges in TOTAL
- 10:45 Coffee
- 11:00 Sam Krevor, Dept. of Earth Science & Engineering  
The Pore and Core Scale Petrophysics of CO<sub>2</sub> Injection
- 11:30 Ann Muggerridge, Dept. of Earth Science & Engineering  
CFD Challenges in Modelling Oil Recovery
- 12:00 Omar Matar, Dept. of Chemical Engineering  
Dynamics of Multiphase Flows in Pipelines
- 12:30 Sylvain Laizet, Dept. of Aeronautics  
High Fidelity Simulations of Particle Driven Gravity
- 13:00 Lunch
- 14:00 Jan Vinogradov – Tour of TOTAL Reservoir Physics Laboratory