

Advances in Carbon Dioxide Utilisation

18th December 2012

Department of Chemistry, UCL

CO₂



Synthon **Synthesis** Renewable
Mineralisation **Catalysis** Syngas Inorganics Green
Methanol CCS Fuels **Utilisation** Zeolites
Engineering Energy **CCU** Algae
capture Polymers Hydrogen Ethanol Hydrothermalites Electrocatalysis
Photocatalysis **Process** Fine-Chemicals
Biotransformation **Chemistry** Research Carbon
Innovation Amines

CO₂ utilisation provides one of the biggest grand challenges to the chemicals industry today. This one day meeting will discuss advances in carbon dioxide utilisation technologies and present the latest research from the UK and Europe. We are delighted to welcome Michele Aresta as our main speaker, Michele is Professor of Chemistry and Director of CIRCC- National Consortium on Catalysis at University of Bari, Italy, a world renowned expert on CO₂ utilisation and author of 'Carbon Dioxide as a Chemical Feedstock' Wiley, 2009, the most comprehensive published textbook on CCU.

Participants are invited to give a two minute flash presentation on their current work and bring a poster.

CO₂Chem is an EPSRC Grand Challenge Network, bringing together academics, industrialists and policy makers over a wide range of disciplines to consider the utilisation of carbon dioxide as a single carbon chemical feedstock for the production of value added products.

Network activities are geared towards the founding of strong cross-disciplinary research clusters that will lead research in this increasingly important area. CO₂Chem has over 400 members from over 45 different universities and 60 companies.

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Agenda

10.45am	Coffee and registration	
11am	Welcome and CO ₂ Chem Update	Peter Styring and Katy Armstrong
11.15am	Keynote Presentation: Vision for CCU	Michele Aresta University of Bari
12.15	Public perception and CCU	Chris Jones University of Sheffield
12.45pm	Lunch	
1.45pm	Solar Fuels	Lee Cronin University of Glasgow
2.15pm	Flash presentations	
2.45pm	Update from DECC	Aimee Griffiths
3.15pm	Coffee	
3.45pm	Flash presentations	
4.45pm	Update on Horizon 2020	TBC
5pm	Update from EPSRC	Alex Berry
5.15- 7pm	Networking and wine	

**Roberts Building
University College London
Torrington Place
WC1E 7JE**

**Nearest Tube: Warren Street,
Euston Square or Goodge Street**

Cost £25

Book at

<http://co2chem.co.uk/calendar>

**More information from Katy Armstrong
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