

# 4th Annual Coal Tech 2010

1-2 June 2010 | Brisbane Marriott Hotel

## Day One: Tuesday 1 June 2010

8:30 Registration & morning coffee

9:00 IIR Welcome & Opening remarks from the Chair:  
Dr. Duncan Seddon

9:20 Case Study: Latrobe Valley Project  
Charlie Speirs, *Director, Clean Coal Victoria,*  
Department of Primary Industries, Victoria

10:00 Case Study: Otway Project

Presentation will:

- Cover the work of CO2CRC, highlighting the progress of its pre and post combustion capture projects
- Examine some of the outcomes of Australia's first storage project: The CO2CRC Otway project

Barry Hooper, *Chief Technologist and Capture Program Manager, Cooperative Research Centre for Greenhouse Gas Technologies*

10:40 Morning tea

11:10 A Pathway to Low Emission Brown Coal Utilisation  
Slade Wormington, *Principal Process Engineer,*  
Exergen Pty Ltd

11:50 Case Study: Towards Large-scale CCS

- Current state of technology
- Current projects
- CCS implementation issues
- Process Group focus

Craig Dugan, *Managing director,*  
Process Group Pty Ltd

12:20 Environmental Management, the Upside and Downside of Underground Gasification  
Peter Sallans, *General Manager UCG,*  
Liberty Resources Limited

12:50 Lunch

2:00 Case Study: Delta Electricity – NSW Carbon Capture Projects

- An update on the operation of the Munmorah pilot carbon capture plant
- The proposed NSW CCS Demonstration Project  
Peter Coombes, *Manager Sustainability, Delta Electricity*

2:40 Case study: Clinton Project –  
A Coal-Biomass-to-Liquid (CBTL) Project

- Syngas is targeting bringing the Clinton Project online in 2015 and operating it for 40 years
- Primary feed material is the Company's 100% controlled feedstock
- This coal (lignite) feedstock is currently expected to be supplemented by non-food biomass sourced from the local area as part of the Company's carbon management strategy

Merrill Gray, *Managing Director & Executive Director,*  
SYNGAS

3:10 Afternoon tea

3:40 Case Study: Dewatering of Lignite – Latrobe Valley Project  
Ashley Moore, *Business Manager – Coldry,*  
Environmental Clean Technologies Limited

4:20 Case Study : 2010 –  
Coal Projects & Prospects in Australia

An overview of coal deposits and tenement holdings within Australia demonstrating:

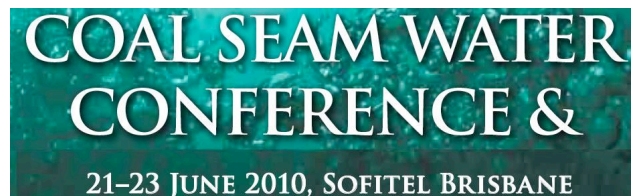
- The future in coal resource exploitation in Australia with regards to Coal Mining, LNG, Coal to Liquids or Coal Gasification
- Ownership and Locations of the tenements; analysing the technologies likely to be implemented in the different regions as a result
- How the different technologies can co-exist on the one tenement and issues that may arise when this occurs
- Investment opportunities and/or risks within Australia coal resource exploitation

Kevin Irving, *General Manager of Mining, XSTRACT*

4:50 Closing remarks from Chair

UPCOMING CONFERENCES INCLUDE:

For more information visit: [www.csqopsweek.com.au](http://www.csqopsweek.com.au)



This OCTOBER don't miss LONGWALL 2010





## Day Two: Wednesday 2 June 2010

8:30 Morning coffee

9:00 Opening remarks from the Chair:  
James McGregor, CSIRO &  
Peter Tingate, GeoScience Victoria

9:10 ZeroGen Project Update

- Proposing to build one of the world's first baseload low emissions coal fired power plants with carbon capture and storage, in Queensland
- Working with the Queensland Government, Australia's black coal industry through ACALET, Mitsubishi Heavy Industries and the Mitsubishi Corporation will accelerate the development and deployment of low emissions technology, a critical element in global efforts to address climate change and reduce emissions from power generation
- Supporting a sustainable future for Australia's \$50 billion coal industry and the 130,000 jobs it provides

Colin Whyte, Stakeholder & External Relations Manager, ZeroGen

9:50 Progress Update : Geological Carbon Storage in Victoria  
Peter Tingate, Senior Geologist,  
Energy Geoscience Group, GeoScience Victoria

10:30 Morning tea

11:00 Case Study : Latest Developments in Post-Combustion Capture  
James McGregor, Energy Systems Manager,  
CSIRO Division of Energy Technology

11:40 MBD Energy Limited – CO2 to Energy  
Greenhouse gas abatement at large emitters using algae:

- The process, conversion of greenhouse gases to algae oil and meal
- Project summary – from display (1 Ha) to large scale deployment
- Bio CCS Program – 3 regional programs each targeting 50 Million tonnes of greenhouse gas sequestration per year by 2020

Andrew Lawson, Managing Director,  
MBD Energy Limited

12:10 Q & A Forum

12:20 Lunch

1:20 Case Study : Does the Accelerated Utilisation of Victorian Lignite, via Advanced Depolymerisation, Hold the Key to Domestic Energy Security & Maintenance of Black Coal Export Earnings?  
Dr. John White, Executive Director,  
Ignite Energy Resources Ltd

2:00 Demonstration of Mineralisation via Aqueous Precipitation Technology (MAP) for Beneficial Use of CO2 in the Built Environment

- Introduce the MAP process: CO2 from a flue gas stream is absorbed into water and converted into carbonate anions through highly controlled pH modulation. The carbonate materials produced are essentially forms of limestone that can be used for a number of applications in building materials such as cement and aggregates
- Consider advantages of MAP as mineralogical sequestration process
- Present the results of capture and mineralisation performance from continuous pilot scale tests and a 10 MW scale on a slip-stream of the Dynegy Moss Landing power plant in Northern California

William Day, V.P. Development Engineering & Construction, Treavor Kendall, Dir. Geochemistry, Calera Corporation

2:40 Afternoon tea

3:10 Challenges and Costs of CO2 Transportation and Storage

CO2 storage is a critical path item in commercial CCS projects. Presentation will consider:

- The costs and timings for a commercial CO2 transportation and storage operation
- Opportunities for development of common-user infrastructure
- The economic gap that currently faces projects proponents in the CCS market today

Dr Geoff Ingram, Corporate and External Affairs,  
Schlumberger Carbon Services Australasia

3:40 Case Study : Linc Energy's Australian Projects  
Peter Bond, Managing Director, Linc Energy

4:20 Closing remarks from Chair – end of conference

**Thank you for attending  
Coal Tech 2010 in Brisbane.**

**Please remember to  
hand in your feedback/evaluation forms  
on your way out.**

**We look forward to  
welcoming you back to  
a future IIR event!**