



*Reducing Greenhouse Gas Emissions Arising from the Use of Coal in Electricity
Generation*

COAL21 Conference 2007

18th - 19th September 2007 : Crowne Plaza Hunter Valley, NSW, Australia

Click on each speakers name below to activate a hyperlink to their presentation,
or on "BIO" to go through to their biographical details.

DAY ONE: Tuesday 18th September

8.30 Registration

SESSION 1: OPENING ADDRESSES

Chair: *Mr Tim Besley AC* ([BIO](#))
Chairman
COAL21

9.00 **OPENING REMARKS FROM THE CHAIR**

- ❖ Mr Tim Besley AC ([BIO](#))
Chairman
COAL21

VIDEO MESSAGE

- ❖ Hon Ian Macfarlane MP (Please refer to VIDEO Folder on CD)
Federal Minister for Industry, Tourism and Resources

KEYNOTE ADDRESS

- ❖ [Mr Andy Lloyd](#) ([BIO](#))
Mining Executive
Rio Tinto Limited

9.30 **AN OVERVIEW OF RECENT DEVELOPMENTS IN CLEAN COAL TECHNOLOGIES**

- ❖ [Dr Geoffrey Morrison](#) ([BIO](#))
Program Manager
IEA Clean Coal Centre

10.10 *Morning tea*

SESSION 2: DEVELOPMENTS IN GEOLOGICAL STORAGE

Chair: *Mr Chris Stamford* ([BIO](#))
General Manager, Mining Industries Branch
Resources Division, Department of Industry, Tourism and Resources

10.45 DEMONSTRATING CO₂ STORAGE IN AUSTRALIA

❖ [Dr Peter Cook](#) ([BIO](#))
Chief Executive
CRC for Greenhouse Gas Technologies (CO2CRC)

11.10 THE DARLING AND SYDNEY BASINS RESERVOIR AND GEOSEQUESTRATION SCREENING STUDIES

❖ [Dr Tom Loutit](#) ([BIO](#))
Managing Director
FrOG Tech

11.35 A NEAR-TERM REALITY: THE ROLE OF MOOMBA IN THE CARBON INFRASTRUCTURE OF EASTERN AUSTRALIA

❖ [Mr John Anderson](#) ([BIO](#))
Vice President, Strategic Projects
Santos

12.00 ONSHORE STORAGE OPTIONS FOR CARBON DIOXIDE

❖ [Mr Geoffrey Ingram](#) ([BIO](#))
Business Development Manager Carbon Services
Schlumberger Oilfield Australia

12.30 Lunch

SESSION 3: DEVELOPMENTS IN GASIFICATION

Chair: *Mr Stuart Booker* ([BIO](#))
Deputy Director-General
Department of Premier and Cabinet Queensland

1.30 ADVANCED GAS PROCESSING FOR THE CO-PRODUCTION OF POWER AND HYDROGEN WITH CARBON CAPTURE

❖ [Dr Kelly Thambimuthu](#) ([BIO](#))
Chief Executive Officer
Centre for Low Emission Technologies

2.00 THE ZEROGEN PROJECT

❖ [Mr Howard Morrison](#) ([BIO](#))
Senior Technology Advisor
(IGCC) ZeroGen Project

2.30 **KWINANA HYDROGEN POWER PROJECT**

- ❖ [Mr Lewis Jeffery \(BIO\)](#)
Project Director
Hydrogen Energy

3.00 **THE FUTUREGEN PROJECT - PROGRESS UPDATE AND LESSONS LEARNT**

- ❖ [Mr Maha Mahasenan \(BIO\)](#)
Environmental Technology Manager
Rio Tinto Energy America

3.30 *Afternoon tea*

SESSION 4: BROWN COAL PROJECTS AND THE FUTURE FOR R&D

Chair: *Mr Cliff Kavonic (BIO)*
Director, Business Development
Department of Primary Industries Victoria

3.45 **HRL's 400 MW IDGCC DEMONSTRATION POWER PLANT IN THE LATROBE VALLEY**

- ❖ [Dr Terry Johnson \(BIO\)](#)
Principal Consultant
HRL Developments

4.15 **HAZELWOOD 2030 PROJECT**

- ❖ [Mr Tony Innocenzi \(BIO\)](#)
Engineering Manager
Hazelwood Power

4.45 **R&D: WILL IT MATTER IN THE FUTURE? THE CASE FOR YES AND HOW**

- ❖ [Mr Frank van Schagen \(BIO\)](#)
Chief Executive Officer
CRC for Coal in Sustainable Development

5.15 **CLOSE OF DAY ONE**

DAY TWO: Wednesday 19th September

SESSION 5: DEVELOPMENTS IN POST COMBUSTION CAPTURE AND OXYFUEL

Chair: *Mr Alan Coutts* ([BIO](#))
Deputy Director-General
NSW Department of Primary Industries

9.00 **DEMONSTRATING POST COMBUSTION CAPTURE IN NEW SOUTH WALES**

- ❖ [Mr Peter Coombes](#) ([BIO](#))
Manager, Sustainability
Delta Electricity

9.30 **AN OVERVIEW OF POST-COMBUSTION CO₂ CAPTURE AT CSIRO**

- ❖ [Dr Paul Feron](#) ([BIO](#))
CSIRO-CEO Science Leader
CSIRO Energy Technology

10.00 **OXY-COMBUSTION TECHNOLOGY IN THE WORLD SCENE**

- ❖ [Mr Franco Montagner](#) ([BIO](#)) prepared by Chris Spero ([BIO](#))
Project Engineer
CS Energy

10.30 *Morning tea*

SESSION 6: POST COMBUSTION CAPTURE & NOVEL APPROACHES

Chair: *Mr Burt Beasley* ([BIO](#))
Director, Technology and Innovation
Australian Coal Association

11.00 **ALTERNATIVE PATHWAYS TO LOW EMISSION ELECTRICITY GENERATION**

- ❖ [Dr Louis Wibberley](#) ([BIO](#))
Principal Technologist
CSIRO Energy Technology

11.30 **DEMONSTRATING POST COMBUSTION CAPTURE IN AUSTRALIA**

- ❖ [Mr Barry Hooper](#) ([BIO](#))
Chief Technologist
CRC for Greenhouse Gas Technologies
(CO2CRC)

12.00 **AN OVERVIEW OF CHEMICAL LOOPING COMBUSTION AS A POTENTIAL CLEAN COAL TECHNOLOGY**

- ❖ [Professor Behdad Moghtaderi](#) ([BIO](#))
Co-Director
Priority Research Centre for Energy
The University of Newcastle

12.30 *Lunch*

SESSION 7: PANEL SESSION - WHAT ROLE SHOULD CCS PLAY IN THE FUTURE ENERGY MIX?

Chair: *Mr Doug Holden, Director, External Relations ([BIO](#))
Australian Coal Association*

1.30 PANEL DISCUSSION

Moderator: Richard Neville, Futurist ([BIO](#))

Panelists:

- ❖ [Dr Harry Schaap](#) ([BIO](#))
Policy Advisor, National Generators Forum
- ❖ [Dr John Wright](#) ([BIO](#))
Director, Energy Transformed Flagship
CSIRO
- ❖ [Dr Karl Mallon](#) ([BIO](#))
Consultant Climate Policy Analyst, WWF
- ❖ Mr Erwin Jackson (Please refer to Video folder on CD)
Director, Policy and Research
The Climate Institute
- ❖ Mr Tony Maher ([BIO](#))
General President, Mining & Energy Division, CFMEU

3.00 CLOSING ADDRESS

- ❖ [Mr Ralph Hillman](#), Executive Director ([BIO](#))
Australian Coal Association