



For further information:

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## QCAT's Innovation and Excellence – Program

1st August 2008

### Your CSIRO

Australia is founding its future on science and innovation. Its national science agency, CSIRO, is a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities across the nation.

The Queensland Centre for Advanced Technologies (QCAT) brings together industry, government and research organisations for the fourth annual Innovation & Excellence day. Innovation and Excellence aims to give you a preview of current projects from across the QCAT precinct and to facilitate the discussion of new R&D directions and industry issues.



## Queensland Centre for Advanced Technologies

The Queensland Centre for Advanced Technologies is a world leading collaborative technology precinct for the resources and advanced technologies industries. QCAT enables CSIRO, industry, government and other R&D providers to form partnerships in areas essential to Queensland's future development.

Key R&D clusters at QCAT are: clean coal technologies; smart mining, minerals processing, niche materials manufacture, Information Communication Technologies (ICT), and aeronautical engineering.

supported by:



The Queensland Centre for Advanced Technologies was established 15 years ago as a collaboration between CSIRO and the Queensland Government

## TODAY'S PROGRAM

- 9:00 – 9:30 Arrival
- 9:30 – 9:50 Welcome Tim McLennan  
Official Opening Dr Geoff Garrett AO  
Opening Reply Hon. Geoff Wilson MP
- 9:50 CSIRO Energy Technology  
Dr David Harris with Mr Frank van Schagen from the Cooperative Research Centre for Coal in Sustainable Development  
*Coal gasification in low emission technologies*
- 10:10 CSIRO Exploration and Mining  
Dr David Reid with Mr Guy Mitchell from BHP Mitsubishi Alliance  
*Longwall automation – a successful CSIRO-Industry Partnership*
- 10:30 Rio Tinto Alcan Queensland R&D Centre  
Dr Lyndon Armstrong – *Technology directions in the Alumina Industry*
- 10:50 – 11:10 Morning Tea**
- 11:10 CSIRO ICT Centre  
Dr Peter Corke with Mr Damien Virieux from the Powercom Group  
*The Wireless Sensor Network success story: from research to a commercial product*
- 11:30 Teakle Composites  
Dr Philip Teakle – *Case study of a new technology transfer company*
- 11:45 CSIRO Materials Sciences and Engineering  
Dr Cameron Davidson – *Advances in light weight alloys with a focus on automotive applications*
- 12:00 CSIRO Minerals  
Dr Ralph Holmes – *The importance of iron ore to Australia and CSIRO's contribution*
- 12:15 Defence Science Technology Organisation  
Mr Mark Bateup – *DSTO-Brisbane and hypersonic flight*
- 12:30 – 1:30 Lunch**
- 1:30 – 3:00 Optional site tours including:
- Coal Preparation
  - Coal Gasification
  - Iron Ore Sintering and Beneficiation
  - Defence Science Technology Organisation Hyshot Program
  - Autonomus Systems Laboratory