

# SHORT COURSE AGENDA

## Carbon Capture and Storage – Issues and Opportunities for the Energy Industry

**Instructor: Prof. John G. Kaldi (Chief Scientist, CO2CRC)**

**13 August, 2011(Saturday)**

**Language: English**

<b>Time</b>	<b>Program</b>	
<b>08:00-08:30</b>	Registration and Reception	
<b>08:30-08:40</b>	Opening and welcome remarks	Prof. <b>Chien-Ying Wang</b> , Dean of College of Earth Sciences, National Central University
<b>08:40-10:30</b>	<b>Session 1</b> <ul style="list-style-type: none"><li>● CCS: The global framework</li><li>● Capture &amp; transport overview</li></ul>	
<b>10:30-10:50</b>	<b>Coffee break</b>	
<b>10:50-12:00</b>	<b>Session 2</b> <ul style="list-style-type: none"><li>● Storage technology<ul style="list-style-type: none"><li>a. Site Characterisation for CCS<ul style="list-style-type: none"><li>i. Storage capacity estimates</li><li>ii. Injectivity (permeability and pressure considerations)</li><li>iii. Containment (seals and traps)</li></ul></li><li>b. Reservoir modelling: CCS specific applications</li><li>c. Monitoring and verification techniques</li></ul></li></ul>	
<b>12:00-13:30</b>	<b>Lunch</b>	
<b>13:30-15:00</b>	<b>Session 3</b> <ul style="list-style-type: none"><li>● Risk Assessment</li><li>● Economics</li><li>● Regulatory framework/Public awareness</li></ul>	
<b>15:00-15:20</b>	<b>Coffee break</b>	
<b>15:20-17:00</b>	<b>Session 4</b> <ul style="list-style-type: none"><li>● Overview of world-wide projects as case studies<ul style="list-style-type: none"><li>a. Sleipner (Norway), Weyburn (Canada), In Salah (Algeria), Ketzin (Germany),</li><li>b. Otway (Australia)</li></ul></li><li>● Detailed case study: CO2CRC Otway Project</li><li>● Wrap-up</li></ul>	