

# Monday 6 December 2010

8:00-17:00	Registration and Enquiry desk open – Building 10 UTS Exhibitions - Building 10 UTS				
<b>9:00-10:30</b>	<b>Plenary M1 - Function Centre Building 10 UTS</b>				
9:00-9:10	Opening address - Anne Gardner, Conference Chair				
9:10-9:20	Welcome to country				
9:20-9:30					
9:30-10:30	<b>Keynote M1</b> - (Session Chair: Anne Gardner)			<b>Prof. Ed Crawley - CDIO</b>	

## 10:30-11:00 Morning Tea - Building 10 UTS

11:00-12:30	Parallel Workshop Sessions				Workshops	
M2	M2A	M2B	M2C	M2D	M2E	M2F
Session Chair	<i>Kristina Edstrom &amp; Johan Malmqvist</i>	<i>Peter Goodhew</i>	<i>Clement Fortin</i>	<i>Daniel Loden, Stephanie Cutler, &amp; Ahn Tran</i>	<i>Zorica Nedic, David Lowe et al</i>	<i>Matt Eliot, Prue Howard, Juliana Kaya Prpic .</i>
	<b>CDIO workshop 1 Integrated Curriculum</b>	<b>CDIO workshop 2 CDIO Workspaces</b>	<b>CDIO workshop 3 Engineering Reasoning</b>	<b>EWB Challenge Coordinator Collaboration Workshop</b>	Labshare: Using Remote Laboratories to share expertise and share resources	<b>ALTC Project: Assessing Individual Students' Learning in Team-Based Coursework</b>

## 12:30-13:30 Lunch - Building 10 UTS

13:30-15:00	Plenary Session	Workshops	
Session Chair	ALTC Project: Attrition, Pathways, Qualification Standards and Academic Support  Robin King, Elizabeth Godfrey & friends	<b>M3WA</b> <i>Graham Dawson</i>	<b>M3WB</b> <i>Kristina Edstrom &amp; Johan Malmqvist</i>
		eBooks for Engineers	<b>CDIO workshop 4 Integrated Curriculum</b>

## 15:00-15:30 Afternoon Tea - Building 10 UTS

15:30-17:00	Parallel Paper Sessions			Workshops		
M4	M4A	M4B	M4C	M4WA	M4WB	M4WC
Session Chair	<i>Elizabeth Godfrey</i>	<i>Keith Willey</i>	<i>Duncan Campbell</i>	<i>James Trevelyan</i>	<i>Stefan Hallstrom &amp; Kristina Edström</i>	<i>Clement Fortin</i>
	118. Part-time study distorts student attrition rates in Engineering Programs	132. Group work & individual assessment	144. Best practice or Business as Usual?			

	171. Scoping the opportunities to aid recruitment & retention of indigenous students in engineering	78. Towards rational assessment of group projects in engineering higher education	110. CDIO Concepts for computer engineering teaching			
	57. A review of para-professional engineering education in Australia: Exploring the VET-HE divide	152. Research in progress: assessing individual student learning within team-based engineering curricula	136. Engaging the CDIO framework in Chemical Engineering Education			
	61. The career aspirations & other characteristics of Australian para-professional engineering students	96. Effect of group formation on performance, task management & social loafing	126. Multiplying project experiences for engineering students: accumulated experience for sharing @ Nanyang Polytechnic	Engineering Practice in the Classroom: how to improve social & technical learning at the same time	CDIO workshop 5 Learning in Design-Implement Experiences	CDIO workshop 6 Engineering Reasoning
	113. Investigating engineering students' choices & motivations - a work in progress	108. Experiments in the use of quizzes to facilitate teamwork	63. Embedding EWB Development Projects in an Engineering Program			
	172. Dipl-Ing Rest in Peace? The implementation of the Bologna process in Germany's engineering education	43. Identifying the issues of team project work for distance education students: a case study in civil engineering	22. An evaluation of the EWB Challenge - implications for future curriculum change			

## Tuesday 7 December 2010

7:30-8:50	<b>ERM Breakfast in Cafe 10 Ground floor Building 10 UTS</b>					
8:00-17:00	Registration and Enquiry desk open - Building 10 UTS Exhibitions - Building 10 UTS					
8:50-10:00	<b>Plenary T1</b>					
9:00-10:00	Keynote T1 (Session Chair: Anne Gardner)			Dr. Keith Willey		
10:00-10.30	ALTC Scholars Report		Roger Hadgraft and Ian Cameron			
<b>10:30-11:00 Morning Tea - Building 10 UTS</b>						
<b>11:00-12:45</b>						
<b>Parallel Paper Sessions</b>				<b>Workshops</b>		
<b>T2</b>	<b>T2A</b>	<b>T2B</b>	<b>T2C</b>	<b>T2D</b>	<b>T2WA</b>	<b>T2WB</b>
Session Chair	David Lowe			Invited Paper session Lesley Jolly	Colin Kestell & Steven Grainger	Dave Wisler

		142. Laboratory demonstrators' perceptions of the remote laboratory implementation of a fluid mechanics lab	134. Understanding generic engineering competencies	26. Enhanced feedback - Does peer assessment achieve this goal?				
		51. Is it worth investing in remote online network accessible laboratory devices?	100. Embedding graduate attribute development into engineering teaching curriculum: less is more?	56. Improving student learning through peer marking in a first year engineering course	175. Evaluation - the driver of the engineering education machine. Frank Bullen			
		19. Inception & Management of RAL Projects	41. Designing an integrated Engineering Foundation course	141. The impact of self-assessment & reflection on student learning outcomes				
		79. Building Blocks for Flexible & Engaging Learning Environments	118. Linkages between courses: A Holistic approach to programmes	169. Collaborative peer learning to change learning culture & develop the skills for lifelong professional practice				
		129. Blended learning for course sharing – a case study	111. Dynamic modelling, validating & fine-tuning of engineering curriculum	133. Young engineers & good problem-solving: the impact of learning problem-solving explicitly	174. Our programs are good.....because our students say they are. <i>Tom Molyneaux, Margaret Jollands &amp; Lesley Jolly</i>	Lecture Theatre Technology	CDIO workshop 7 Industry Perspective	
		National Review into Engineering Laboratory Resource Sharing	32. Incorporating a variety of assessment tools in a web-based postgraduate course developed for practising engineers	115. Improving report writing for undergraduate students in engineering through an online learning environment				
			6. A new Engineering Management Masters to address the personal, professional & educational needs of engineering graduates to achieve EA chartered status	99. Communication in Engineering Studies - Review & Case Study	77. Evaluation of the Engineers Without Borders Challenge at Western Australian universities <i>Stephanie Cutler, Maura Borrego &amp; Dan Loden</i>			
	12:45-14:00	Lunch - Building 10 UTS						
	13:00 - 14:00	AAEE Annual General Meeting and election of new Executive (All members urged to attend)						
	14:00-15:30	Parallel Paper Sessions			Workshops			
	T3 Session Chair	T3	T3	T3	T3WA <i>Lesley Jolly</i>	T3WB <i>Julia Lamborn, David Dowling &amp; Roger Hadgraft</i>	T3WC <i>Duncan Campbell &amp; David Levy</i>	

		65. Creative RAP assisted pedagogies	122. Innovative assessment & feedback system for Structural Engineering Education	131. A Win-win situation: Benefits of industry-based group projects						
		76. Using one-minute lecture reflection exercise to improve feedback mechanism	14. Evaluating online multiple choice quizzes as formative assessment tools in an engineering fluid mechanics subject	154. Contextual Engineering Education - Industry involvement in Engineering Education						
		103. Promoting student engagement in lectures through a trial use of response clickers	80. Developing a computer assisted assessment program for Civil Engineering courses	153. Evaluating the WIL experiences of Engineering and Built Environment students						
		12. The carrot without the stick: a case study of encouraging post-event student engagement with mobile phone tech.	102. Teacher versus student - centred approaches to online assessment: experiences in a first year engineering subject	112. Evaluating the WIL experiences of Engineering & Built Environment students (Part 2)	Program Evaluation	ALTC Project: Defining your discipline	CDIO workshop 8 CDIO - Australian context			
		117. Student usage of videos containing worked solutions	16. Which version art thou? Configuration management in engineering education	35. Mind the gaps: Engineering Education & Practice						
		120. Design of Public Health Engineering course using multimedia resources for dual mode delivery	7. Development of a customised software patch within the Moodle LMS for use in team-based PBL courses	157. Corporate style team-building activities for undergraduate engineering programmes						
15:30-16:00		Afternoon Tea - Building 10 UTS								
16:00-17:30		Parallel Paper Sessions						Workshops		
T4	T4A	T4B	T4C	T4D	W3WA	W3WB	W3WC			
Session Chair		Anne Gardner			Euan Lindsay	Lydia Kavanagh	R. Hadgraft, C. Reidsema, R. Goldsmith			

		160. Analysis of Twelve Electrical & Electronic Engineering Programs	40. Towards a community of practice concerning the use of adaptive tutorials in engineering mechanics	54. Promoting engineering & science via community based PBL projects	20. What works for whom & in what circumstances: Educational technology & learning contexts			
		114. Impact of running first year & final year electronics lab classes in parallel	149. Developing a learning community to support student learning in an first year Statics course	150. Mathematics in PBL engineering undergraduate education: Challenges & vision for the future	155. Use of facebook to support module delivery for undergraduate engineering programmes			
		123. Threshold concepts & introductory electronics	58. A tool for mechanics learning resource sharing	119. Undergraduate engineering project work	94. Experiences with technology support for engineering education			
		44. Using interactive lecture demonstrations to enhance student learning in electronics	62. Teaching free body diagrams	83. Relationship between self-directed learning readiness factors & learning outcomes in third year project-based engineering design course	93. Use of study guides to improve learning outcomes in engineering fluid mechanics			
		143. Network Engineering for Undergraduates	163. Teaching & learning of Statics & Mechanics of Solids: some problems & solutions	161. Effects of project-based practice on self-efficacy & the pursuit of engineering studies	25. Experiential & reflective learning in Soil Mechanics			
		138. Flight control system design: Learning enhancement through motion based flight simulation	168. Critical conversations: How collaborative learning activities can prepare students for structural engineering practice.	8. Revitalisation of a 2nd level Engineering & Spatial Science PBL Course: Almost there but...				
						Groundhog Day: Vignettes of how to break out of the loop	ALTC Project: Proactively ensuring team success	ALTC Project: Design based curriculum reform in engineering education

## Wednesday 8 December 2010

8:00-15:00	Registration and Enquiry desk open - Building 10 UTS Exhibitions - Building 10 UTS						
8:50-10:00	<b>Plenary W1</b>						
9:00-10:00	<b>Keynote W1</b>	<b>Dr. Pat Bazeley - Going beyond sprinkles and chunks: integrating qualitative with quantitative evidence to support research and development in professional education</b>					
10.00-10.40	<b>AaeE Awards: 2010 Recipients' Presentations &amp; Ex</b>						
10:40-11:00	<b>Morning Tea - Building 10 UTS</b>						
11:00-12:45	<b>Parallel Paper Sessions</b>				<b>Workshops</b>		
<b>W2</b>	<b>W2A</b>	<b>W2B</b>	<b>W2C</b>	<b>W2WA</b>	<b>W2WB</b>	<b>W2WC</b>	
Session Chair			Keith Willey	Matt Eliot & Julianan Kaya Prpic	Dror Ben-Naim, Shaowei Ho, Ganga Prusty	Ed Crawley	

		106. A pathway from school to university - reaching down to build up	15. Encouraging cultural awareness in engineering students	70. From student to teacher: building professional development resources for sessional teaching staff			
		84. Enhancement of university curriculum & secondary school education through utilisation of sustainable engineering & appropriate techn. workshops	145. Using the formal curriculum to build connections & confidence between engineering students from different cultural backgrounds	73. Creating an engineering education community of practice within an institutional setting: a blueprint for action			
		140. What do we really want to know about spatial visualisation skills among engineering students	66. Improved culturally-mixed group project to promote intercultural skills & engagement	139. Creating an engineering education community of practice within an institutional setting: barriers & enablers for success in practice.			
		52. Plagiarism in first-year engineering education: a snapshot of student attitudes & abilities	124. Supporting international students to meet assessment expectations	127. A unique assessment of stress & stress factors on engineering academics in the research & teaching environment.	Making sense of the reflective journal	Adaptive eLearning Community of Practice for Mechanics Courses in Engineering	CDIO workshop 9 Self-evaluation within the CDIO Standards Framework
		1. In search of factors that influence academic success: a comparison between on-campus & distance students	31. The impact of socio-cultural differences in the management of technical error.	67. Providing ongoing just-in-time professional development in engineering education			
		85. Reflections on the past, present and future of Women in Engineering	36. International students' employment outcomes: cause for concern	53. Academic integrity & pastoral care: dealing with unprofessional conduct in engineering students			
		11. Engineering education - preparation for leadership roles for an uncertain future	75. One key to the future: engaging with globally recognised ethical norms	Designing Industry Friendly Engineering Curricula doesn't have to be About Vocational Training!			
	12:45-14:00	Lunch - Building 10 UTS					
	13:00-14:00	Inaugural Meeting of the new AaeE Executive					
	14:00-16:00	Plenary Session					
	14:00-15:00	Plenary W3 Prof. David Boud - UTS: An agenda for improving assessment for learning : where will it lead us?					

	15:00-16:00	<b>Plenary W4 - Best Conference Paper Prize Presentations, CDIO summary, Interactive session on paper categories &amp; reviewing criteria, Conference Closure and Thank you</b>	
	<b>16:00-16:30</b>	Afternoon Tea - Building 10 UTS	