

**ISSCT FACTORY WORKSHOP**  
**Gold Coast, AUSTRALIA**  
**8 to 12 May 2011**  
*“Technologies for profitable cogeneration”*

**PROGRAMME**

Sunday 8 May 2011	
17:00 – 19:00	Registration and Welcome Function
Monday 9 May 2011	
08:00 – 09:00	Registration
09:00 – 10:00	<p><b><u>Opening session</u></b>  Chairman: <i>Rod Steindl, ISSCT Factory Commissioner and Processing Section Chair, Sugar Consulting International, Australia</i></p> <p>Official opening: <i>Ian Causley, Chair of Sugar Research and Development Corporation and Chair of NSW Sugar Milling Co-operative, Australia</i></p> <p><b><u>Overview of the sugar industry in Australia:</u></b> <i>Sharon Denny, Australian Sugar Milling Council, Australia</i></p>
10:00 – 10:30	Morning tea
10:30 – 12:00	<p><b>From project initiation to electricity production</b>  Chairman: <i>Boris Morgenroth, IPRO Industrieprojekt GmbH, Germany</i></p> <p><b><u>Design considerations for a cogeneration plant:</u></b> <i>Rex Farrell, NSW Sugar Milling Co-operative, Australia</i></p> <p><b><u>Implementation issues in the first ten years of a bio-energy project – from idea to operation:</u></b> <i>David Moller, NSW Sugar Milling Co-operative, Australia</i></p> <p><b><u>Cogeneration projects and boiler evaluations in the Colombian sugar industry:</u></b> <i>Adolfo Gomez, Cenicaña, Colombia</i></p> <p><b><u>Cogeneration at Sucrogen Australia:</u></b> <i>Brian Edwards and Paul Trayner, Sucrogen, Australia</i></p>
12:00 – 13:30	Lunch
13:30 – 15:00	<p><b>Maximising cogeneration, minimising steam consumption – system design</b>  Chairman: <i>Morne Bester, Tongaat Hulett Sugar, South Africa</i></p> <p><b><u>Cogeneration from sugar cane:</u></b> <i>David Gent, British Sugar, United Kingdom</i></p> <p><b><u>Integrated sugar complex with minimum energy consumption and maximum cogen:</u></b> <i>DK Goel and S Awasthi, ISGEC John Thompson, India</i></p> <p><b><u>Cogeneration concepts and power export potential:</u></b> <i>Boris Morgenroth, IPRO Industrieprojekt GmbH, Germany</i></p> <p><b><u>Factory energy balances:</u></b> <i>Steffen Kaufmann, BMA, Germany</i></p>
15:00 – 15:30	Afternoon tea

15:30 – 17:00	<p><b>Maximising cogeneration, minimising steam consumption – process technologies</b></p> <p>Chairman: <i>Ross Broadfoot, Queensland University of Technology, Australia</i></p> <p><a href="#">Technologies for profitable cogeneration</a>: <i>Sanjay Awasthi, ISGEC John Thompson, India</i></p> <p><a href="#">Towards improved bagasse dewatering</a>: <i>Floren Plaza, Queensland University of Technology, Australia</i></p> <p><a href="#">Diffusers vs. mills with regard to energy conservation</a>: <i>Hans Cramer, BMA, Germany</i></p> <p><a href="#">Rocky Point Mill process steam control strategy for cogeneration</a>: <i>Bruce Tyson, Rocky Point Sugar Mill, Australia</i></p> <p><a href="#">The application of regenerative feed water heating to power cycles in the sugar industry, where and how much</a>: <i>Morne Bester, Tongaat Hulett Sugar, South Africa</i></p>
Tuesday 10 May 2011	
08:00 – 10:00	<p><b>Supplementing the fuel supply – alternative fuels</b></p> <p>Chairman: <i>Paul Schorn, Tongaat Hulett Sugar, South Africa</i></p> <p><a href="#">High fiber cane impact on sugar and cogeneration plant</a>: <i>Laurent Corcodel, eRcane, Reunion Island</i></p> <p><a href="#">Cane harvest residues: experiences in Colombian sugar industry</a>: <i>Adolfo Gomez, Cenicaña, Colombia</i></p> <p><a href="#">Determining the relative benefits of different leaf collection strategies based on the performance of components in the system</a>: <i>Chris Norris, Norris Energy Crop Technology, Australia</i></p>
10:00 – 10:30	Morning tea
10:30 – 12:00	<p><b>Supplementing the fuel supply – handling trash</b></p> <p>Chairman: <i>Adolfo Gomez, Cenicaña, Colombia</i></p> <p><a href="#">Developing best practice guidelines for particulate emissions from cane cleaning systems</a>: <i>Chris Norris and Joseph Norris, Norris Energy Crop Technology, Australia</i></p> <p><a href="#">An update on work done to investigate the effects of green cane harvesting in the factory</a>: <i>Gavin Smith, Sugar Milling Research Institute, South Africa</i></p> <p><a href="#">The effect of whole crop processing on sugar production and sugar quality</a>: <i>Geoff Kent, Queensland University of Technology, Australia</i></p> <p><a href="#">Development of cane dry cleaning and trash preparation for combustion in Brazil</a>: <i>Paulo Delfini, Cosan S.A., Brazil</i></p>
12:00 – 13:30	Lunch
13:30 – 15:00	<p><b>Boiler technology</b></p> <p>Chairman: <i>DK Goel, ISGEC John Thompson, India</i></p> <p><a href="#">Boiler design considerations for cogeneration</a>: <i>Anthony Mann, Queensland University of Technology, Australia</i></p> <p><a href="#">Advanced controls for a biomass boiler</a>: <i>David Moller, NSW Sugar</i></p>

	<i>Milling Co-operative, Australia</i> <a href="#">BFB boilers for bagasse</a> : Nick Holmes, RCR Energy Systems, Australia
15:00 – 15:30	Afternoon tea
15:30 – 17:00	<b>Water management</b> Chairman: <i>Laurent Corcodel, eRcane, Reunion Island</i> <a href="#">Roadmap for zero water requirement of a modern sugar mill with cogeneration</a> : DK Goel, ISGEC John Thompson, India <a href="#">Isis cogeneration water requirements</a> : Phil Woods, Isis Central Mill, Australia
20:00 – 22:00	Workshop dinner
Wednesday 11 May 2011	
08:00 – 10:00	<b>Case studies</b> Chairman: <i>Rod Steindl, Sugar Consulting International, Australia</i> <a href="#">LLT juice clarifier</a> : Mullapudi Narendranath, The Andhra Sugars, India <a href="#">Flotation clarification of mill juice</a> : Mullapudi Narendranath, The Andhra Sugars, India <a href="#">Determination of options to generate surplus bagasse – two case studies</a> : Ross Broadfoot, Floren Plaza and Geoff Kent, Queensland University of Technology, Australia <a href="#">Reduction of energy consumption in manufacturing</a> : Eduardo Calichman, Cosan S.A., Brazil
10:00 – 10:30	Morning tea
10:30 – 12:00	<b>Closing session</b> Chairman: <i>Geoff Kent, ISSCT Factory Engineering Section Chair, Queensland University of Technology, Australia</i>
12:00 – 13:00	Lunch
13:00 – 14:00	Travel to Condong
14:00 – 16:00	Site visit to Condong Mill
16:00 – 17:00	Return to Crowne Plaza Hotel
Thursday 12 May 2011	
07:45 – 08:00	Board bus at Crowne Plaza Hotel
08:00 – 09:00	Travel to Woongoolba
09:00 – 11:30	Visits to Rocky Point Mill and Rocky Point Green Power
11:30 – 12:00	Travel to Yatala
12:00 – 13:00	Lunch at Carlton Brewhouse
13:00 – 15:00	Site visit to Carlton Brewhouse
15:00 – 16:00	Product sampling at Carlton Brewhouse
16:00 – 17:00	Return to Crowne Plaza Hotel