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**Proceedings  
of the  
Australian  
Society  
of  
Sugar Cane  
Technologists**

2007  
CAIRNS  
29<sup>th</sup> Conference

PROCEEDINGS  
of the  
2007 CONFERENCE  
of the  
Australian Society  
of  
Sugar Cane Technologists

held at  
CAIRNS, QUEENSLAND

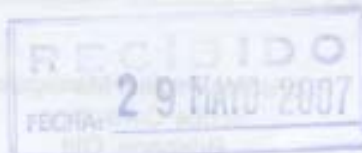
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## **TWENTY-NINTH CONFERENCE CAIRNS, 2007**

### **PROGRAM**

The Official Opening, Annual General Meeting, General Sessions and all Technical Sessions of the Conference and the Industry Equipment Exhibition will be held at the Cairns International Hotel, Abbott Street.

### **TUESDAY, 8 MAY 2007**

Registration at the Cairns International Hotel, Abbott Street from 8.00 a.m.

#### **MORNING SESSION—9.00 a.m.**

Chairman: Mr David Calcino

### **OFFICIAL OPENING OF THE CONFERENCE**

Keynote Speakers

**Professor Robert Birch, Professor of Plant Molecular Biology,  
The University of Queensland**

and

**Professor Lars Nielsen, Professor and Chair of Biological Engineering,  
The University of Queensland**

10.30 a.m.–11.00 a.m.      Morning tea

#### **GENERAL SESSION**

Chairman: Mr C. Norris

Paper: 11.00 a.m.–11.30 a.m.	Aligning the drivers in the value chain—A new cane payment system for Mackay Sugar, by J.S. Pollock, I.M. O'Hara and K.G. Griffin .....	1
Paper: 11.30 a.m.–12.00 noon	Exploring the capabilities of a long lead climate forecasting system for the NSW sugar industry, by Y.L. Everingham, A.J. Clarke, C.C.M. Chen, S. Van Gorder and P. McGuire .....	9
12.00 noon	Official opening of the Industry Equipment Exhibition	
12.30 p.m.–1.30 p.m.	Lunch	

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**GENERAL SESSION**

Chairman: Dr G. Inman-Bamber

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Paper: 2.00 p.m.-2.30 p.m.	The reef water quality protection plan and the role of and implications for Queensland canegrowers, by Tim Wrigley .....	24
Paper: 2.30 p.m.-3.00 p.m.	Exploring the on-line archive resources of both the QSSCT and ASSCT, by W. McWhinney .....	34
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Chairman: Mr C. Norris

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Paper: 4.00 p.m.-4.30 p.m.	Harvester group consolidation: a case study on issues and efficiencies, by Allen Quirk and Robert Quirk .....	50
4.30 p.m.-5.30 p.m.	Presentation of the Sugar Industry Innovator Awards/Research Awards	
6.00 p.m.	Welcome function	

**WEDNESDAY, 9 MAY 2007**

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**AGRICULTURE SESSION**

Chairman: Mr D. Burgess

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Paper: 9.00 a.m.-9.30 a.m.	Researching and implementing farming systems in the NSW sugar industry, by N.J. Ensbe, R.N. Beattie, M.J. North, R.L. Aitken and P.J. McGuire .....	71
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**AGRICULTURE SESSION (Concurrent)**

Chairman: Mr D. Burgess

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Chairman: Mr E. Shannon

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Chairman: Mr L. Cripps

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12.00 noon–12.30 p.m.	Administration AGM	
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**AGRICULTURE SESSION (Concurrent)**

Chairman: Mr D. Burgess

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Chairman: Mr E. Shannon

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AGRICULTURE SESSION (Concurrent)

Chairman: Mr D. Burgess

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Chairman: Mr E. Shannon

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Chairman: Mr L. Santarossa

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Chairman: Mr L. Cripps

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MORNING SESSION–8.00 a.m.

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Chairman: Mr E Shannon

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Chairman: Mr D. Burgess

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**AGRICULTURE SESSION**

Chairman: Mr E. Shannon

10.30 a.m.–11.30 a.m.	Forum: CRC SIIB will conduct a forum to answer audience questions about biotechnology and incorporate a discussion about the views of genetic engineering held by research scientists and the community.	
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**MANUFACTURING SESSION**

Chairman: Mr L. Santarossa

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2.30 p.m.–6.00 p.m.	Manufacturing delegates' industrial visits	
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- Paper: 9.00 a.m.–9.30 a.m. Ripening response of twelve sugarcane cultivars to MODDUS® (trinexapac ethyl), by Graham Kingston and Charissa M. Rixon ..... 328

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- Paper: 8.30 a.m.–9.00 a.m. Harvester automation and precision agriculture trials in Queensland 2006, by M. Esquivel, L. Cabezas, B. Hernández, S. Marrero, F. Fernández, E. Ponce, L. Quintana and L. González ..... 352
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Chairman: Mr E. Shannon

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- Paper: 10.30 a.m.–11.00 a.m. A risk sharing model as a way of delivering productivity gains for the Australian sugar industry, by K. Dorahy, A. Aubert, C. Rixon, B. Davies, P. Armytage, L.P. Di Bella and G. Butler ..... 377

**AGRICULTURE SESSION (Concurrent)**

Chairman: Mr D. Burgess

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