THEIRTHY-SIXTH CONFERENCE
GOLD COAST, 2014

PROGRAM
The Official Opening, Annual General Meeting and all Technical Sessions of the Conference will be held at Jupiters Gold Coast (JGC), Gold Coast Hwy, Broadbeach including the Poster Papers. The Industry Equipment Exhibition will be located within the JGC.

TUESDAY, 29 April 2014

Registration at Jupiters Gold Coast, Gold Coast Hwy, Broadbeach, from 7.30 am

MORNING SESSION – 9.00 am

Chairman: Dr GA Kent

WELCOME AND OFFICIAL OPENING

Councillor Donna Gates
Deputy Mayor, City of Gold Coast

KEYNOTE SPEAKER

Mr Mark Pesce
Honorary Associate, Digital Cultures Program, University of Sydney

9.15–9.30 President’s address
Dr GA Kent

9.30–10.30 Keynote address:
Mr Mark Pesce, Digital Cultures Program, University of Sydney: ‘Sweet sharing: How knowledge sharing is transforming business practice, and has done so for 10 000 years’.

10.30–11.00 Official opening of Industry Equipment Exhibition and morning tea

GENERAL SESSION
Chairman: Dr Michael O’Shea

11.00–11.30 Guest Speaker:
Dr Roslyn Prinsley, National Maths and Science Education and Industry Adviser, Office of the Chief Scientist: ‘Keys to success – STEM skills, collaboration and innovation.’

11.30–12.00 Invited speaker:
Mr Neil Fisher, Chief Executive Officer, Sugar Research Australia: ‘The future strategic direction of SRA.’

Paper 12.00–12.30 Review of productivity trends in the Herbert sugarcane growing region, by AL Garside, LP DiBella, M Sefton, AW Wood .... 1–11

12.30–1.30 Lunch
AFTERNOON SESSION–1.30 pm

GENERAL SESSION
Chairman: Dr Michael O’Shea

Paper 1.30–2.00 Addressing factory needs in cane variety selection, by GA Kent, R Parfitt, A Jensen ................................................................. 12–22
Paper 2.00–2.30 Adoption of the web-based sugarcane variety decision support program, QCANESelect™, by G Plunkett, R Fletcher, BJ Croft, G Piperidis, MC Cox .......................................................... 23–30
Paper 2.30–3.00 Using industry data to improve productivity through better variety recommendations, by MC Cox, X Wei, JK Stringer, BJ Croft, L Di Bella, G Lerch ...................................................... 31–43
Poster 3.00–3.05 What caused the high fibre cane? by LJ Watson ...................... 44
3.00–3.30 Afternoon tea
3.05–3.15 IEE presentation 1
3.15–3.25 IEE presentation 2

AGRICULTURE SESSION
Chairman: Peter McGuire

Paper 3.30–4.00 Effects of the application of mill mud/mud ash on soil properties and available soil nitrogen and phosphorus, by P Moody, B Schroeder, G Pu, J Panitz.............................................................. 45–52
Paper 4.00–4.30 Identifying climate variables having the greatest influence on sugarcane yields in the Tully mill area, by DM Skocaj, YL Everingham ................................................................. 53–61
Poster 5.00–5.05 Simulating sugarcane yield response to increased CO₂ concentrations, by Y Everingham, J Sexton, G Inman-Bamber, C Stokes ................................................................. 71

MANUFACTURING SESSION
Chairman: Bruce Tyson

Paper 3.30–4.00 A review of training in cane sugar technology, by GRE Lionnet, JP Mathiot ................................................................. 280–287
Paper 4.00–4.30 Review and future options for computer modelling in the sugar industry, by F Plaza, GA Kent, DW Rackemann, DW Stephens ................................................................. 288–297
Paper 4.30–5.00 Application of national WHS legislation in relation to the design, inspection and maintenance of pressure equipment, by T O’Sullivan ................................................................. 298–308
Poster 5.00–5.05 Chemical characterisation of sugar mill by-products, by Z Ostatek-Boczynski, E Keeffe, L Donnan, M O’Shea, P Joyce 309

5.00–6.00 Happy hour with the IEE
WEDNESDAY, 30 APRIL 2014

MORNING SESSION–8.00 am

AGRICULTURE SESSION
Chairman: Dr Anthony Young

Paper 8.00–8.30 Selecting sugarcane varieties with higher transpiration efficiency, by P Jackson, J Basnayake, G Inman-Bamber, P Lakshmanan ................................................................. 72–81

Paper 8.30–9.00 Detailed trait characterisation is needed for simulation of cultivar responses to water stress, by J Sexton, NG Inman-Bamber, Y Everingham, J Basnayake, P Lakshmanan, P Jackson ................................................................. 82–92

Paper 9.00–9.30 Validating water use and yield estimates derived from remote sensing and crop modelling for irrigated sugarcane in Mpumalanga, South Africa, by A Singels, C Jarmain, E Bastidas-Obando, FC Oliver, AL Paraskevopoulos ......................... 93–102

Poster 9.30–9.35 The effect of delayed sugarcane planting due to fallow cropping in the Burdekin, by B Salter, M Hanks, S Bateman ................. 103

AGRICULTURE SESSION (Concurrent)
Chairman: Peter McGuire

Posters 9.00–9.30 Weed competition trial – NSW, by P McGuire ......................... 104
Screening herbicide combinations for effective sour grass management in the wet tropics cane growing region, by A Benson, G Holzberger, L Di Bella ........................................ 105
Screening herbicide combinations for effective Navua sedge management in the Herbert cane growing region, by A Benson, G Holzberger, L Di Bella ........................................ 106
Spot spraying to manage perennial grass species (guinea grass and para grass) without diuron in ratoon sugarcane crops, by A Benson, G Holzberger, L Di Bella ........................................ 107
Dual herbicide spray application technology in sugar cane, by A Blair, J Robertson ................................................................. 108
Microwave method for the determination of nitric acid extractable potassium in sugarcane soils, by Peimaneh Lee-Steere, Zofia Ostatek-Boczynski, Priya Joyce ......................... 109

MANUFACTURING SESSION
Chairman: Kent Selby

Paper 8.00–8.30 Development of a steady-state multiple effect evaporator model and practical application in sugar mills, by B Burke ................. 310–319

Paper 8.30–9.00 Experiences with control of evaporators using extensive vapour bleeding, by B Burke, B Tyson, R Broadfoot ......................... 320–330

Paper 9.00–9.30 Capital cost model for Robert evaporators, by OP Thaval, R Broadfoot ................................................................. 331–342

Poster 9.30–9.35 Experimental investigations with single tube evaporator rig, by OP Thaval, R Broadfoot ................................................................. 343
MANUFACTURING SESSION (Concurrent)
Chairman: Peter Bressow

Paper  8.00–8.30  Energy model for diesel hydraulic cane haul locomotives, by R Situ, S Grech, LG Santarossa .......................................................... 344–358
Posters 8.30–8.40  Fan performance test chambers, by C Burgess .................. 359
                      Material selection for boiler ID fans after wet scrubbers, by C Burgess .......................................................... 360

9.35–10.05  Section AGMs
10.00–10.30  Morning tea
10.05–10.15  IEE presentation 3
10.15–10.25  IEE presentation 4

AGRICULTURE SESSION
Chairman: Richard Beattie

Paper  10.30–11.00  Effects of urea formulation on sugarcane yield, nitrogen uptake and nitrous oxide emission in tropical Queensland, by WJ Wang, B Salter, SH Reeves, G Park, M Zahmel, MA Heenan 110–120
Paper  11.00–11.30  An assessment of controlled release fertilisers in the Australian sugar industry, by L Di Bella, S Stacey, P Moody, A Benson, J Dowie, R Sluggett ................................................. 121–131
Paper  11.30–12.00  Defining appropriate nitrogen rates in low yielding locations with inherent waterlogging issues in the central cane growing region, by J Markley, J Hughes ................................. 132–141
Poster 12.00–12.05  Effective use of lower mill mud rates in the nutrition program, by J Agnew, J Fox, J Simpson, M Zamparutti ......................... 142

MANUFACTURING SESSION
Chairman: Neil Sichter

Paper  10.30–11.00  Management of a high grade pan stage schedule to reduce the steam consumption, by R Broadfoot, AP Mann ...................... 361–372
Paper  11.00–11.30  Performance evaluation of a fixed element crystalliser, by J Wallace, RM Stobie .......................................................... 373–383
Paper  11.30–12.00  Design considerations of platforms for trapezoidal frame pendulum style fugals, by DJ Henkel, MT Makola, WB McDaniel .......................................................... 384–393
Poster 12.00–12.05  Factory evaluation trial of the technopulp vacuum belt press filter under Australian conditions, by J Gilberd, D Sockhill ... 394

MANUFACTURING SESSION (Concurrent)
Chairman: Clyde Garson

Paper  10.30–11.00  Typical cane rail duty requirements for Willison couplings fitted to 'big bins', by J Thomas, LG Santarossa, S Anderson .......... 395–410
Proceedings of the Australian Society of Sugar Cane Technologists

Paper 11.00–11.30 Practical determination of cane wagon derailment forces for the Australian sugar industry, by LG Santarossa, GA Kent .......... 411–421

Paper 11.30–12.00 Summarising and reporting sugarcane locomotive run statistics from TOTools and GPS data, by AR Kono, GA Kent, T Sahama ........................................................................................................ 422–436

12.00–1.00 Lunch

12.30–12.40 IEE presentation 5
12.40–12.50 IEE presentation 6

AFTERNOON SESSION–1.00 pm

AGRICULTURE SESSION
Chairman: Peter McGuire

Paper 1.00–1.30 The impact of soil type and incorporation when using Flame® for nutgrass management, by E Fillols ................................. 143–155

Paper 1.30–2.00 The impact and management of feral pigs in the Herbert cane growing region of North Queensland, by L Di Bella, S Fuller, R Stallan, M Buchman, D Bacchiella ......................................... 156–164

Poster 2.00–2.05 Impact of high potassium fertiliser on plant cane emergence, by P Pittaway, A Melland, G Gellato, J Dowie, G Shannon, L DiBella, D Antille .............................................................. 165

AGRICULTURE SESSION (Concurrent)
Chairman: Neil Halpin

Paper 1.00–1.30 Development of methods for screening sugarcane and Erianthus germplasm for resistance to plant-parasitic nematodes, by SA Bhuiyan, BJ Croft, G Stirling, LM Meagher, E Wong .......... 166–176

Posters 1.30–2.00 The effect of changing from a monoclonal to a multi-clone farming system, by G Park .......................................................... 177

Cytogenetics: adding value to sugarcane breeding, by N Piperidis, K Aitken, G Piperidis ................................................................. 178

The use of introgression breeding to enhance the genetic potential of sugarcane germplasm in South Africa, by T Horsley, M Zhou .............................................................. 179

The importance of disease surveys for understanding quarantine pathogens, by KS Braithwaite, LS Kuniata, RC Magarey ...... 180

Improving the germination of long hot water treated sugarcane with a 10-minute pre-treatment, by A Cattle, M Grogan, R Parfitt ................................................................................. 181

Relationships among leaf area index, total dry matter and sugarcane yield in western Kenya, by G Omoto, EO Auma, R Opile, J Jamoza ............................................................................. 182
PROCEEDINGS OF THE AUSTRALIAN SOCIETY OF SUGAR CANE TECHNOLoGISTS

MANUFACTURING SESSION
Chairman: Regan Sawatzke

Paper 1.00–1.30 Racecourse cogeneration project, by J Hodgson, D Sievers, TJ Doolan ................................................................. 437–443
Paper 1.30–2.00 Cogeneration efficiency project at Marian Mill, by T Lloyd, J Hodgson ................................................................. 444–453
Poster 2.00–2.05 Lifting the mist on energy efficiency in sugar factories, by P Benecke, B Lavarack, J Lowry, K Griffin, P Stuart, J Hodgson ................................................................. 454

3.00–3.30 Afternoon tea
3.05–3.15 IEE presentation 7
3.15–3.25 IEE presentation 8

AGRICULTURE SESSION
Chairman: Dr Andrew Ward

Paper 3.30–4.00 In search of varietal resistance to sugarcane moth borers in Indonesia, by N Sallam, E Achadian, L Putra, T Dianpratiwi, A Kristini, D Donald, R Magarey ............................................ 183–187
Paper 4.00–4.30 Fungicide Sinker® controls pineapple sett rot and smut – killing two birds with one stone? by SA Bhuiyan, BJ Croft, GR Tucker ................................................................. 188–195
Poster 5.00–5.05 Does imidacloprid boost sugarcane yields in the absence of canegrubs? by GR Tucker, KJ Chandler, JK Stringer, L Derby, A Eaton, J Jennings ...................................................... 204

AGRICULTURE SESSION (Concurrent)
Chairman: Neil Halpin

Paper 4.00–4.30 Using rapid analytical methods to quantify nutrients in sugarcane leaf tissue, by EC Keeffe, ZA Ostatek-Boczynski, LJ Donnan, MG O’Shea ................................................................. 220–228
Poster 5.00–5.05 Use of a HACCP-like framework for sugarcane production, by A Garcia, TA Jensen, C Baillie ...................................................... 236

MANUFACTURING SESSION
Chairman: Brendon Slattery

Paper 3.30–4.00 Repair cracked steam drum Pioneer boiler 2, by LS Franklin, GJ Masotti ................................................................. 455–465
Paper 4.00–4.30 Accelerated restoration of primary boiler following major critical failure, by P Malan ................................................................. 466–474
Proceedings of the Australian Society of Sugar Cane Technologists

Paper 4.30–5.00 Improving boiler performance with modified boiler control systems, by AP Mann .......................................................... 475–484
Poster 5.00–5.05 Clyde – 100 series tubular dust collector inspection, by C Panos 485

6.00–10.30 Conference dinner

THURSDAY, 1 MAY 2014

MORNING SESSION–8.00 am

AGRICULTURE SESSION
Chairman: Dr Mike Cox

Paper 8.30–9.00 Flowering-related genes are not involved in the development of smut whip, by D Glassop, G Bonnett, B Croft, S Bhuiyan, K Aitken, A Rae .......................................................... 244–253
Paper 9.00–9.30 Use of oospores as inoculum for early-stage resistance screening for downy mildew and pachymetra root rot, by RC Magarey, JI Bull, F Atkin, V Dunne, R Pendrigh, K Sventek, L Tom .... 254–262
Poster 9.30–9.35 suSCon maxi protected young plant cane from large Childers canegrubs present at planting, by K Chandler, B Allen ........... 263

MANUFACTURING SESSION
Chairman: Terry Drury

Paper 8.00–8.30 Continuous improvement: a working example applied to fuel management at Harwood mill, by S Hollis, P Coram .......... 486–492
Paper 8.30–9.00 Development of an alternate bagasse reclamer chain, by WS Seri, PF Britton, LG Santarossa ........................................ 493–505
Paper 9.00–9.30 Bagasse dryer design using multi-scale compartment models, by J May, M Sheehan, O Ajayi, T Hickey ............................... 506–515
Poster 9.30–9.35 Implementing NIR spectroscopic systems for determining the nutrient content of mill by-products: validation trials, by EC Keeffe, ZA Ostatek-Boczynski, LJ Donnan, MG O’Shea ...... 516

9.30–10.00 Morning tea
9.35–9.45 IEE presentation 9
9.45–9.55 IEE presentation 10

AGRICULTURE SESSION
Chairman: Dr Peter Samson

Paper 10.00–10.30 Comparison of methods to assess suckering in the SRA northern variety improvement program, by A Bryan, F Atkin, J Stringer, X Wei .................................................. 264–270
Paper 10.30–11.00 SRA plant breeding program – annual benchmarks, by MC Cox, FC Aitkin, X Wei, G Piperidis, RJ Parfitt, BJ Croft, JK Stringer .......................................................... 271–279
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td>10.00-10.30</td>
<td>Paper</td>
<td>Milling innovations at Rocky Point, by TJ Drury, OP Thaval, GA Kent</td>
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<td>10.30-11.00</td>
<td>Paper</td>
<td>Spent caustic recycle at Farleigh mill, by R Lavarack, B Stevenson, S Schneider, B Bampton</td>
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<td>11.00-11.30</td>
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<td>Closing Ceremony</td>
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<td>11.30-12.00</td>
<td>Lunch</td>
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<td>12.00-4.00</td>
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<td>Manufacturing and Agriculture field tours</td>
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