



SASTA NEWS

Newsletter of the SA Sugar Technologists' Association

July 2007

SASTA contact details: sasta@sugar.org.za Telephone: 031 508 7543 Fax: 031 508 7420 Website: www.sasta.co.za

Dear SASTA members

This "Extraordinary" newsletter serves to notify you of:

- The 2007 AGM (note venue change from the notice printed in the April newsletter)
- The proposed Amendments to the SASTA Constitution to be handled at the AGM on 14 September 2007
- The programme for the SASTA Workshop on "Quality in the Sugar Industry" to be held on 13th and 14th September 2007. Note the venue change to One-on-One Conference Centre, Gateway. Apply now if you wish to attend this workshop!
- CPD credits for Professional Engineers – what SASTA is doing for you, please reply if you are a registered (with ECSA) engineer.
- ISSCT 2007 Programme and registration contact details for any last minute takers.

ANNUAL GENERAL MEETING OF THE SA SUGAR TECHNOLOGISTS' ASSOCIATION

TO BE HELD ON 14 SEPTEMBER 2007

(on the afternoon of Day 2 of the SASTA Workshop on "Quality in the Sugar Industry")

VENUE: One-on-One Conference Centre, Gateway Shopping Complex, Umhlanga Ridge

(Gateway open Parking E is the closest to the venue)

13:10-13:40: The eighty-second annual review of the milling season in Southern Africa (2006-2007)
by SB Davis

13:40-14:30: AGM

AGENDA

1. Apologies
2. Minutes of AGM of 19 July 2006
3. Matters arising from the minutes
4. President's report
5. Membership
6. Financial Statement
7. Election of auditors
8. Result of ballot for Council members 2007/2008
9. Amendments to Constitution
10. Presentation of awards:
Congress 2006 awards (Kynoch, Cecil Renaud, Talbot-Crosbie, Robin Renton PGBI, poster and student awards) and Innovation Awards 2007
11. General

14:30-16:00: Tea and cash bar in foyer and Balcony areas of One-on-One, Gateway



Proposed Amendments to SASTA Constitution for 14 September 2007 AGM

Old wording	Proposed wording	Reason/Motivation
6.4.2 Corporate Member benefits will include provision for a single membership addressed to the appropriate Chief Executive Officer of the organisation, and all members of the organisation will be eligible to attend the annual congress at member rates.	6.4.2 Corporate Member benefits will include provision for a single membership addressed to the appropriate Chief Executive Officer of the organisation, and any four members of the organisation will be eligible to attend the annual congress and other functions at member rates.	To restrict the numbers that Corporate membership covers at member rates, but allowing the lenience of them sending different people to different events.
6.7 Co-opted persons Persons, not members of the Association, who have been co-opted as members of technical Sub-Committees shall be considered as Associate members during the year in which they are acting on such Sub-Committees, but shall be exempt from payment of annual subscriptions. They shall, however, be entitled to receive a complimentary copy of that year's Congress proceedings.	6.7 Co-opted persons Persons, not members of the Association, who have been co-opted as members of technical Sub-Committees shall be considered as Associate members during the year in which they are acting on such Sub-Committees, but shall be exempt from payment of annual subscriptions.	Congress Proceedings are no longer distributed to each member, but rather to each Congress delegate. Non-Congress delegates may purchase the Proceedings if they wish.
8.1 A financial and secretarial service shall be administered by the SASA Experiment Station ("the Secretariat") to meet the requirements of the Association.	8.1 A financial and secretarial service shall be administered by the SA Sugarcane Research Institute ("the Secretariat") to meet the requirements of the Association.	Updating name change of the Institute
8.2 The fee to be charged shall be determined annually following consultation between the Officers of the Association and the Director of the Experiment Station.	8.2 The fee to be charged shall be determined annually following consultation between the Officers of the Association and the Director of the SA Sugarcane Research Institute.	Updating name change of the Institute
11.3 Official Signatories Until otherwise decided by the SASTA Council, all cheques drawn on the Association's Bank Account, shall be signed by two persons those being any two of the following; The President, or the Vice President, the Director or Assistant Director or Financial Manager, or the Scientific Liaison Officer of the SASA Experiment Station. For the purpose of deposit to the credit of the Association's account the endorsement of the Director or Assistant Director or Financial Manager or Scientific Liaison Officer of the SASA Experiment Station shall be sufficient on all cheques, drafts and the like.	11.3 Official Signatories Until otherwise decided by the SASTA Council, all cheques drawn on the Association's Bank Account, shall be signed by any two of the persons appointed by Council as signatories.	With the introduction of the new FICA legislation, particular people (with ID documents and proof of residence recorded with the bank) must be signatories, not any person by virtue of their job title or position.
12.1 Auditors shall be appointed at the Annual General Meeting, and their remuneration for the previous year's audit shall be fixed by the Annual General Meeting.	12.1 Auditors shall be appointed at the Annual General Meeting,	It is impractical to fix a remuneration for an invoice that has already been paid.
13.2.1 The Annual General Meeting shall be held in the month of the Congress in each year as the SASTA Council may decide.	13.2.1 The Annual General Meeting shall be held in the month of the Congress in each year as the SASTA Council may decide. In the event of no Congress being held in any year, Council may decide on a suitable date for the Annual General meeting.	To allow for situations similar to 2007 when no Congress will be held.



CPD credits for Professional Engineers

Some SASTA members have approached SASTA to apply for accreditation with ECSA for the SASTA workshops and Congresses, so that registered Professional Engineers can use attendance and involvement at SASTA events as credits towards their Continuous Professional Development requirements as set out by the Engineering Council of South Africa (ECSA).

SASTA has recently submitted two applications: one for the Workshop on "Quality in the Sugar Industry" and one for the "Annual Congress 2008".

SASTA, having begun the process of application for accreditation by ECSA, needs feedback from SASTA members who are registered as Professional Engineers (or Technologists/Technicians/EITs) in order to gauge the need for accreditation for each future event and in order to prepare to manufacture the necessary attendance certificates. Please send an email to sasta@sugar.org.za or a fax to +27 (0)31 5087420 to let us know the following:

1. Your Name: _____
2. Your email address: _____
3. Your ID number: _____
4. Your Professional Registration Number with ECSA: _____
5. Your official category of registration (Engineer/ Eng in Training/ Technician/ Technologist/etc: _____
6. To which Voluntary Association branch of Engineering do you belong? (Chemical, Mechanical, Electrical, Agricultural, Other) _____
7. Would you like all SASTA Congresses to be accredited with ECSA? (Yes/No) _____
8. Would you like all SASTA workshops to be accredited with ECSA? (Yes/No) _____
9. Any other information or questions: _____

Draft Programme: Quality in the Sugar Industry Workshop - 13 and 14 September 2007

Venue: One-on-One Gateway Conference Centre - Open parkade E is closest parking area

Cost: SASTA Members: R600 Non-members: R750 (Charge includes teas, lunches and a hard copy of the presenters' slides)

To reserve a place and receive an invoice, email sasta@sugar.org.za or telephone 031-5087543 with your name, tel number, email address, and VAT reg no (if applicable)

TIME	Session / Talk topic	Speaker / Chair	Job Title
Thursday 13 September 2007			
08:00-09:00	REGISTRATION and TEA COFFEE in Foyer of One-on-One Gateway		
Session 1	Opening and Problem Statement	Steve Davis	Head of the Processing Division , SMRI
09:00-09:15	Introduction and welcome	Martin Mohale	Vice Chair-SASA
09:15-09:45	Current status of export sugar quality in South Africa	Jon Norton	Export Trading Manager, SASA
09:45-10:05	Sugar quality - the Millers' perspective	Graham Mann	General Manager Refined Sugar Production, Illovo Sugar Limited
10:05-10:15		Questions	
10:15-10:35	TEA		
Session 2	Understanding the specifics of quality	Janice Dewar	Director, SMRI
10:35-10:55	Colour in the factory	Steve Davis	Head of the Processing Division, SMRI
10:55-11:15	Milling characteristics of newly released varieties	Roy Parfitt	Senior Plant Breeder, SASRI
11:15-11:35	Dextran & Starch	Stephen Walford	Acting Head of Chemical Division, SMRI
11:35-11:55	Filterability	Richard Simpson	Head of Analytical Services, SMRI
11:55-12:25		Discussion	
12:25-13:15	LUNCH		
Session 3	Making quality sugar	Paul Schorn	Technology and Engineering Group leader, Tongaat-Hulett Sugar Ltd
13:15-13:35	What has changed?	Stan Munsamy	Operations Manager, Sezela Agriculture, Sugar and Downstream Products, Illovo Sugar Ltd
13:35-13:55	What do we look for in cane supplied?	Brian Rapson	Cane Procurement Manager, Pongola Mill, Illovo Sugar Ltd
13:55-14:15	Managing the raw house to optimise sugar quality	Lal Bachan	Operations Manager, Umzimkulu Agriculture and Sugar, Illovo Sugar Limited
14:15-14:45		Discussion	
14:45-15:15	TEA		
Session 4	Understanding cane deterioration	Stuart Rutherford	Senior Pathologist and Project Manager: Crop Protection, SASRI
15:15-15:35	Post-harvest deterioration	Derek Watt	Senior Research Officer and Project Manager: Variety Improvement Programme, SASRI
15:35-15:55	Factors affecting burn to crush delay	Peter Lyne	Principal Engineer, SASRI
15:55-16:15	Benchmarking burn to crush delay in the SA and Swaziland industries	Ryan Giles	Logistics and Benchmarking Consultant, Crickmay & Ass (Pty) Ltd
16:15-16:45		Discussion	
Friday 14 September 2007			
08:00-08:30	TEA COFFEE in Foyer of One-on-One Gateway		
Session 5	Managing cane quality	Roger Armitage	Deputy Director Economic Services, Canegrowers
08:30-08:50	Managing cane production and harvesting to optimise cane quality	Tim Murray	Chairman, Canegrowers
08:50-09:10	Trashing to improve sugar quality and financial benefit of trashing on farm costs	Dirk McElligott	Extension Officer, SASRI
09:10-09:30	South African experience of chopper harvesting	Andrew Russell	Chairman: Umfolozi Local Grower Council
09:30-09:50	Nchalo's successes in reducing burn to crush delay	Keith Domleo	Agricultural Development Manager, Illovo Sugar - Nchalo
09:50-10:10		Discussion	
10:10-10:45	TEA		
Session 6	Solutions to the problem	Adey Wynne	Director Industrial Affairs, Canegrowers
10:45-11:05	The role of the MGB	Rob Taylor	Chairman: Darnall Mill Group Board
11:05-11:25	Solutions to the problem	Dave Meadows	Exec Director - Technology Management, THS Ltd.
11:25-12:05		Discussion & Summary	
12:05-13:10	LUNCH		
13:00 for 13:10	NON-WORKSHOP DELEGATES ARRIVE FOR AGM		
SASTA AGM and Annual Review			
13:10-13:40	Annual Review of the milling season	Steve Davis	Head of Processing Division, SMRI
13:40-14:30	SASTA AGM		
14:30-16:00	TEA and CASH BAR in Foyer and Balcony areas of One-on-One Gateway		

Tuesday 31 July																	
8.30	AE16	R.N.S. Yadav	Mechanization of sugarcane production in India	BB27	D. Biesessur, C. Ramnawaz, K. Ramdoyal	Comparisons of sugarcane yields in trials and in commercial fields	CO1	A.F. Lau, K.T.K.F. Kong Win Chang, D. Gunness	Additional exportable energy from bagasse	FE15	L.F. Echeverri, P.W. Rein, S. Acharya	Measurements and CFD simulation of the flow in vacuum pans	MA2	A.T. Wynne, B.J. Milford	Miller/grower relations at the local mill group board level in South Africa: An empirical investigation	8.30	
9.00	AE7	H. Vincent Paul, M. Krishnamurthi	Sugarcane trash collection at the small farms in southern India	BB4	M.C. Cox, J.K. Stringer	Benchmarking genetic gains from new cultivars in Queensland using productivity data	CO2	E.E. Silva Lora, M. Zamperli, O.J. Venturini, J.J. Santos	A sugar mill cogeneration plant repowering alternatives: evaluation through the combination of thermodynamic and economic concepts	FE9	G.R.E. Lionnet, M.M. Mavuso, N. Oosthuizen, P.F. Nieuwoudt, D. Searl	The detection of sugar traces in the Tongaat Hulett refinery condensates by NIR spectroscopy	MA16	A. Cartwright, R. Perkins, C. Von Der Heyden	Sugarcane cultivation on ecologically sensitive sites in southern Africa: Profitability and conservation issues	9.00	
9.30	AE9	O. Nunez, E. Spaans	Evaluation of green-cane harvesting and crop management with a trash-blanket	BB16	H. Rangel, C. Moreno, A. Amaya, C. Viveros, J. Victoria	Multivariate analysis to characterize CENICANA's parental collection	CO16	M. Inkson, B. Misplon	Co-generation thermodynamics revisited	FE23	D. Gunness, K.T.K.F. Kong Win Chang, A.F. Lau	Cleaner production assessment in a sugar factory	MA5	L.D. Mamet	Catalysts for change and engines of growth for the modern sugar industry	9.30	
10.00	AE2	C. Norris, J.C. Miranda, R. Guillen, E. Jacquin, C. Richard, P. Lyne, J. Scandalaris	Agricultural Engineering Section Meeting. Productivity improvement under green cane harvesting conditions	BB30	N. Berding	Breeding Section Meeting.	CO7	P.A. Hobson	An overview of bagasse gasification R&D activities at Sugar Research and Innovation	FE25	G. Kent, J. Lewinski	Factory Engineering Section Meeting. Milling and diffusion extraction - theory and practice	MA14	G.F. Fleming, J.A. Crane, J.A. Markley	Cooperative systems in practice: Implementation of value chain management strategies in the Mackay sugar industry	10.00	
10.30	Coffee Break													10.30			
11.00			Agriculture Posters	BP1	P. Rott, T.E. Mirkov, S. Schenck, J.-C. Girard	Recent advances in research on <i>Sugarcane yellow leaf virus</i> , the causal agent of sugarcane yellow leaf	BE5	D.E. Conlong, B. Kasl, M. Byrne	Independent kids - or motherly Moms? Implications for integrated pest management of <i>Eldana saccharina</i> Walker (Lepidoptera: Pyralidae)	FP5	G. Eggleston, R. Viator, M. Grisham	Glyphosate ripener effects on the processing quality of different sugarcane tissues	MA1	E.S. Wallis, P.G. Allsopp, R.F. Gilmour	Managing research: Lessons from Australia	11.00	
11.30			Agriculture Posters	BP5	C. Edon-Jock, P. Rott, J. Vaillant, E. Fernandez, J.-C. Girard, J.-H. Daugrois	Status of <i>Sugarcane yellow leaf virus</i> in commercial fields and risk assessment in Guadeloupe	BE9	A.S. Patil, S.B. Magar, V.D. Shinde	Biological control of the sugarcane woolly aphid (<i>Ceratovacuna lanigera</i>) in Indian sugarcane through the release of predators	FP17	L. Corcoral, T. Mullet	Aconitic acid ratio as a post-harvest whole-stalk green sugarcane age indicator	MA9	J. Dewar, S.B. Davis	Development of a new research strategy for the SMRI	11.30	
12.00			Agriculture Posters	BP11	J.C. Comstock, B.J. Croft, G.G. Rao, S. Saumtally, J.I. Victoria	Pathology Section Meeting. A review of the 2006 International Society of Sugar Cane Technologists' Pathology Workshop	BE12	W.H. White, S. Ganeshan, F. R. Goebel, J.A. Salazar, P.R. Samson	Entomology Section Meeting. Advances and challenges in sugarcane pest management: A review of the 2006 Entomology workshop	FP13	S. Solomon, A.K. Shrivastava, P. Singh, I. Singh, A. Sawhani, C.P. Prajapati. Presented by V.M. Kulkarni	An assessment of postharvest sucrose losses in sugarcane billets under sub-tropical conditions	MA3	A.T. Wynne	Cane quality payment incentives to optimize the production of sugar, ethanol and cogeneration	12.00	
12.30	Lunch													12.30			
14.00	PL23	P.W. Rein	Prospects for the conversion of a sugar mill into a biorefinery													14.00	
14.30	PL21	M.R.L.V. Leal	The potential of sugarcane as an energy source													14.30	
15.00	PL22	F.C. Botha	Precision breeding to improve the usefulness of sugarcane													15.00	
15.30	Coffee Break													15.30			
16.00	AG15	A. Singels	A new approach to implementing computer-based decision support for sugarcane farmers and extension staff: the case of <i>My. Canesim</i>	BE1	A.R.S. Mutambara-Mabveni	<i>Eldana saccharina</i> Walker (Lepidoptera: Pyralidae) in sugarcane: Impact and implications for the Zimbabwe sugar industry	CO6	P.A. Hobson, J.A. Joyce	Simulation and design of a bagasse gasifier					MA7	V. Bhardwaj, E.Y. Alloo, I.Y. Alloo	Setting up of a greenfield sugar project in Africa: A practical approach	16.00
16.30	AG25	T. Viremouneix, L. Guiard, M. Dabas, B. Tsogozamba	Electrical resistivity measurements for fast and precise large scale characterization of the agricultural land of Cameroon Sugar Society (SOSUCAM)	BE4	M.J. Way, F-R. Goebel	Monitoring <i>Eldana Saccharina</i> and other arthropod pests in South African sugarcane		Co-products and Factory posters			Co-products and Factory posters			MA15	B.J. Milford, P.G. Allsopp, C. Adriaansen	Managing an incursion of sugarcane smut in eastern Australia	16.30
17.00	AG57	C.H. Isaacs, J.A. Carbonell, A. Amaya, J.S. Torres, J.I. Victoria, R. Quintero, A.E. Palma, J.H. Cock	Site specific agriculture and productivity in the Colombian sugar industry	BE10	F-R. Goebel, M.J. Way	Crop losses due to two sugarcane stem borers in Reunion and South Africa		Co-products and Factory posters			Co-products and Factory posters			MA20	P.J. Thorburn, A.A. Archer, P.A. Hobson, A.J. Higgins, G.R. Sandell, D.B. Prestwidge, G. Antony	Evaluating regional net benefits of whole crop harvesting to maximise co-generation	17.00

Wednesday 1 August																
8.30	AG42	T. Klomsaard, C. Prasantree, S. Jomsri, A. Tengloi, P. Prammanee, P. Weerathaworn	Dual row planting - a system to increase Thai farmers cane yield and economic returns	BB2	M.A. Silva, R.A.B. Soares, M.G.A. Landell, M.P. Campana	Agronomic performance of sugarcane families in response to water stress	CO4	R. Mungaroo, K.T.K.F. Kong Win Chang, A.S. Sauntally, J.F.Y. Moutia, M.H.R. Khoo, G. Triton	Conversion of cane-derived sugars into poly (3-hydroxyalkanoates) (bioplastics)	FE5	B.St.C. Moor	Fibre extracted with juice from mills - an omission in milling theory	MA19	S. King, C. von Pannier	Introduction of Laboratory Information Systems as an aid to managing factory processes	8.30
9.00	AG18	F.M. Ismael, S. Seeruttun, C. Barbe, A. Gaungoo	Improving cane productivity with dual row planting in Mauritius	BB28	M.K. Butterfield, M.G. Keeping, C. Sewpersad	Estimating genetic parameters and the efficacy of molecular breeding for resistance to the stalk borer <i>Eldana saccharina</i>	CO31	J.L. Oliverio, S.T. Barreira, S.C.P. Rangel	Integrated biodiesel production in Barralcoo sugar and alcohol mill	FE14	B.B. Nikam, S.B. Nikam. Presented by V.M Kulkarni	Unique two-roller mill combination - the CMR mill			Management Posters	9.00
9.30	AG29	Yang-Rui Li, Qiu-Zhen Zhu, Wei-Zhan Wang, Sushil Solomon	The effect of a novel system of vinasse application on sugarcane growth and yield in China	BB29	N. Berding, R.S. Pendrigh, V. Dunne	Can flowering in sugarcane be optimized by use of differential declinations for the initiation and development phases?	CO27	A.G. Moura	Applying consistent technology for fuel ethanol production	FE20	G.A. Kent, C.A. Zapatero	An economical means of improving the juice extraction performance of four-roll mills			ISBUC	9.30
10.00	AG60	A.A. Casagrande, P.R.S. Buzoin, M.A. Mutton, M.J.R. Mutton, M.S. Campos	Effects of trash, vinasse and nitrogen application on ratoon sugarcane	BB19	M. Krishnamurthi, K.S. Sundaram, S. Sekar, S. Rajeswari, M. Sathiyarayanan	Introgression of <i>Erianthus</i> for the development of commercial sugarcane cultivars	CO29	M.O.S. Dias, R.M. Filho, C.E.V. Rossell	Efficient cooling of fermentation vats in ethanol production - Part 1	FE19	A.L. Gomez, C.F. Canon, L.F. Rosero	Torque signatures in crushing mills			ISBUC	10.00
10.30		Coffee Break														10.30
11.00	AE8	P.Y. Le Gal, C.N. Bezuidenhout, P.W.L. Lyne	Mill-scale supply chain and logistics model integration for improved decision support	BM1	F.S. Papini-Terzi, J.M. Felix, F.R. Rocha, A.J. Wacławowski, E.C. Ulian, S.M. Chabregas, M.C. Falco, M.Y. Nishiyama-Jr, R.Z.N. Vencio, R. Vicentini, M. Menossi. G.M. Souza	The SUCEST-FUN project: Identifying genes that regulate sucrose content in sugarcane plants	CO11	M.A. Otero Rambla, G.S. Laria, J.A.M. Valdivielso, O.A. Almazan del Olmo	Fodder yeast production: A new approach for distillery vinasse treatment	FP39	G.A. Kent	The effect of trash on the operation and performance of a raw sugar factory			ISBUC	11.00
11.30	AE14	E. Taira, M. Ueno, Yoshinobu, R. Matsukawa	High efficient diagnosis of sugarcane farm land using NIR spectroscopy networking system		Biography Posters		CO12	A. Cabello, A. Torres, O. Almazan	The economical viability of animal production based on sugarcane coproducts under the present prices of commodities	FP20	D. Foster, R. Bryan	A practical approach towards reducing the dextran levels in sugar at the Appleton sugar mill in Jamaica			ISBUC	11.30
12.00	AE6	J.G. Kidd, B.G. Robotham, C. Whiteing, A.L. Garside	Development and modification of machinery for an improved farming system in the Australian sugar industry		Biography Posters		CO20	G. Chandrasena, A.P. Keerthipala, V.P. Jayawardena, W.A.M.J.S.B. Abeyasinghe, A. Nimal Perera	Formulation of a cattle feed from co-products of the sugarcane industry of Sri Lanka	FP1	S.D. Peacock	The effect of final effect operating pressure on sucrose degradation in evaporator stations			ISBUC	12.00
12.30		Lunch														12.30
14.00	PL31	L.O. Jolly	New strategic drivers for world sugar: What are they and how will they impact the market?													14.00
14.30	PL32	Q. Hildebrand	Trends in the world sugar market													14.30
15.00	PL33	L.O. Jolly	The world market product structure and pricing of physical sugar													15.00
15.30		Coffee Break														15.30
16.00	AG23	P. Prammanee, S. Saensupo, P. Weerathaworn, A. Siwarome	Minimum tillage: Ten years of experience	BM5	R.B. McQualter, A. Dookun-Sauntally	Expression profiling of abiotic-stress-inducible genes in sugarcane	CO9	A. Torres, G. Blanco, M. Herryman, O. Almazan, A. Cabello	A techno-economical method to guide decision making over the energy-sugar-ethanol combined production under the changing world market conditions	FP14	S.N. Walford	Five years on - was the implementation of LIMS at SMRI worth it?			ISBUC	16.00
16.30	AG32	T. Van Antwerpen, R. Van Antwerpen, J.H. Meyer, P. Naidoo, S. Berry, V.W. Spaull, K. Govender, P. Cadet, S. Rutherford, M. Laing	Factors associated with a healthy soil in sugarcane production in Kwazulu Natal	BM6	W. Maccheroni, H. Jordao, R. Degaspari, S. Matsuoka	Development of a dependable microsatellite-based fingerprinting system for sugarcane	CO10	O. Almazan, M.A. Otero	Benchmarks for a strategy in the energy generation of the sugarcane industry: A real clean source of energy	FP7	U. Klute. Presented by H.K. Sprenger	Microwave measuring technology for sugar industry			ISBUC	16.30
17.00	AG19	S. Seeruttun, C. Barbe, A. Gaungoo	New herbicide tank-mix, Krismat® + Dinamic®: A cost-effective broad-spectrum pre- & post-emergence treatment for managing weeds in sugarcane	BM7	E.R. Guimaraes, M.A. Mutton, M.I.T. Ferro, J.A. Silva, M.J.R. Mutton, D.B. Kalaki, L.L. Madaleno	Evidence of sugarcane resistance against <i>Mahalanarva fimbriolata</i> (Stal, 1854) (Hemiptera: Cercopidae)	CO30	J.A. Joyce, P.A. Hobson	Monte Carlo simulation as a tool for technical modelling and project analysis	FP8	S. King	Experience and utilization of an on-line sugar colorimeter in a raw cane mill			ISBUC	17.00

Thursday 2 August															
8.30			BP4	M.F. Perera, M.P. Filippone, J. Ramallo, M.J. Cuernya, M.L. Garcia, A.P. Castagnaro Presented by J. Scandalariis	Genetic diversity of sugarcane mosaic virus complex in Tucuman, Argentina	AG22	J.H. Meyer, A.W. Schumann, R.A. Wood, D. Nixon, M. Van Den Berg	Recent advances to improve nitrogen use efficiency of sugarcane in the South African sugar industry	FP19	R.C. Loubser, S.B. Davis	Investigation into the use of the fractal concept for improving mixed juice clarifier performance	FE2	F. Calboutin, S. Naidoo	Cane tracking and sampling equipment, an update	8.30
9.00			BP7	N. Joomun, A. Dookun-Saumtally, S. Saumtally, S. Ganeshan	Sugarcane yellows phytoplasma in Mauritius: Molecular characterization, transmission and alternative hosts	AG46	P.J. Thorburn, A.J. Webster, I.M. Biggs, J.S. Biggs, S.P. Staunton, S.E. Park	Systems to balance production and environmental goals of nitrogen fertiliser management	FP41	R.J. Steindl	Aspects of mud thickening and handling in juice clarifiers	FE3	J. Duttgupta, T.R. Rama Mohan	Sintered alloy powder carbide and tungsten carbide materials for shredder hammer tips	9.00
9.30			BP3	J.C. Comstock, P.Y.P. Tai, J.D. Miller	Identification of parents for breeding sugarcane yellow leaf and ratoon stunt resistant cultivars	AG39	S. Ishikawa, S. Ando, T. Sakaigaichi, Y. Terajima, M. Sugiyama, M. Matsuoka	Dry matter production and N accumulation in sugarcane for use as animal feed	FP25	D.W. Rackemann, R. Broadfoot	Improved pan stirrer performance through CFD modelling	FE17	A.L. Gomez, C.F. Canon, D.E. Ramirez	Hard faced welded tips in shredder hammers - technical and economical performance	9.30
10.00			BP10	J.I. Victoria, J.C. Angel, M.L. Guzman, M. Olcata	Management of sugarcane cultivars imported into Colombia	AG37	H. Cantarella, P.C.O. Trivelin, T.L.M. Contin, F.L.F. Dias, R. Rossetto, R. Marcelino, R.B. Coimbra, J.A. Quaggio	Ammonia volatilization from urease inhibitor-treated urea applied to sugarcane trash blankets	FP9	D.J. Love	Simulation of the dynamic behaviour of a compartment of a continuous pan	FE8	K.E. Schroder, I. Voigt, B.St.C. Moor	The conversion of a BMA diffuser to a Bosch Projects chainless diffuser - the first season's experience	10.00
10.30	Coffee break														10.30
11.00			BB7	K. Ramdoyal, M.G.H. Badaloo	An evaluation of interspecific families of different nobilized groups in contrasting environments for breeding novel sugarcane clones for biomass	AG1	A.N. Ram, J.S. Gawander, A.D. Jokhan, K. Garan	Soil loss and declining sugarcane yields on sloping land in Fiji	FP42	D.J. Love	Measuring vacuum pan dynamics using pseudo random binary signals	FE4	B.St.C. Moor	Flue gas scrubbing equipment for bagasse fired boilers	11.00
11.30			BB8	M.G.H. Badaloo, K. Ramdoyal	Use of predictive statistics for early identification of genetic potential of sugarcane families to produce elite genotypes in advanced trials	AG59	R.P. Wiedenfeld	Sugarcane water use and irrigation requirements in a semiarid environment	FP24	D.W. Rackemann, R. Broadfoot	A new design of jigger system to improve vacuum pan performance	FE10	M.A. Gooch, A. Wienese	Detection of sucrose in boiler feed water	11.30
12.00			BB11	J.A. Bressiani, M.I. Zucchi, J.A.G. da Silva, C.A. Colombo, R. Vencovsky, M.G.A. Landell, W.L. Burnquist, E.C. Ulian	Utilising genetic dissimilarity for planning of crosses in sugarcane	AG50	D. Musa	Practical methods of evaluating on-farm irrigation systems	FP40	R.J. Steindl	Optimising the performance of rotary sugar dryers through modelling and control	FE16	F.N. Teixeira, E. Olivares-Gomez, E.E. Silva Lora, A.L. Brito Sauvanel	Characterization of polluting emissions from sugarcane bagasse boilers and their removal	12.00
12.30	Lunch														12.30
14.00			BM9	J.-W. Park, R. Huang, T.E. Mirkov	Identification and characterization of sugarcane proteins required for posttranscriptional gene silencing	CO3	M.H. Rocha, E.E. Silva Lora, O.J. Venturini	Life cycle analysis of different alternatives for the treatment and disposal of ethanol vinasse	BE11	A.R. Salvatore, E.M. Acosta, G. Lopez, E. Willink. Presented by P.G. Allsopp	Impact of the lesser cornstalk borer, <i>Elasmopalpus lignosellus</i> , on sugarcane in Tucuman, Argentina	FE11	P. Avram, B. Morgenroth, S. Pfau	Integrated beet and cane sugar processing with high cogeneration efficiency	14.00
14.30			BM12	Q. You-Xiong, L. Jian-Wei, Z. Ji-Sen, R. Miao-Hong, X. Li-Ping, Z. Mu-Qing	Molecular cloning and characterization of a non-TIR-NBS-LRR type disease resistance gene analogue from sugarcane	CO22	B.P. Lavarack, T. Eggeman, L.A. Edey, P.A. Hobson, J.L. Blinco, G.E. Bullock	An update of the Zeachem process for increased ethanol production	BE14	S. Ganeshan. Presented by A. Dookun Saumtally	Six armyworm species (Lepidoptera: Noctuidae) occur in sugarcane fields in Mauritius	FE18	A.L. Gomez, A. Carvajal, C.F. Canon, D. Barrientos, C.O. Briceno	Steady-state simulation of a complete sugar mill with ethanol plant	14.30
15.00						CO18	D.F. Day, G. Dequeiroz, C-H. Chung, M. Kim	By-products from bagasse	BE15	S. Ganeshan. Presented by K. Ramdoyal	Management of sugarcane armyworms <i>Mythimna</i> spp. (Lepidoptera: Noctuidae) in Mauritius	FP38	J.L. Oliverio, F.C. Boscarol, H.G. Filho	DRD - Dedini Refinado Direto (Dedini Direct Refined): Refined sugar without refinery	15.00
15.30	Coffee Break														15.30
16.00			AE1	J.S. Torres, G.A. Criollo, R. Franco	Sequence of tillage practices and reduction of land preparation costs on a mollisol of the Cauca Valley, Colombia	AG64	R.M. Johnson, R.P. Viator, M.P. Grisham, E.P. Richard, Jr, R. Boopathy. Presented by W. White	Microbial degradation of post-harvest residues	CO19	P.S. Rao, H. Davis, C. Simpson	New sugarcane varieties and year round sugar and ethanol production with bagasse-based cogeneration in Barbados and Guyana	FP26	S. Ravichandran, N. Dharmalingam, R. Ramamoorthy, C.K. Venkatesh, K. Sajith	Innovative production of white sugar from raw sugar during sugarcane shortage	16.00
16.30			AE5	N.L. Lecler, D.J. Clark, R.E. Schultze, B.A.K. Griffiths, J.C. Smithers	Performance of irrigation systems and water use of sugarcane: A field to catchment scale perspective	AG74	F. Villegas, J.S. Torres, J.E. Larrahondo, D.F. Restrepo	Allelopathic effects of sugarcane postharvest residue	CO25	M. Ueno, Y. Kawamitsu, Y. Koriya, L. Sun	Carbonization and gasification of bagasse for effective utilization of sugarcane biomass	FP12	C.R.C. Jensen, S.M. Kitching	Options for retrofitting white sugar milling (WSM) technology into existing raw sugar factories	16.30
17.00			AE15	S. Chidoma	A review of the cane haulage problems at Hippo Valley Estates	AG47	S. Park, M. Howden, H. Horan	Evaluating the impact of and capacity for adaptation to climate change on sectors in the sugar industry value chain in Australia	CO33	F.X. Johnson, V. Seebaluck, H. Watson, J. Woods, M. Mapako, F. Yamba, F. Rosillo-Calle, M.R.L.V. Leal, P.R.K. Sobhanbabu, G. Brown, F. Farioli	Cane energy for sustainable development and economic competitiveness in southern Africa				17.00