

Monday 2 September

| | Agriculture | Biology | Factory | Co-products |
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| 9:30 | Opening Ceremony | | | |
| 10:30 | Coffee/tea | | | |
| 11:15 | Keynote address: Plinio Nastari – Giving value to ethanol as a clean and efficient option of energy for future mobility | | | |
| 12:30 | Lunch | | | |
| 14:00 | González Hidalgo, Fernández Vázquez, de León Ortiz, Villegas Delgado, Rodríguez Regal - Influence of conventional tillage on soil organic-carbon under 30 years of sugarcane monoculture in Cuba | Garsmeur, Droc, Potier, Aitken, Van Sluys, Simmons, van der Vossen, Henry, Schmutz, D’Hont -A reference sequence for the complex genome of sugarcane | Calpa Pantoja, Montes, Gómez, Gil Zapata - Evaluation of control strategies in sugarcane mills through dynamic simulation | Leal, Teodoro - A global view of bioproducts: the sugarcane perspective |
| 14:20 | Tesouro, Fernández de Ullivarri, Venturelli, Roba, Romito, Peralta, Donato, Bongiovanni, Erazzú, Fontana - Yields and economic results of sugarcane cultivation under an alternative system compared to traditional management | ten-Caten, Diniz, da Silva, Nishiyama, Lembke, Souza - Re-annotation of sugarcane assembled sequences from the SUCEST project | Chandgude, Patil - Enhancement of mill performance by adopting low-speed milling in the sugar industry | Chudasama - Exploiting lignocellulosic feedstocks for lignin and chemicals |
| 14:40 | Ramos, Todoroff, Bravin, Marion, Thuries, Versini, Albrecht - Soil spectral signatures for sugarcane fertiliser recommendations through an adapted soil typology in Réunion | Umeda, Hattori, Sakaigaichi, Tarumoto, Hayano, Adachi, Kimura, Ueta, Enoki, Mori - QTL detection for smut resistance inherited from a Japanese wild sugarcane in the progeny of an interspecific cross | Kent - Understanding milling tandem control | Olivério, Boscaroli, Ferreira - Brazilian monetary carbon credits (CBio) optimized using sustainable mill technologies |
| 15:00 | Paredes, Pérez, Alonso, Romero, Rodríguez - Operational and logistics costs of nitrogen fertilization systems in sugarcane production in Tucumán, Argentina | Singh, Singh, Singh, Nigam, Singh - An integrated genetic linkage map based on SSR and TRAP markers for a commercial cross of sugarcane | Lewinski, Barrientos, Grassmann, Fredriksson, Fantinatti - Analysis of milling operation with electro-hydraulic individual drives in the Ferrari Sugar Mill | Poster - Romano Nanni, Ruiz, Tosi, Albarracín - Production of sugarcane, sugar, bioethanol and vinasse in Tucumán Province since the implementation of the Biofuels Law |
| 15:20 | Discussion | Discussion | Discussion | Discussion |
| 15:30 | Coffee/tea | | | |
| 16:00 | Ali, Ali, Naveed, Afghan, Hussain, Khan, Shah - Screening different sugarcane (<i>Saccharum officinarum</i>) cultivars under saline sodic conditions | Chaves, Ostengo, Alves-Pereira, Gonzalez, Cuenya, Castagnaro, Racedo - Molecular tagging of novel sources of resistance to sugarcane brown rust for use in breeding | Sundaram, Nikam, Ghundre - Reduction in bagasse moisture and improvement in mill extraction by controlling reabsorption of juice in mills | Sustaita, Galon, Asanza, Criscoulo, Silva Neto, Sardella - High performance in electric power generation with sugarcane biomass |
| 16:20 | Poser, Barau, Mézino, Goebel, Ruget - Effect of the germination threshold temperature on the geographical distribution of the | Zhang, Liu, Yang, Li - Transcriptome analysis reveals the genes responding to <i>Leifsonia xyli</i> subsp. <i>xyli</i> infection in sugarcane | Roussel, Macé, Ricquebourg, Mazeau, Tailamee - Experience gained from perforated mill rolls in Réunion | Almazán, Pérez, Silva, Escobar, Martínez - Thermodynamic evaluation of the integration of the process of obtaining biobutanol in an autonomous distillery |

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| | variety R583 in Réunion | | | |
| 16:40 | Nakayama, Miyamoto, Kanatani, Kojima - Yield-monitoring system for a sugarcane harvester using a laser displacement sensor | Parmessur, Dookun-Saumtally - QTL mapping for early ripening and high-sucrose related traits in sugarcane | Sanchez, Chavarro - Experiences with the use of filtering nozzles in sugar mill XM-type rolls | Russo, Salazar, Diez, Ruiz - Simultaneous production of sugar and alcohol: energy optimization including vinasse concentration |
| 17:00 | Yoshimine, Okuyama, Nakayama, Mitani, Sugimoto - Design and implementation of a sugarcane harvest-monitoring system based on machine geo-location and sensor data | Chai, Yao, Akbar, Fang, Chen, Zhang - Identification and characterization of a novel DELLA-like gene (ScGAIL) from sugarcane | Matosevic, Veljovic - New sugarcane-mill misalignment coupling | Poster - Canseco Grellet, Castagnaro, Ahmed, Dantur, De Boeck, Cárdenas, Welin, Ruiz - Evaluation of a continuous fermentation process at the industrial scale by an indirect ethanol yield calculation-method |
| 17:20 | Discussion | Discussion | Discussion | Discussion |
| 17:30 end | | | | |

Tuesday 3 September

| | Agriculture | Biology | Factory | Co-products |
|-------|---|---|--|--|
| 8:30 | Poultney, Versini, Detaille, Feder, Thuriès - Contribution of organic fertilisers to nitrogen nutrition in sugarcane and nitrate leaching in sugarcane agroecosystems in Réunion | Cheavegatti-Gianotto, Oliveira, Lopes, Gentile, Onosaki, Burnquist - Development of CTC20BT, the first genetically modified sugarcane commercially available in the world | Ramaru, Moor, Raaff, Rosettenstein - Roadmap for improving energy efficiency in an existing sugarcane factory | Eggleston, Aita - Exploration of sugarcane products as a major source of antioxidant phenolic extracts in commercial foods and beverages |
| 8:50 | Miles, Rhodes, Weigel - Prediction of the contribution of soil-nitrogen mineralization to crop fertiliser-nitrogen requirements | Noguera, Enrique, Ostengo, Perera, Racedo, Costilla, Zossi, Cuenya, Filippone, Welin, Castagnaro - Development of the transgenic sugarcane event TUC 87-3RG resistant to glyphosate | Mann - Improvements to bagasse combustion | Lencina, Robinson, Rearte, Albarracín - Production of unicellular protein and reduction in contamination from the amount of vinasse |
| 9:10 | Đinh, Takaragawa, Kawamitsu - Relationship between nitrogen-use efficiency and water-use efficiency of sugarcane under different water regimes | Romero, Robredo, Uchino, Easdale, Acosta, Yañez Cornejo, Palacio, Serino - Agronomic and compositional characterization of a glyphosate-tolerant transgenic event derived from sugarcane cultivar NA05-2019 | Ospina, Lucuara, Calpa, Gomez, Gil - Strategies for increasing combustion efficiency in the Colombian sugarcane industry | Aita, Deng - Production of fumaric acid from bagasse |
| 9:30 | Vilas, Verburg, Biggs, Thorburn - Quantifying the effects of longevity of nitrification inhibitors on nitrogen losses in simulated sugarcane production | Racedo, Budeguer, Perera, Soria Femenías, Ovejero, Cuenya, Castagnaro, Noguera - Development of a further transgenic sugarcane cultivar resistant to glyphosate herbicide | Zamora Rueda, Mistretta, Gutierrez, Golato, Paz, Cárdenas - Energy characterization of sugarcane bagasse in Tucumán, Argentina | Mohan, Srivastava, Agarwal - Value of the conversion of sugarcane-biomass xylans to alkyl glycosides |
| 9:50 | Cantarella, Gonçalves Oliveira, Silva Lourenço, Rodrigues Soares, Carolino Gonzaga, Nunes Carvalho - Nitrification inhibitors reduce the carbon footprint of sugarcane production | Perera, Ovejero, Racedo, Noguera, Cuenya, Castagnaro - TRAP markers allow the identification of transgenic lines that are genetically close to their parental genotype | Cruz, De Boeck, Paz - Fibrous sorghum as an alternative fuel during the off-harvest sugarcane season in Tucuman, Argentina | Patil, Konde, Patil, Burase - 2G lactic acid production from sugarcane bagasse using <i>Bacillus coagulans</i> NCIM 5648 |
| 10:10 | Castro, Zotelli, Carvalho, Franco - Sugarcane yield and nitrogen losses associated with different methods of applying N fertilizer | Di Pauli, Fontana, Lewi, Felipe, Erazzú - Somatic embryogenesis response in Argentinian sugarcane genotypes for <i>in vitro</i> mutagenesis application | Awasthi, Tewari, Gunasekaran - Vinasse incineration with bagasse as a supporting fuel | Poster - Aita, Moon, Verret, Foster - Production of xylooligosaccharides by acid hydrolysis from energy-cane bagasse as a source of prebiotics Poster - Vitrac, Teal, Goebel, Shili-Touzi - An innovative mobile sugarcane crusher to develop an island economy Discussion |

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| 10:30 | Coffee/tea | | | |
| 11:00 | Plenary - Sugarcane production and the environment Schroeder - Enterprise-specific sustainable sugarcane production – making the most of what you’ve got! Minton – Sustainable production of chemicals, fuels and animal feed from C1 gases Abe - “Nissan Intelligent Power” and solid-oxide fuel cells for electric vehicle applications | | | |
| 12:30 | Lunch | | | |
| 13:30 | Poster viewing – authors to be present | | | |
| 14:30 | Christina, Le Mezo, Mezino, Barau, Tendero, Auzoux, Todoroff - Modelling the annual yield variability in sugarcane in Réunion | Li, Wang, Solanki, Yu, An, Dong, Yang - <i>Streptomyces chartreusis</i> strain WZS021 stimulates the drought tolerance of sugarcane | Muñoz, León, Saldarriaga - Design and implementation of a starting system for a sugarcane shredder | Sriroth, Sunthornvarabhas - Technological evaluation of antimicrobial adhesives from bagasse lignin |
| 14:50 | Singels, Jones, Lumsden - Potential for sugarcane production under current and future climates in South Africa: Sugar and ethanol yields, and crop water use | Fontana, Orru, Fontana, Cocconcelli, Vignolo, Salazar - Soil microbial community responses to different sugarcane management strategies as revealed by 16S metagenomics | Patil, Chandgude - Implementation of a variable-frequency drive for a fibrizer to achieve the ideal preparatory index | Bernal Villegas, la O, Grellet, Castagnaro - Production of phenolic compounds from <i>in vitro</i> shoots of sugarcane (<i>Saccharum</i> spp.) in temporary-immersion bioreactors |
| 15:10 | Fandos, Soria, Scandaliaris, Carreras Baldrés, Romero, Scandaliaris - Application of remote sensing and GIS for age differentiation of sugarcane crop classes in Argentina | Discussion and Workshop report – Molecular Biology and Breeding and Germplasm | Lawlor, McAdam - The story of the 2015 Pongola Silo Failure and the use of cascade sugar drying to re-establish refined sugar conditioning capacity | Shoko, Mutatu, Nyoni - Extraction and purification of potassium chloride from stillage from the Triangle Distillation Plant |
| 15:30 | Coffee/tea | | | |
| 16:00 | Castillo, Salazar, Suarez, Aucatoma - Evaluating a legume break crop and its residual effect on increasing sugarcane production and reducing nitrogen application | Koonjah, Badaloo - Climate change in Mauritius and its implication for the sugarcane variety development programme for the rainfed north and west sectors and island-wise | Moor, Rosettenstein, du Plessis - Key considerations for high-performance continuous vacuum pans | Fonte Pérez, Lorenzo Llanes, González Cortés - Bagasse gasification to increase electricity generation in Cuban sugar mills |
| 16:20 | Palomeque, Nuñez, Kingston - Evaluation of alternative fallow-management strategies for sugarcane and associated nitrogen and biology dynamics at San Carlos, Ecuador | Chaisan, Weksanthia, Wannarat - EMS mutagenesis and <i>in vitro</i> evaluation for development of new sugarcane clones with tolerance to water deficits | Awasthi, Goyal, Kumar, Mishra - A new vertical continuous vacuum pan design | Franck Colombres, Paz - Gasification of agricultural residues from sugarcane harvests as an alternative for generation of distributed power in Tucumán, Argentina |
| 16:40 | Chalco Vera, Erazzú, Acreche - Effects of sugarcane trash burning and nitrogen fertilization on soil-carbon balances in Argentina | Salazar Villareal, Lopez Zuniga, Victoria Kafure, Viveros Valens, Garces - Selection of varieties for humid environments of the sugarcane area of Colombia | Verma, Nanda, Chauhan, Kore - An improved design of a vertical continuous vacuum pan | Discussion |
| 17:00 end | | | | |

Wednesday 4 September

| | Agriculture | Biology | Factory | Co-products |
|-------|---|--|--|--|
| 8:30 | Lima, White - Sugarcane-bagasse and leaf-residue biochars as soil amendments for increased sugar and cane yields | Bertani, Perera, Joya, Funes, González, Cuenya, Castagnaro - Molecular characterization of <i>Puccinia melanocephala</i> , the causal agent of brown rust, in Tucumán, Argentina | Thaval, Broadfoot, Kent, Rackemann - Effects of tube dimensions and operating conditions on the heat-transfer coefficient of rising-film evaporators | Mohan, Swain - Bio-energy and efficiency - key factors for the sustainability of the Indian sugar industry |
| 8:50 | Michavila, Racedo, Claps, Ciaccio, Alibrandi, Ciná, Gallo, Welin, Castagnaro - Isolation and characterization of potential plant growth-promoting bacteria from sugarcane | Braithwaite, Ngo, Grinstead, Mollov - Ramu stunt virus: genomic diversity across Papua New Guinea | Geisendörfer, Eckhard Flöter - Aspects of vapor bubble nucleation in industrial sugar crystallization: a laboratory study | De Boeck, Paz - Bioethanol and bioelectricity production from crushing sweet sorghum in a sugarcane factory |
| 9:10 | Munoz - Labile C as an indicator of the impact of trash removal on soil health in the sugarcane production system | Joomun, Dookun-Saumtally - Molecular characterisation of <i>Sugarcane yellow leaf virus</i> from Mauritius | Rostagno, Olivero - Successful implementation of plate heaters and evaporators in the sugarcane industry | Mohan, Swain, Paroha - Ethanol from B-heavy molasses for sustainability of the Indian sugar industry |
| 9:30 | Takaragawa, Dinh, Kawamitsu - Mixtures of sugarcane cultivars with different rooting abilities as an option to improve growth and water-use efficiency under drought conditions | Fontana, Tomasini, Fontana, Di Pauli, Cocconcelli, Vignolo, Salazar - Multilocus Sequence Analysis highlights genetic diversity of <i>Acidovorax avenae</i> strains associated with sugarcane red stripe | Pelster, Morgenroth, Singh Bola - Impact of condenser performance on sugar crystallization and power requirements of a sugar mill | Ortiz, Erazzú - Sugarcane energy: potential electricity production from vinasse produced by the ethanol industry |
| 9:50 | van Antwerpen, Miles, Meyer - Effect of surface residue and potassium sources on potassium availability in two contrasting soils in South Africa | Bertani, Perera, Joya, Henriquez, Funes, Chaves, González, Cuenya, Castagnaro - Molecular characterization of <i>Acidovorax avenae</i> , the causal agent of red stripe, in Tucumán, Argentina | Moller - Changes in massecuite and crystal colour during product pan crystallisation | Pérez Bermúdez, Garrido Carralero, Tortoló Cabañas - Energy integration for electricity generation and reducing production costs in yeast plants |
| 10:10 | Workshop report – Agronomy and Agricultural Engineering | Garcés, Ángel, Donneys, Montoya, Cadavid, Angel, Victoria - Current status of the <i>Sugarcane yellow leaf virus</i> (SCYLV) in Colombia | Broadfoot - Benchmarking and improving sugar recovery from final molasses | Discussion |
| 10:30 | Coffee/tea | | | |
| 11:00 | Plenary - Sugarcane economics Autrey - Competitiveness of different sugarcane industries in an era of low sugar prices Leal - Sugarcane agricultural residues: potential, bottlenecks and solutions Steindl - You want to build a new WHAT? | | | |
| 12:30 | Lunch | | | |
| 13:30 | Poster viewing – authors to be present | | | |
| 14:30 | Shinde - Fertigation through drip irrigation in the sugarcane cultivar | Vishwakarma, Singh, Nigam - Impact of climatic factors on the | Bakir, Rackemann, Doherty - Current perspective and future | Zamora Rueda, Mistretta, Gutierrez, Golato, Paz, Cárdenas - |

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| | CoVSI09805 | incidence and severity of pokkah boeng disease of sugarcane | research directions on defecation clarification for the manufacture of raw sugar | Physicochemical and energy characterization of sugarcane vinasse in Tucumán, Argentina |
| 14:50 | Valdivia-Vega, Valdivia-Salazar, Pinna-Cabrejos - Nitrogen cycle of sugarcane irrigated with 'filter cake water' | Puchades, La O Hechavarría, Rodríguez, Rodríguez - Analysis of disease-screening trials for sugarcane mosaic using the Sites Regression model | Roussel, Petit, Rondeau - Impact of tops and green leaves on sugarcane processing: laboratory testing | Soares, Duft, Carvalho, Mantelatto, Okuno, Guizelini, Trez, Leal - Sugarcane trash processing and burning alternatives |
| 15:10 | Sheini Dashteghol, Naseri, Boroomand Nasab - Comparative study effects on water productivity and sugarcane yield of different depths of installation and spaces between emitters in subsurface drip irrigation | Sood, Davidson, Comstock, Gordon, Islam, Baltazar, Sandhu, Zhao - Development of disease-resistant CP sugarcane cultivars in Florida | Discussion | Duft, Okuno, Luciano, Cardoso, Bonomi, Leal - Spatial mapping of trash recovery costs |
| 15:30 | Coffee/tea | | | |
| 16:00 | Orgeron, Spaunhorst, Gravois - Occurrence and control of weeds in sugarcane in Louisiana - exploring the use of triclopyr for bermudagrass management | Thompson, Wilson - Comparison of diagnostic tests developed for sugarcane streak mosaic virus | Walford - The SMRI-NIRS technology: development, validation and benefit | Rearte, Martínez Pulido, Risso, Peralta, Nuño, Molina Tirado - Utilization of pellets of residues from sugarcane harvesting in biomass combustors |
| 16:20 | Vargas, Sánchez Ducca, Sabaté, Romero, Olea - Dispersion of <i>Sicyos polyacanthus</i> seeds by mechanical sugarcane harvesters in Tucumán, Argentina | Fernandez, Ferdinand, Filloux, Guinet, Julian, Rott, Roumagnac, Daugrois - Improvements in virus detection at CIRAD's sugarcane quarantine using both viral metagenomics and PCR-based approaches | Madho, Barker - The SMRI-NIRS technology: improving factory performance | Poster - Molina, Quiaia, Machado, Paz - Start-up and monitoring of the granulation process in a pilot anaerobic reactor using vinasse as a substrate Poster - Casen, Feijóo, Gómez, Golato, Romero, Ruiz, Cárdenas - Sugarcane trash bale pallets in two locations in the province of Tucumán: energetic and structural characterization Poster - Scandaliaris, Soria, Fandos, Carreras Baldres, Scandaliaris, Virginia Paredes - Application of remote sensing and GIS for the estimation of production, location and cost of transport of agricultural harvest residues for energy production |
| 16:40 | Portocarrero, Aparicio, De Gerónimo, Fontana, Costa - Herbicide dissipation in vinasse-treated soil | Bertani, Joya, Henriquez, Funes, Perera - Detection of <i>Sugarcane yellow leaf virus</i> in commercial | Taira, Ikeda, Saengprachatanarug, Honda, Izumikawa - High-efficiency calibration system for direct cane | Workshop report |

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| | | cultivars and the parental collection of the EEAOB breeding program in Tucumán, Argentina | analysis using a combined NIR system | |
| 17:00 | Discussion | Joya, Bertani, Funes, Chaves, Henriquez, Perera, Noguera, González, Castagnaro, Digonzelli - Diagnosis and sanitary status of sugarcane propagation material in different stages of the Vitroplants project during 2014/2018 | Walford, Roussel - Development of an ICUMSA method – a comparison of cane analysis methods | Discussion |
| 17:20 | | Discussion and Workshop report – Pathology | Discussion | |
| 17:30 end | | | | |

Thursday 5 September

| | Biology | Biology | Factory | Management Workshop |
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| 8:30 | Boua, Coulibaly-Ouattara, Goebel - Outbreaks of the African sugarcane stalk borer <i>Eldana saccharina</i> Walker (Lepidoptera: Pyralidae) in sugarcane plantations of the northern Ivory Coast: management strategies under implementation | Zhou - Potential of exploiting additive and non-additive genetic effects in sugarcane breeding | Boone, Ihli, Hartsough, Hernandez, Sanders, Klasson, Lima - Application of permanganate to reduce microbial contamination and sugar loss in raw-sugar production in Louisiana, USA | Poster - Tonatto, Garolera De Nucci, Casen, Ruiz, Romero - Use of energy in sugarcane production in Tucumán, Argentina Poster - Garolera De Nucci, Tonatto, Romero, Cárdenas, Mele - Life-cycle assessment of sugarcane-based ethanol production in Tucumán, Argentina Clarification |
| 8:50 | Rutherford, McFarlane, Memela, Snyman - Harnessing the sugarcane microbiome for improved resistance to the stalk borer <i>Eldana saccharina</i> Walker (Lepidoptera: Pyralidae) | Swapna, Pandey, Kapur - Recurrent selection cycles for pre-breeding in sugarcane: enhancing the sugar-accumulation potential in selection cycles | Daza, Prieto, Palacios, Gil - Microbial action in cane processing goes beyond sucrose loss | Brown, Ullivarri, Paez, Blanco - Protected Productive Landscape of Ledesma S.A.A.I.: Reconciling nature conservation with production in areas of high environmental value |
| 9:10 | Salvatore, Romero, Pérez, Isas, Iovane, Rojas, Willink - Economic losses in sugarcane production caused by <i>Diatraea saccharalis</i> in Tucumán, Argentina | Aybar Guchea, Ostengo, Chavanne, Cuenya - Pattern analysis of genotype-by-environment interaction for yield and sucrose content of sugarcane in Tucumán, Argentina | Destro, Goto, Barros, Gravina, Straube, Victorelli, Guadalupe-Medina, Mulder, EA Borges da Silva - Enzyme technologies for boosting sugar and ethanol industries | Auzoux, Scopel, Christina, Poser, Soulié - AEGIS, an extended information system to support agroecological transition for sugarcane industries |
| 9:30 | Nikpay, Volpe, Goebel - Spatial distribution of pink stalk borers <i>Sesamia</i> spp. (Lepidoptera: Noctuidae) in sugarcane fields in south-western Iran | Badaloo, Koonjah, Santchurn - Evaluation of Pol % dry matter and tonnes Pol per hectare of eight cultivars, across two contrasting environments, three harvest dates and two crop cycles in Mauritius | Gonin, Paillat, Theoleyre, Awasthi, Goyal - Cane sugar refineries: towards a 'green' process solution for fine liquor de-colorization | Thitithawonwong, Athipanyakul, Potchanasin - Factors affecting the adoption of the Bonsucro Standard amongst Thai sugarcane farmers |
| 9:50 | Li, Qin, Luo, Song, Wei, Ding, Lin - Effects of the host plants <i>Zizania latifolia</i> (Manchurian wild rice) and sweet corn on growth and development of the sugarcane shoot borer <i>Chilo infuscatellus</i> Snellen | Hoarau, Thong-Chane, Barau, Dumont - Comparison between randomized complete-block and alpha designs in sugarcane variety trials in the light of a spatial modelling of fertility trends | Brichant - A case study of process optimization of resin decolorization and liquid-sugar lines in a sugar refinery | Solomon, Rao, Swapna, Kumar, Singhal - Corporate Social Responsibility initiatives and their impact on sugar-mill performance: a case study of the Seksaria Biswan Sugar Factory, India |
| 10:10 | Pandey, Singh, Singh - Losses due to infestations of the Gurdaspur borer <i>Acigona steniellus</i> Hampson (Lepidoptera: Crambidae) in India Discussion | Xavier, Aferri, Perecin, Firmino, Campana, Landell - Using pre-budded seedlings in the first stages of selection speeds up the development of new cultivars Discussion | Discussion | Panel discussion |
| 10:30 | Coffee/tea | | | |
| 11:00 | Plenary - Sugarcane versus sugar beet Jaggard - Factors affecting recent trends in sugar beet yields and implications for sugarcane productivity | | | |

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| | Jackson - Why are yields of sugarcane not increasing as much as sugar beet (or other crops)? Morgenroth - Comparison of beet and sugarcane production methods and opportunities for dual production | | | |
| 12:00 | Lunch | | | |
| 14:00 | Martin, Silvie, Marnotte, Goebel - A decision-support system for determining sugarcane pest reservoirs | Aitken, Glassop, Atkin, Parfitt, Perroux, Rae - How does stalk anatomy of sugarcane relate to fibre quality characteristics? | Morgenroth, Stark, Pelster, Singh Bola - Process design and equipment selection for optimized steam and power concepts – the “zero” process steam sugar factory | Murray - Deterioration in cane quality and milling performance in the South African sugar industry from 2007 to 2016 |
| 14:20 | Budeguer, Perera, Michavila, Racedo, Gastaminza, Cuenya, Castagnaro - Optimization of a phenotyping system in sugarcane to evaluate different strategies against <i>Diatraea saccharalis</i> (Fabricius) | Koonjah, Badaloo, Meethoo - Use of a reliable method to assess potential cane-yield losses in commercial cultivars resulting from flowering and pith development | Couteaux - Plant audits, debottlenecking and efficiency improvement | Pérez, Paredes, Rodriguez, Scandaliaris - Economic and production indicators of the sugar industry in Tucumán, Argentina, 1994-2017 |
| 14:40 | Kernasa, Jamrutsri, Khamdee - Potential of <i>Beauvaria bassiana</i> and <i>Metarhizium anisopliae</i> isolates as biological control agents of <i>Yamatotettix flavovittatus</i> Matsumura (Hemiptera: Cicadellidae), a vector of sugarcane white leaf disease | Zhao, Irely, LaBorde, Hu - Sugarcane genotypic variation in physiological and yield traits and their relationships | Langhans - Digitalization in sugar production – mind the foundation! | Sall, Chopart - Towards integrated management of water resources at the Senegalese Sugar Company: current results and prospects for a water/food/energy nexus |
| 15:00 | Poster - Atencio, Goebel, Murillo - Host plants associated with <i>Diatraea tabernella</i> Dyar (Lepidoptera: Crambidae) in sugarcane in Panamá Poster - Pérez, Isas, Goebel, M Ayup, Padilla, Salvatore, Gastaminza - Effect of crop residue management on damage and eggs parasitism by <i>Diatraea saccharalis</i> (F.) (Lepidoptera: Crambidae) in sugarcane | Ostengo, Cuenya, Zossi, Balzarini - Relative contribution of genetic and environmental effects on non-sugar compounds of cane juice | Discussion | Poster - Sustaita, Asanza - Outcomes of good management in the sugar and alcohol industry in Brazil Poster - Watt, van Antwerpen, van Heerden - The water, bioenergy and climate-change integrated agricultural research strategy of the South African Sugarcane Research Institute |
| 15:20 | Poster - Qin, Li, Pan, Song, Wei, Wei, Luo - Effects of exposure time and breeding generations of <i>Trichogramma chilonis</i> field populations on parasitism of <i>Corcyra cephalonica</i> eggs Poster - Shang, Huang, Wei, Pan, Lin - Soil pH and organic matter levels in the area of occurrence of the | Discussion | Workshop report - Factory | Discussion |

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| | whitegrub <i>Alissonotum impressicolle</i> Arrow (Coleoptera: Dynastidae) | | | |
| 15:30 | Coffee/tea | | | |
| 16:00 | Afghan, Hassan, Hafeez - Effects of plant-growth-promoting rhizobacteria on diseases, pest insects and agronomic traits of sugarcane | Díaz, Ostengo, Costilla, Golato, Aybar Guchea, Zossi, Chavanne, Paz, Ruiz, Cuenya - Energy traits in three sugarcane cultivars in Tucumán, Argentina | Mohan, Yadav, Singh - Water and effluent management in Indian sugar factories: a novel approach | Radmehr, Baninemeh - Design and implementation of a web-based knowledge management system in the Sugarcane and By-products Development Company in Iran |
| 16:20 | Rezamahalleh, Khodakaramian, Hassanzadeh, Fazliarab - Diversity of endophytic and epiphytic bacteria in Khuzestan sugarcane | Yang, Liao, Anas, Li, Peng, Huang, Li - Screening of sugarcane for high nitrogen-use efficiency at the seedling stage | Urdukhe, Dalvi, Nimbalkar - Treatment of spray-pond overflow wastewater of sugar mills using microalgae | Poster - Santos-Basto - Development of an Excel-VBA application for sugarcane crop-production Poster - Jumman, Bezuidenhout - Proposing a theoretical framework to explain adoption dynamics within a community Poster - Jumman, Govender, Raghunandan - Preferred and default knowledge-exchange communication pathways at the South African Sugarcane Research Institute |
| 16:40 | Workshop report – Entomology | Fooladvand, Ebrahimi, Jahromi, Joni - Reaction of sugarcane clones to cold using morphological, physiological and biochemical characteristics related to cold resistance | Discussion | Discussion |
| 17:00 end | | | | |