

47th Annual Joint Meeting



Florida and Louisiana Divisions



"Organized for the Advancement of Mainland Cane Sugar"

Thursday Morning, June 15th

- 8:00 Registration** (Grand Ballroom Foyer)
- 8:00 Exhibits Open** (Grand Ballroom)
- 8:15 Early Bird Prize Drawings** (Grand Ballroom)
- 8:45 Plenary Session** (Astor Ballroom)

Welcome and President's Message

Stephen Savoie, Louisiana Division President

Greetings and President's Message

Chris LaBorde, Florida Division President

General Business

General Secretary-Treasurer's Report – Freddie Martin

ISSCT Councilor Report - Les Baucum

ASSCT Joint Meeting 2018 -

Chris LaBorde, Florida Division President

ASSCT Joint Meeting 2019 -

Stephen Savoie, Louisiana Division President

Journal Report – Collins Kimbeng, Editor

Recognition of 2016 Program Chair and Best Presentations -

Hardev Sandhu

Announcements -

Coffee Break/Prize Drawings (Grand Ballroom)

Keynote Presentation / ASCL Contact Committee

Mr. Jack Roney, American Sugar Alliance

“The U.S. Sugar Market and Trade.”

Mr. Rob Cerda, Crop Insurance Systems

“Sugar Cane Crop Insurance”

2017 Program – Paul White, Program Chair

Introduction of Session Chairs

Presentation:

The Application of NIR Technology to Assess Cane Quality in Louisiana - A. L. Hale, R. P. Viator, G. Eggleston, and A. Triplett

Thursday Afternoon, June 15th

Agriculture I

Astor I&II

1:05 Collins Kimbeng, Presiding

1:10 *Successive planting effects on soil health, early sugarcane growth and yield in Florida Histosols* – M. Vuyyuru, H. Sandhu, M. McCray, R. Raid, J. Erickson, and A. Ogram

1:30 *New ground vs. old ground: A comparison of soil microbial communities as affected by sugarcane cropping history* – A. Bigott, J. Hoy, and L. Fultz

1:50 *Row spacing effects on sugarcane growth and yield in Florida Histosols* - H. Sandhu

2:10 *Does fallow planted soybean and sweet sorghum reduce plant cane density?*
D. Spaunhorst and P. White

2:30 *Identifying yield and regrowth traits for flowering and non-flowering sugarcane cultivars in Florida* – D. Zhao and P. Aria

2:50 *Sugarcane residue management: Influence of a modified sweeper on yields and water quality* – M. Selim, B. Tubaña, and A. Arceneaux

3:10 Coffee Break/Prize Drawings (Grand Ballroom)

3:30 *Oxisol water availability and its impacts on sugarcane water balance in the Brazilian Cerrados* - F. Maia, J. Santos, M. D'avila, T. Leão, and V. Bufon

3:50 *Sugarcane leaf area index influenced by the moment of salvage irrigation* - J. Santos, M. D'avila, F. Maia, T. Leão and V. Bufon

4:10 *Sugarcane yield response to silicon related to extractable soil silicon on Florida mineral soils* – M. McCray and S. Ji

4:30 *Biomass yields and juice production of energy cane at two locations in Georgia* - B. Anderson, A. Missaoui, J. Knoll, A. Hale

4:50 *Effect of sugarcane ripener glyphosate (Roundup PowerMAX® II) on growth and biomass characteristics of energy cane* – S. Pinnamaneni, E. Barreto, K. Barrios, A. Oliveira, A. Orgeron, C. Kimbeng, M. Pontif, J. Jifon, and A. Hale

Thursday Afternoon, June 15th

***Manufacturing I
Astor III***

- 1:05** **Albert Katryan, Presiding**
- 1:10** ***How material selection contributes to the fulfilment of production requirements*** – I. Geyer, and H. Schmidt
- 1:30** ***The increasing role of automation in the production of raw sugar*** – J. Camel
- 1:50** ***First year in operating a mechanical detrasher system at a sugarcane factory in Louisiana*** - G. Eggleston, C. Schudmak, H. Birkett, H. Waguespack, Jr., I. Lima, J. Gay, A. Landry, J. Stein, E. St. Cyr, A. Finger, and R. Hulett
- 2:10** ***Old sugar mill drives: overhaul or replacement by planetary gearbox?*** – M. Loewen and T. Youngblood
- 2:30** ***Chainless diffusers, mud recycling, and press water clarification*** - N. du Plessis, and B. Moore
- 2:50** ***New information on how to reduce sucrose loss by managing microbial contamination and in Louisiana sugar factories*** – S. Boone, G. Eggleston, B. Montes, L. E. Mancias, J. Sanders, S. Ihli, E. St. Cyr, L. Boihem, and M. Wright
- 3:10** **Coffee Break/Prize Drawings (Grand Ballroom)**
- 3:30** ***Ammonium in juice, syrup, and sugar*** – F. Ehrenhauser, C. Gaudet
- 3:50** ***Clarifier design and operation*** – M. del Carmen Perez
- 4:10** ***Lamella clarifiers. principle and applications in the sugar industry*** – S. Rosettenstein, M. Getaz, and P. Rein
- 4:30** ***Effect of feed source and pyrolysis conditions on sugarcane bagasse biochar*** – A. Hass and I. M. Lima



Posters: Thursday, June 15th, in Grand Gallery (Authors present 5:00-6:00 pm)

- 1 ***Estimation of optimum replications of checks to compare yields in stage II of sugarcane breeding program for sandy soils in Florida*** - O. Coto, H. Sandhu, M. Singh, and W. Davidson
- 2 ***Effect of growth regulators, boron and molybdenum on sugarcane grown in the greenhouse*** – D. P. da Silva, K. Richard, B. King, and R. Johnson
- 3 ***Unravel the genetic basis of sugarcane yellow leaf virus (SCYLV) resistance in Saccharum spp. Hybrid***. M. Islam, X. Yang, S. Sood, J. Comstock, and J. Wang
- 4 ***Billet-planted sugarcane responds positively to chemical seed treatments*** – P. White, J. Hoy, C. Webber III, K. Gravois, and H. Waguespack Jr
- 5 ***Biomass yield and carbohydrate composition in sugarcane and energy cane*** – D. Zhao, M. Irely, C. LaBorde, and C. Hu
- 6 ***Sugarcane boiler ash as an amendment for soilless growing media*** – C. Webber III, P. White, D. Spaunhorst, E. Petrie, and D. Landrum
- 7 ***Allelopathic impact of HoCP 96-540 field residue on seed germination*** – C. Webber III, P. White, D. Spaunhorst, and D. Landrum
- 8 ***Effect of timing and frequency of fungicide applications on progress of brown rust and sugarcane yields*** – B. Chaulagain, P. Rott, and R. Raid
- 9 ***Improving the efficiency of the estimation of agricultural and factory yields in Cuba's sugar agroindustry*** - G. Gálvez, A. González, M. Ferrer, G. Jiménez, E. Casanova, and H. Sandhu
- 10 ***Development of an industrial method to measure total, soluble, and insoluble starch in sugarcane products*** – M. Cole and G. Eggleston
- 11 ***Clarification of energy cane juices*** – F. Ehrenhauser, P. Gaston, S. Linares, C. Gaudet, E. Barreto, M. Pontiff, and C. Kimbeng
- 12 ***Effect of potassium fertilizer application on the yield and quality of current sugarcane varieties in Louisiana*** – R. Johnson
- 13 ***Nitrogen release from polymer-coated urea as influenced by time of the year and fertilizer placement*** – N. El-Hout and J. Fountain
- 14 ***Genetic diversity in a collection of Saccharum spontaneum genotypes and their contribution to the Louisiana commercial sugarcane breeding program as revealed using AFLP markers*** – S. Pinnamaneni, A. Suman, C. Kimbeng, M. Pontif, A. Hale and K. Gravois
- 15 ***Field dissipation of clomazone in Florida sugarcane soils*** – C. Otero and J. Fernandez
- 16 ***Detection and management of the oriental sugarcane thrips, a pest new to Florida sugarcane*** – J. Beuzelin, F. Soto-Adames, L. Baucum, H. Sandhu, W. Davidson, S. Swanson, and M. VanWeelden
- 17 ***Impact of Sugarcane Rust on Sugarcane Yield*** – N. Asbani, G. Nuessly, H. Sandhu, R. Cherry, O. Liburd, and J. Beuzelin
- 18 ***Internet enabled FTIR system for rapid sugar composition analysis*** – K. Ma

Friday Morning, June 16th

Manufacturing II
Toulouse A & B

- 7:55** Jason Burke, Presiding
- 8:00** *Boiling schemes for very high pol (VHP) sugar from high purity syrups* – H. Birkett
- 8:20** *The use of on-line video based colorimeter to optimize the process: A case study* – C. Bouché
- 8:40** *C-sugar crystal size in Louisiana* – F. Ehrenhauser, C. Gaudet, I. Tishechkina, and D. Aragon
- 9:00** *Continuous crystallisation of A and C product* – A. Lehnberger, D. Laue, and R. Hempelmann
- 9:20** *Quality determination of sugar inside continuous centrifugals* – T. Diringer, and B.C. Nielsen
- 9:40** *Evaporators for large first and second effects* – B. Moor, R. Ramaru, and S. Rosettenstein
- 10:00** Coffee Break/Prize Drawings (Grand Ballroom)
- 10:20** *CVPs for good quality sugar, low energy, and high availability* – B. Moor, and N. du Plessis
- 10:40** *Final molasses exhaustion based on experimental results and Sugars modeling software* - F. Beyene, M. Comb, A. Avila, and S. L. Goudeau
- 11:00** *Potential sugar recovery by de-ashing molasses streams* – D. Aragon, and F. Ehrenhauser
- 11:20** *Stopping Maillard reaction in molasses storage tank* – F. Beyene and A. Avila
- 12:00** Awards – Denver T. Loupe Best Presentations & ASSCT Door Prizes
** Astor I & II - Must be present to win **



Friday Morning, June 16th

Agriculture II

Astor I & II

- 7:55** **Niranjan Baisakh, Presiding**
- 8:00** *GGE analysis of ratooning ability in Louisiana sugarcane breeding* -
J. Todd, C. Kimbeng, A. Hale, K. Gravois, and E. Dufrene
- 8:20** *The effects of genetic distance on trait variance in sugarcane* – P. McCord
and M. Irej
- 8:40** *Assessing the potential of parents in the LSU AgCenter breeding nursery*
– A. Oliveira, E. Barreto, M. Daigle, M. Pontif, and C. Kimbeng
- 9:00** *Length and nucleotide sequence polymorphism at the trnL and trnF non-
coding regions of chloroplast genomes among Saccharum and Erianthus
species* – Y-B. Pan, J. Todd, B. Scheffler, A. Hale, L. Lomax,
S. Simpson, F. Liu, and M. Grisham
- 9:20** *Ramu stunt: an important viral disease from the home of sugarcane* –
K. Braithwaite, C. Ngo, L. Tom, and L. Kuniata
- 9:40** *Genetic diversity among sugarcane germplasm revealed with markers* -
O. Coto, M. Cornide, E. Canales, A. D’Hont, G. Perez, and H. Sandhu
- 10:00** **Coffee Break/Prize Drawings (Grand Ballroom)**
- 10:20** *Identification and genome characterization of a new virus infecting the
weed Sorghum almum in Florida* – D. Mollov, S. Grinstead, M. Tahir and
P. Rott
- 10:40** *The weed Sorghum almum is a putative alternative host of sugarcane
infecting viruses in Florida* – P. Rott, W. Boukari, C. Wei, E. Mulandesa,
M. Hincapie, C. Kaye, and D. Mollova
- 11:00** *Effect of sugarcane yellow leaf virus on yields of sugarcane grown on
organic and mineral soils in Florida* – W. Boukari, C. Kaye, C. Wei,
M. Hincapie, L. Davis, M. Irej, C. LaBorde, and P. Rott
- 11:20** *Status of sugarcane yellow leaf virus and its impact in different progenies*
– S. Sood, J. C. Comstock, X. Yang, M. S. Islam and J. Wang
- 11:40** *Field screening of sugarcane varieties for sugarcane yellow leaf in
Louisiana* – M. Grisham, J. R. Maggio, and K. Z. Warnke
- 12:00** **Awards – Denver T. Loupe Best Presentations & ASSCT Door Prizes**
*** Astor I & II - Must be present to win ***

Friday Morning, June 16th

Agriculture III

Astor III

- 7:55** **Diego Luzuriaga, Presiding**
- 8:00** ***Effect of 2,4-D and atrazine when applied with glyphosate ripener –***
A. Orgeron, E. Petrie, and K. Gravois
- 8:20** ***Armezon® (topramezone) herbicide as a weed management option in us sugarcane: Florida & Louisiana data review –*** K. Caffrey, J. B. Guice, L. J. Newsom, S. J. Bowe, S. K. Bangarwa, D. E. Waldstein, A. R. Rhodes, and J. M. Mitchell
- 8:40** ***Variable nitrogen rate technology in Louisiana sugarcane production systems –*** B. Tubaña, H. Viator, M. Dalen, D. Forestieri, and M. Martins
- 9:00** ***Effect of foliar application of glyphosate and cobalt on sugarcane yields and quality –*** D. P. da Silva, K. Richard, B. King and R. Johnson
- 9:20** ***Impact of different nitrogen sources and application time on sugarcane yield and nitrogen use efficiency -*** S. Kwakye, J. Garrett, D. Forestieri, M. Dalen, M. Martins, W. Paye, F. Agostinho, and B. Tubaña
- 9:40** ***Nutrient removal of energy cane and sugarcane as affected by nitrogen application, harvest date, planting scheme, and variety -*** M. Dalen, B. Tubaña, D. Forestieri, S. Kwakye, and M. Martins
- 10:00** **Coffee Break/Prize Drawings (Grand Ballroom)**
- 10:20** ***An update on fungicidal efficacy for management of brown and orange rusts of sugarcane -*** R. Raid, B. Chaulagain, and P. Rott
- 10:40** ***Efficacy and economic benefits of control of the sugarcane stem borers with reduced risk insecticides –*** B. Wilson, J. Beuzelin, and M. VanWeelden
- 11:00** ***The initiation date of fungicide applications affects progress of orange rust and sugarcane yields –*** B. Chaulagain, P. Rott, N. Dufault, and R. Raid
- 11:20** ***Implementation of next generation sequencing for high-throughput pathogen detection in sugarcane introductions grown in quarantine –*** M. Malapi-Wight, L. Kumar, D. Mollov and J. Foster
- 11:40** ***Sugarcane 100K SNP array development and application –*** Q. You, X. Yang, J. Song, M. Islam, L. Xu, J. Comstock, and J. Wang
- 12:00** **Awards – Denver T. Loupe Best Presentations & ASSCT Door Prizes**
Astor I & II - Must be present to win

AMERICAN SOCIETY OF SUGAR CANE TECHNOLOGISTS OFFICERS

<u>Florida Division</u>	<u>Office</u>	<u>Louisiana Division</u>
Chris LaBorde United States Sugar Corp. Clewiston, FL	President	Stephen Savoie Lula-Westfield Paincourtville, LA
Manuel Lezcano Sugar Cane Growers Coop FL Belle Glade, FL	1st Vice President	Gene Adolph Adolph Farms Inc. Napoleonville, LA
Rosa Muchovej United States Sugar Corp. Clewiston, FL	2nd Vice President	Alan Chatman Alma Plantation Lakeland, LA
Diego Luzuriaga Florida Crystals Corp. Pahokee, FL	Chair Agricultural Section	Collins Kimbeng Sugar Research Station St. Gabriel, LA
Albert Katryan United States Sugar Corp. Clewiston, FL	Chair Manufacturing Section	Jason Burke Cajun Sugar Co. New Iberia, LA
Erick Ramos Florida Crystals Corp. Pahokee, FL	Chair At-Large	Ben Legendre Audubon Sugar Institute St. Gabriel, LA
Bruce McManus United States Sugar Corp. Clewiston, FL	Past President	Richard M. Johnson USDA-ARS Sugarcane Res Unit, Houma, LA
Secretary-Treasurer Les Baucum United States Sugar Corp. Clewiston, FL	General Secretary- Treasurer Freddie Martin Baton Rouge, LA	Secretary-Treasurer Kenneth Gravois Sugar Research Station St. Gabriel, LA



FUTURE MEETINGS

Florida Division	September 15, 2017	UF/IFAS Everglades Research and Education Center, Belle Glade, FL
Louisiana Division	February 6- 8, 2018	Crowne Plaza Baton Rouge, LA
Joint Meeting	June 25 - 27, 2018	Hyatt Regency Coconut Point Bonita Springs, FL

Our Thanks to the 2017 Exhibitors



- Alfred Conhagen, Inc
- Anton Paar USA
- ARM Services, LLC
- ATAGO
- Atlantic Bearing Services
- B & D Technologies
- Blasch Precision Ceramics
- BMA America
- Bray Controls / SISCO
- Broadbent, Inc
- Bruker Optics
- Cooling Tower Depot, Inc
- Corporacion POK S.S. de C.V.
- Dome Technology
- Electric South
- EngineWorx / John H. Carter Co
- Fuchs Lubricants Co
- Game Equipment, LLC
- Harrell's
- Honiron Manufacturing
- Honiron Fire Equipment
- ICL Specialty Fertilizers
- Inpro / Seal
- Lufkin Industries, LLC
- Luftex Gears
- M & H USA Enterprises, Inc
- Magnum Steel Co
- Martin Sprocket & Gear
- National Governor & Controls, Inc
- Neltec Denmark A/S
- Powerhouse Technology
- Pro Tech USA
- Process Barron
- PRODEK, Inc
- R. J. Tricon Co
- Renold Jeffrey
- Schubert and Salzer
- SEW-Eurodrive, Inc
- Shrijee Process Engineering Works, LTD
- Solaris Controls
- Southwest Engineers
- Sugar Manufacturers Supply Corp
- T & M Aviation, Inc
- Total Boiler & Mechanical, LLC
- Vesconite Bearings
- Wear Concepts, Inc
- WEBCO Industries
- Western States
- William S. Nadler Jr., Inc

The American Society of Sugar Cane Technologists expresses its appreciation to the corporate sponsors who underwrote part of the cost of the 2017 Annual Joint Meeting.

GOLD LEVEL SPONSORS



R.J. Tricon Company



SILVER LEVEL SPONSORS

