



ISSCT JOINT FACTORY ENGINEERING AND PROCESSING WORKSHOPS -

“Processing and Engineering options towards more competitive factory operations”

Third announcement

<http://www.issctfactoryworkshop2018.com>

The Factory Engineering and Processing Sections of the International Society of Sugar Cane Technologists (ISSCT) will be holding simultaneous co-located Workshops at Intercontinental Hotel, Cali, Colombia, from **1st to 3rd October 2018**. The Workshops will take place the week directly following the XI ATALAC-TECNICAÑA Congress (24th to 28th of September 2018), which will also be held in Cali. More information can be found at www.tecnicana.org, www.cenicana.org.

Hosts organizations

The Workshops will be jointly hosted by the Colombian Sugarcane Research Centre (Cenicana), www.cenicana.org and Colombian Sugarcane Technologists Association (Tecnicaña) www.tecnicana.org.

Technical programmes

The Workshops will include two full days of presentations and discussions; followed by a third day when there will be a visit to the Providencia and Mayagüez mills.

- **Deadline for abstracts reception has been extended to July 15th.**
- Accepted oral presentations and posters will be confirmed two weeks after submission.
- A 30-minute opening presentation for each topic is planned.
- Each presenter has 15 minutes for the oral presentation. The ones presenting the posters will have 10 minutes during the posters session.
- Abstracts and summaries for all the contributions will be distributed to participants during the Workshops and published on the ISSCT website.

The two Workshops, although at the same venue, will have different agendas. The topics are:

Processing Workshop

- Sucrose and reducing sugars (RS) losses I: Chemical, microbial and physical losses in harvesting, transport and processing of cane.
- Sucrose and RS losses II: Use of enzymes and other processing aids.
- Cane quality and its effects on processing and sugar losses.
- Chemical control, NIRS analyses and factory balances.

Engineering Workshop

- Process design and equipment selection for optimized steam and power concepts.
- Optimized asset and maintenance management with examples of long season operations.
- Designs to reduce capital cost.
- Equipment solutions for automated control of factory processes.

So far more than 20 abstracts have been accepted and more are being reviewed. The accepted abstracts are wide ranging and cover topics including:

- Methodology for capital replacement prioritizing.
- Pan boiling performance optimization.
- Online monitoring of the sugar colour for continuous centrifugals performance optimization.
- Energy integration for simultaneous sugar-ethanol & unicellular protein production.



Cali - Colombia



- Dynamic processes simulations to improve automatic control.
- Maintenance management indicators for sugar industry.
- Sugarcane quality factors - impact on sucrose losses.
- Physicochemical effects from microbial action.
- The conductivity method to estimate the true purity.

Visit to Sugar Mills (3rd October)

Participants will visit two sugar mills on 3rd October. Ingenio Mayagüez is located 30 km from Cali and Ingenio Providencia is located 47 km from Cali. Both sugar mills produce sugar, ethanol and electric energy to the grid.

Ingenio Mayagüez numbers in 2017:

- Crushed cane: 2.521.507 t
- Crushing days: 336
- Sugar produced: 295.577 t
- Ethanol produced: 67.499.987 liters
- Electric energy to the grid: 103.963 MWh

Ingenio Providencia numbers in 2017:

- Crushed cane: 3.234.191 t
- Crushing days: 334
- Sugar produced: 345.221 t
- Ethanol produced: 68.198.100 liters
- Total electric energy generated: 269.295 MWh

Abstract submission

Participants are encouraged to give at least one presentation at either of the Workshops. Please submit the abstracts to Nicolás Gil njgil@cenicana.org.

The submission must include:

- Presentation format: Oral or poster presentation.
- Section: Please indicate which workshop Engineering or Processing and the subsection in each case.
- Title.
- Authors: Include the name, affiliation, physical address, and e-mail address for

each author. The name of the presenting author should be in bold.

- **Abstract or Summary:** In the case of an abstract, which refers to a study it should include information on why it was conducted, its results, and the preliminary conclusions. It should not exceed 300 words. On the other hand, summaries regarding observations of situations in the factories that may or may not have answers or new concepts and ideas are welcomed as topics for discussion.

Language

The Workshops will be conducted in English. There will be simultaneous translation to Spanish.

Registration

The registration fee is US\$ 350. It includes the welcome cocktail, lunches, coffee breaks each day, farewell dinner, and transport to the site visit. Registration form and payment details are available at Workshops' website.

ISSCT membership

All participants must be compliant members of ISSCT for 2016-2019. Membership dues amount to US\$140. The relevant links to the membership application are on the ISSCT website: <http://www.issct.org/member.html>

Conference venue

The Workshops will be held at Hotel Intercontinental, Cali. Hotel website: <http://www.hotelesestelar.com/intercontinental-cali-un-hotel-estelar>

The negotiated room rate is for standard single room \$ 232,000/night (estimated US \$ 82) + taxes and for standard double room \$ 272,000/night (estimated US \$ 96) + taxes. This rate includes breakfast buffet, Wi-Fi connection and airport shuttle. Numerous restaurants and an upscale shopping malls are within walking distance.

Accompanying person programme

A programme will be offered to accompanying persons. It will include visits to tourist sites, to the department of Valle del Cauca including: visit to haciendas, City of





Cali, cultural venues, malls and gourmet restaurants, among others.

At least 15 participants are required for the tour. The final programme and cost will be available in the coming days at the website.

Visas

All visitors entering Colombia are required to possess a Passport valid for six months. It is important that participants check the link for information of entry visas and requirements for each country at:

<http://www.cancilleria.gov.co/colombia/nuestro-pais/visas-pais>

Request for sponsors

During the two days of the Workshops the sponsors will have an exhibition space for the presentation of their products and services that will allow them to expand their network of contacts, generate new ideas, find potential customers and generate new business.

For additional information please contact:

Jamileth Hurtado. Phone: +57- 2-6653252 or +57- 318 402 1118. E-mail:

auxiliarcomunicacion@tecnicana.org

Workshops' website

The Workshops website is:

<http://www.issctfactoryworkshop2018.com>

All information related with the registration process, visa, sponsor, etc. is available on the website.

Further information

Updated information on the Workshops will be provided on the Workshops' website. Further information is available from:

Workshops' Chair:

Nicolás Gil, njgil@cenicana.org

Engineering Section Chair:

Boris Morgenroth, morgenroth@ipro-bs.de

Processing Section Chair:

Michael Saska, drmsaska@gmail.com

Factory Commissioner:

Rod Steindl, steindlr@bigpond.com

Key dates

15th July 2018: Deadline for submission of abstracts or summaries.

31st August 2018: Closing date for Workshops registration.

1st – 3rd October 2018: Workshops



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