



**AMERICAN INSTITUTE OF
CHEMICAL ENGINEERS**

CENTRAL CAROLINAS SECTION

February 14, 2020

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General Info:

Greetings and a happy Valentine's Day to all our members! Our next meeting is scheduled for Thursday, February 20, 2020 (this Thursday), at the Waldhorn Restaurant, 12101 Lancaster Highway, Pineville, NC, (704) 540-7047. The restaurant is located off S Polk Street/Lancaster Parkway in Pineville, next to the James K Polk House. Access to the restaurant is either down Polk St (traffic) or through Carolina Place Highway adjacent to Carolina Place Mall. Directions are listed on the e-mail version, or contact G. Tyrian for additional directions. Our meeting begins at 6:15 PM, with dinner at 7:15 PM and the speaker beginning at 8:15 PM.

February 20, 2020 Meeting

We are proud to welcome Ms. Jessica Astoria, Director of Engineering with Comi Polaris Systems, Inc. located in Charlotte.

Ms. Astoria is a long time section member, a registered professional engineer, and you may remember her previous work with LCI Corporation, or Chemtex International. She has a BS in Chemical Engineering from NCSU.

Comi Polaris specializes in customized separation technologies, offering filtering centrifuges; filter and vacuum dryers; and VOC / solvent recovery systems. The topic she will be speaking on is Cryogenic Condensation and Vapor Recovery.

Cryogenic Condensation separates volatile organic compounds (VOC) from vent gases by using liquid nitrogen to cool a vent gas stream, therefore lowering the vapor pressure of the VOC in the stream while condensing them. Due to the low operating temperature, compounds can be separated into solid frosts, depending on the combination of the melting point and vapor pressure equilibrium curves allowing plants to achieve VOC abatement goals with the nondestructive advantage of nitrogen and solvent recycling.

We also have a technical paper and summary brochure that I will be happy to e-mail to interested members.

As typical for AIChE meetings, we are ordering from the menu with separate checks. If possible, please RSVP to George Tyrian by phone or e-mail to confirm the head count to the restaurant by Wednesday, February 19. If not possible, please come anyway!

Other Business:

ACS has requested volunteers for judges for an ACS special award, Excellence in the Chemical Sciences at the Region 6 Science and Engineering Fair at UNCC Charlotte on Saturday, February 22 at 7:45 AM – around 1:00 PM.

We are awarding winners and honorable mention for Elementary (Grades 3-5); Junior (Grades 6-8) and Senior (Grades 9-12) categories. The winners get a \$25 gift card and certificates. The honorable mentions each gets a certificate – we give out lots of those!

Judges are required to be registered with the event through a link registration. MAKE SURE TO MENTION THAT YOU ARE ONLY A SPECIAL AWARD JUDGE WHEN YOU REGISTER!

See or e-mail George Tyrian for more information about registration. The deadline to register as a judge is February 20.

The section was contacted by the AIChE East TN Local Section regarding their eChemExpo event. [eChemExpo](#) is an event that will be held in Kingsport, TN on April 15-16, 2020. eChemExpo is the #1 multidisciplinary applied innovation event for the process industries in 2020. This is an event that AIChE East TN section AIChE East TN supports and advertises for, as well as provides PDH credits to attendees. This year the East TN Section also plans to host a reception for attending AIChE members and area chemical engineers that are active in our section.

Please consider attending and advertising as a professional and technical development opportunity - [registration is now open](#) and is free for attendees. A [preliminary program schedule](#) has been posted as well. If you are interested in learning more about the conference and expo, e-mail George Tyrian and I will forward contact information about the event.

Please feel free to forward any meeting suggestions to me at gtyrian@cecinc.com. We are still working on a possible March meeting as well as further meetings.

Many thanks to Jamie Horton for help in arranging this meeting!

Thanks to all the members who attended the joint ACS/AIChE meeting last month at Waldhorn!

Our community website through the National section is: www.aiche.org/centralcarolinas

SEE YOU AT THE MEETING