Editor’s Message:
Hello and welcome to the 2019 Spring edition of the ISA Analysis Division newsletter. No need to adjust your glasses as this is in fact the first newsletter in which I am attempting to fill the large footprints of our previous newsletter editor, Stuart Simmonds. A huge thank you to Stuart for all of your previous work as the newsletter editor, and a personal thank you to both Stuart and Rod Merz who have been instrumental in helping changeover to this rookie newsletter editor. Rest assured, we are not letting Stuart walk away so easily, as he is transitioning to the position of Director Elect.

Once again, the calendar has flipped to April and we are gearing up for another highly anticipated ISA AD Symposium in early May in the beautiful location of Galveston, TX. The planning committee has been hard at work since early January planning this year’s symposium to provide an excellent slate of technical papers, vendor information exchange, educational training classes, and social interaction and make the Symposium a successful and memorable event. I encourage everyone attending this year’s symposium to seek out any of the planning committee members and not only thank them for the time and dedication they volunteer, but also to offer feedback for the event. We are always looking for suggestions on how to improve the Symposium and welcome fresh ideas. And as you make your travel arrangements, I encourage you to first review the full educational training program available on the Sunday prior to and the Thursday following the official Symposium technical program presentations. Industry experts offer both fundamental and advanced education courses in Process Analyzer Techniques, Advanced Sample System Design, and Chemometrics for Analyzers on Sunday while vendor experts provide a full program of hands-on information and maintenance training on Thursday.

I encourage each and every person to fully immerse yourself in the week of activities around the Symposium. There is no more talented gathering of

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Upcoming Events
May 5th - 9th, 2019 64th Analysis Division Symposium, Galveston, TX
www.adsymposium.org/symposium-2019
automation and analysis professionals and experts anywhere in the world than during the week of the Symposium and the event offers an incredible opportunity to learn, connect, and make new friends. And while the Symposium is a one-week event in the year, there are numerous ways to connect, volunteer, and participate with ISA in national, international, and local events all throughout the calendar year. I can personally attest to the rewarding experience in working with the great group of people who work diligently every year to plan the events and highly recommend getting involved in any capacity.

In closing my very first editor’s message, I would ask for any feedback and suggestions of items that you, the ISA AD community, would like to see in future newsletters.

See you in Galveston!

Tim Kuiken
ISA Analysis Division Newsletter Editor

Message from the Director:

I look forward to serving the Analysis Division as the new Director for 2019-2020. I want to give a huge thank you, to our now past director Paul Barnard. In his two years as Director his valuable contributions and service enabled the AD to retain the ISA Division Excellence Award. The pressure is on!!! Paul, will now carry on with our team as our technical program chair.

We are back in Galveston this year for the 64th Symposium. For those who have never attended it is much more than the technical papers and exhibited new technology, it is hands on training lead by the leading manufacturers, fundamentals of process analyzers, and advanced courses. I also feel, one of the more important draws from the 5 days of “Analytical Innovations & Solutions Return to the Sea” is the attendees that share knowledge and new and different applications during the social hours of this event. Monday, the technical pavilion floor will be open all day to enable engineers/techs and the students we have reached out to at the local colleges to have the opportunity to talk with different companies in our industry about their products.

We are always looking for volunteers to help us make your symposium better each year. The contributions of volunteering, writing and presenting papers, teaching a class, exhibiting equipment or registering and attending is what makes this event the best technical symposium in ISA. We would love to have you on our team no matter how much of your time you may be able to share.

You are all invited to the Sunday business meeting that is held just following the classes- join us and see what we do behind the scenes.

Looking ahead to 2020 we will be in Long Beach, California. More information to follow.

See you all soon

Cindy Cauthen
Director ISA Analysis Division (2019-2020)

Message from the Program Chair:

The 2019 ISA Analysis Division annual Symposium covers five days of technical content relating to the Process Analyzer World. The event starts Sunday with the very popular “Fundamentals of Process Analysis”, a day long training course covering six separate topics. These topics do vary from year to year, so there can be new material for previous attendees to experience. The advanced training courses offered this year are (1) Increasing Sample System Reliability by Better Design, Course Instructor Phil Harris, who has been teaching this class around the world for many years, and (2) “Multivariate Analysis for Inferentials and Analyzers, Course Instructor Dr. Brian Rohrback, who is a regular presenter and instructor at the AD symposia.

The Full Symposium Technical Program starts Monday and runs through Wednesday, with 30 peer reviewed papers on subjects of interest in today’s challenging environment for online analytics. There will be a focus on Natural Gas Applications this year, but many more papers are presented on topics ranging from water Analysis, New Developments, Management Systems, Calibrations, TDLs, pH, TOC, etc.

Tuesday program will include the annual Market Report, and an update from the international events held in the last 12 months and planned for the next 12 months.

Thursday brings more training opportunities as many Analyzer companies offer a more personalized hands on training style of interaction in a smaller classroom setting. Currently scheduled are ABB, Ametek, Cosa Xentaur, Emerson, Extrel, Siemens, and Yokogawa.

The Analysis Division will hold its annual Business Meeting on Sunday afternoon [open to all AD members], immediately after the SP76 Committee meeting. The Exhibit Hall with 80+ vendors and their products will open Sunday evening do much to see and do all week. WE hope to see you in Galveston.

Paul Barnard
Program Chair
Message from the Education Chair:

As we are returning to Galveston for the Analysis Division Symposium this year, we wanted to ensure that our Sunday Training program offered some new topics. As always, there are 3 program choices available:

- Fundamental of Process Analytics – a full day program with modules covering the theoretical and practical aspects of:
  - Fundamentals of Spectroscopy
  - Fundamentals of Oxygen Analysis
  - Fundamentals of Moisture & Dew Point Measurements (New!)
  - Fundamentals of Gas Chromatography
  - Fundamentals of pH, Dissolved Oxygen and Conductivity Measurements (New!)
  - Concepts in Analyzer Integration (New!)

The Advanced program features two courses:

Increasing Sample System Reliability by Better Design – a full day program presented by Phil Harris, this advanced course is suited for students already having a basic understanding of sample conditioning systems and their use with process analyzers. Attendees will receive a course workbook that contains all the presentation slides and detailed descriptions of the procedures used. The workbook also contains several class exercises that are completed during the course – most involving calculations.

Multivariate Analysis for Inferentials and Analyzers – a full day program presented by Brian Rohrbach, this advanced course examines a series of multivariate analytical techniques critical to the efficient operation of process monitoring and control. By the end of the course, attendees will have been instructed on chemometrics best practices and the practical application of new techniques.

On Thursday May 9th, a number of analyzer vendors will offer full and half-day hands-on training sessions. This is an excellent opportunity to learn from the people who make the equipment, as well as your peers! The following sessions are available:

**Siemens:**
- Maxum Edition II Gas Chromatograph

**Ametek:**
- Model 888 Tail Gas Analyzer Overview

**Yokogawa:**
- TDLS8000 Quick Startup, Troubleshooting and Maintenance
- TDLS8000 (AM)
- GC8000 (Gas Chromatograph) Operation and Maintenance (PM)

**ABB:**
- PGC5000 and the STAR Analyzer Management System

**Extrel:**
- Mass Spec Gas Analyzers: Operation and Maintenance (AM)
- Real-time Flare Control: A Mass Spectrometer’s Advantage (PM)

**COSA Xentaur:**
- Combustion Calorimetry for the COSA9610 and 9700 Series

**Thermo Scientific:**
- SOLA iQ Total Sulfur Analyzer

Detailed course descriptions will be available in the Symposium program. Registration is via the Symposium registration web site.

Finally, we are always interested in hearing your thoughts on course material & topics and would be delighted to find volunteers to present in these training sessions. For all such inquiries please feel free to contact me at arenesjc@novatech.ca

J.C. Arènes

Education Chair
Message from the Honors & Awards Chair:

The deadline for submitting candidates for Excellence in Service and Technical Achievement was March 31, 2019. If you have candidates for either category, now is a good time to start for next year. The deadline for Fellow nomination is April 30, 2019. There may still be time to submit a Senior member for Fellow. Remember, you must have five reference letters with your submission. We have submitted one candidate for a Service Award for 2019.

If you wish to submit a nomination for an ISA award, either Technical or Service, go to the ISA webpage (isa.org) click on Professional Development Tab, go to the column on the left and click on Get Recognized. Look at all the awards that are given by ISA and nominate a candidate. The awards are presented at the Fall Leaders Conference.

Bill Stahl
Honors and Awards Chair

AD-2019 Galveston, TX Headline News:

Cindy Cauthen is our new Director ISA Analysis Division and returning Symposium Chair for the 2019 ISA AD Symposium.
Details of the 64th annual AD Symposium are posted on the website with updated information as it becomes available.

Call for Papers:
The 2019 Symposium Technical Program has been filled. Please keep and eye on the website for details of the 2020 Symposium call for papers in early January (www.adsymposium.org).

Hotel(s)
The conference hotel is the Hilton Galveston Island Resort, right next door to the convention center. Book early if you expect to have space here. As with other conferences we will have overflow space at adjacent properties.

Technical Program
The preliminary program is on the website. There will be the usual three full days of peer reviewed papers.

Educational Programs:
The Fundamentals courses and the Advanced courses will be held on Sunday prior to the symposium. The schedule is posted on the website. The Hands-On courses will be held on the Thursday, details are also posted to the ISA AD website.

Vendor Technical Forum:
Shana Kiser is our Vendor Chair. We expect 90+ vendors and registration information is available on the website and also by contacting Shana.

Banquet and Keynote Speaker:
The banquet will be held on Tuesday night. The Banquet sold out early last year, be sure to sign up for your tickets when you register.

Spouses Program
There will be a full spouses program; details will be available on the website.
Our Supporting Sponsors

The AD invites vendors who participate in the technical forum at the AD to support the newsletter. We know there is keen competition for their promotion budget. They have chosen to contribute to the Newsletter and underwrite the special projects we fund with the proceeds. In addition, each year at AD a standing committee makes an award for the “Innovative Product of the Year,” and this year’s recipient is the Icon Scientific Cetane Number Analyzer. They carry title to the award for one full year and receive a full page space in the Newsletter which you see following.

We thank all of our supporting sponsors for their generosity and innovation. If your company is interested in a placement please contact the newsletter editor.

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