First I would like to thank Randy Hauer for his dedication in getting this newsletter out on time. With the AMETEK marketing resources and his persistence in gathering information, there is a Newsletter. It has been a pleasure to work with so many people at ISA over the years. I have truly been blessed by just knowing them all. If you would like to volunteer for the Newsletter Editor position, please let me or Randy Hauer know. I have enjoyed the opportunity to be your Newsletter Editor and it is with gratitude that I resign my position and welcome the next Editor, maybe you?

If you would like to become the next Editor, please email me at: Annie.Crabtree-Smith@c-a-m.com or Randy Hauer at: randy.hauer@ametek.com.

Annie

Annie B. Crabtree-Smith, Newsletter Editor
Sales Manager
Cameron’s Measurement Systems, Process Analytics
Ph: 832-275-5298
who consented to be our general chair to lead the team and Don and Manny who crafted a program of three education elements (Fundamentals, Advanced and Hands-On courses). The technical program is at the core of it all and as Ken Conrad once said "no papers, no symposium". For that we have Paul Barnard and Mike Chaney to thank for assembling an outstanding program once again.

Our overall attendance figures were a record or near record, however the AD does not measure success on numbers alone. It has always been our charter to organize a Symposium that leads, above all else, with a strong technical program. We believe attendance and vendor participation will follow and that has proved to be the path to our success. What is significant from this year's Symposium is attendance from 15 countries in addition to USA and Canada. A full 30% of our papers were presented by authors from our international audience and that in itself is very gratifying. We were also honored to have Bob Lindeman, ISA President sit in on the Tuesday program, join us for the banquet with his wife Sandy and present a key note dinner speech.

Two of the Education elements deserve mention this year;

Each year the Education Chair puts a great deal of thought to tailor an "advanced" topic that will capture the interest of all analyzer professionals, a marquee opening act. This year's Sunday "advanced" course presented by Tony Waters was an outstanding success, we were practically overwhelmed by the registration. Tony is widely known to the international analyzer community for his comprehensive course on sample handling. Tony accepted our invitation to compress the essential elements of his one week course into a comprehensive one day program, no easy task, for which we say a hearty Thank You. How did we repay Tony for his generosity? It is somewhat well known Tony has been working on a comprehensive text book on the subject so we invited him back to Galveston for AD 2013 to launch the publication and sign books. That's Tony smiling in the picture, not certain if that was before or after the challenge was accepted.

There was an additional element added this year; "Hands-on" training courses, an idea Mike Chaney brought to the organizing committee. We ran this as a pilot program, four of the vendors stepped up to provide content and we plan to repeat it for AD 2013. This element brings something beyond the learning experience, it connects the technician to the engineer to the scientist. All of us arrived in this profession almost by whimsy, we all bring something to the mix and we do not make distinctions as to how we got here. If the AD is anything, it is egalitarian and when we can gather the full range of professionals in one room, magic happens. Look for the AD to expand upon this.

I would like to close my message by appealing to the notion of volunteering, of putting in more than you take out. You will have seen from Annie's message that she is stepping down as newsletter editor. Not because she is tired or too busy, but as she said "so someone else can come in and improve upon it, bring fresh ideas." So think of that, if you enjoy being a member of a truly great profession, if you are fairly certain this is your life's work (it is) then think of how you can contribute. We make a living by what we get but we make a life by what we give. The Analysis Division continues to evolve, adapt, find
the best ways to serve our profession and is based on the strength of the many. Be one of the many.

Thank you all

Randy Hauer
Director ISA Analysis Division (2011-2012)
E-Mail: randy.hauer@ametek.com

Anaheim 2012 Symposium, General Chair,
Sandra Krauthamer’s Message:

Thank you for attending the ISA Analysis Division Symposium in Anaheim, CA!

The conference, with its technical content, courses, and vendor displays, attracted diverse and committed participants from around the globe (17 countries). It was a very full 5 days from beginning to end. We had a total of 222 individual registrants with 139 people in the general session. On Sunday there were 22 in the Fundamentals course and 50 in the advanced course on “Increasing Sample System Reliability by Better Design”. Thursday was set aside for vendor hands-on courses on GC and O₂ analyzers with over 20 people in attendance.

Now that AD 2012 has concluded for another year, I’d like to take this opportunity to thank everyone who played a part in making AD2012 the success that it was.

To the presenters—of papers, of panels, keynote speaker, and trainers: your contributions are what made the content of AD2012 so rich. You provided attendees the opportunity to learn about technology and research relevant to our careers. You gave some insight to our professional society and how it is evolving;

To the vendors: The Technology Pavilion was a success with 49 displays of technology, solutions, and innovation. Your support enhanced the conference by providing additional learning and networking opportunities during the day and evenings—we couldn’t have done it without you! Your support for AD is greatly appreciated, and we thank you;

To members of the organizing committee: The teamwork and commitment of the volunteers was incredible. Many long hours went in to the development of the program, the website, the planning of vendor technology pavilion, the coordination for the spouses program, registration, and all the logistics that are part of managing a conference of this magnitude;

Special Thanks to the Following:

Paul Otteman   Randy Hauer
Rodney Jones   Michelle Englebaugh
Dale Merriman  Kim Gordley
Paul Barnard   John Querido
Michael Chaney Mark Snookal
Don Nettles     Manny Alvarez
Phil Harris

Again, thank you to everyone who supported AD 2012. I sincerely hope that you enjoyed the conference and that it was relevant and informative. It was great seeing familiar faces and meeting new friends at this year’s annual Symposium in Anaheim, California and hope to see you at AD 2013 in Galveston, Texas!

Until then, I wish you the best.

Sandra Krauthamer
AD2012 Conference Chair
Education Chair’s Message:

The 2012 Analytical Division meeting was once again a smashing success. The courses this year clearly benefited from the quality of the instructors, and the active participation of the attendees. The courses continue to provide the community of practice with the insights and collective experience of seasoned veterans in the profession. The practical knowledge and skills gained at the courses enhance the competence and effectiveness of all those that attend. This year the AD courses provided both fundamentals, advanced training and brand specific hands on instruction. We look forward to continued success by providing valued instructional opportunities to the community. Most of all, we want to thank the instructors for the quality material and their dedication, and, to the participants for making the courses such a resounding success.

Manny Alvarez / Distinguished Engineering Associate
Analyzer Systems
ExxonMobil Research & Engineering Co.
Measurements & Automation Projects Section
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Publications Chair’s Message:

Anaheim AD2012 gave us the opportunity to hear from authors from around the world - Australia, Canada, Norway, France, Ireland, England, Scotland, Germany, South Korea, Brazil, Israel, and the US. All in all, an excellent three day program including a contribution from our ChemPID sister division.

The 2012 GTFK winners represented a wide variety of topics – Component reliability at elevated temperatures, circuit board corrosion testing, and a novel fluorescent probe style analyzer. The winning papers were:

- **3rd Place**: ISA Standard 71.04: Changes Required for Protection of Today's Process Control Equipment by Chris Muller, Purafil, Inc., Doraville, Georgia, USA, Dave Ruede, Purafil, Inc., Doraville, Georgia, USA and Grant Crosley, Visy Pulp & Paper, Campbellfield VIC Australia.

- **2nd Place**: Process Applications of a Phase Fluorometric Oxygen Analyzer by Phil Harris, HariTec and Melvin Thweatt, Barben Analyzer Technology.

- **1st Place**: Ambient Temperature Testing Issues for Process Analyzers by Bob Farmer, Udo Gellert, Ty Campbell, Siemens Industry, Inc.
All of our esteemed authors have our thanks for their contributions. If you are feeling the need to join the ranks of award winning presenters, the Call for Papers for AD2013 in Galveston will go out in September. Mark your calendars!

Paul Barnard, Ph.D.
Analyzer Technology and Engineering, Manufacturing Engineering Support Americas – LyondellBasell
Paul.Barnard@lyondellbasell.com

58th Analysis Division Symposium Call for Papers

The 58th Analysis Division Symposium will be held 14-18 April 2013 in Galveston, TX. The call for papers has been released and can be found on the AD Website:

http://www.adsymposium.org/Call_For_Papers/Call_For_Papers.htm

We are five months in advance of the deadline to submit (Nov 23) but we do expect to be over-subscribed once again this year. We also appreciate vendor participation in a paper is highly desired and permission for the vendor to do so takes ample time. With that in mind it is not too early to be working on this in earnest.

Webmaster’s Message:

The ISA Analysis Division website has proven to be a valuable method to communicate to our membership. Over the past year, we have seen a tremendous increase in the website traffic, exceeding 5000 hits in the month of April, 2012. In the next year, we will continue to improve and build on the firm base we have established, and add additional information such as technical papers from past conferences, power point presentations, etc. Keep visiting at http://www.adsymposium.org regularly as you never know when the latest update has been done!

We have also established ourselves as a significant presence on LinkedIn, where the Analysis Division group has almost 500 members. Join us now by clicking here http://www.linkedin.com/groups?gid=4152367&trk=myg_ugrp_ovr

Phil Harris BSc MSc, Webmaster
Manager, Applications Engineering
AMETEK Western Research
The AD community received the sad news that our good friend Don Mayeaux passed away on May 3. There are hundreds upon hundreds of people who met and knew Don in his professional capacity. Don was very public about his struggle with ALS. It was very kind of Don and the family to invite us to communicate with Don on the "Caring Bridge" web site as it became more difficult for Don to do so. Don was many things; Inventor, Boffin, 1st Class Gentleman, Mentor and just always the friendliest guy in the room, any room.

The Mayeaux family wanted everyone to know how much they appreciated all of the feedback they received. They posted the following message on their company web site and wanted to let everyone know of Don’s wish to bring attention to the importance of donations to ALS research. Always giving back is what Don was all about.

*It is with great regret and sorrow that we inform you of the passing of our founder and patriarch, Donald P. Mayeaux. A visionary in life, Don started A+ Corporation and in doing so, changed the face of gas sampling. In that same respect, he changed the lives of those he came in contact with. He was a bright, fun loving man who entertained all he met and left his mark on the world which is a better place because of him. He will be greatly missed not only by family and friends but by our industry as a whole.*

*In lieu of flowers, donations can be made to:*

**MDA-ALS Research Fund**  
Department of Neurology  
Methodist Neurological Institute  
6560 Fannin St., Suite 802  
Houston, TX 77030

Many of us knew Don through his many contributions to the ISA Analysis Division. He was an ISA Fellow, awarded this honor for his intellectual generosity to his profession. He presented many papers at the ISA Analysis Division Symposia and always spoke to a packed house, everyone wanted to hear what Don had to say. He will be dearly missed in all regards. We are all grateful for having the privilege to know him.
A Special Thank You to a couple of people who made this issue of the Newsletter possible.....

**Debby Lato at AMETEK** kindly stepped in to format the Newsletter so it could go out before summer break. Annie was called out of the country on business for three weeks. Debby is in the marketing group and works with Adobe all the time. She said "send it over and don't hold me up". When you want something done fast, you give it to a busy person.

**Bob Farmer at Siemens;** where does the man find time to put together and present the #1 GTFK paper and be everywhere during AD to take 300 pictures (and how did he manage to take his own picture receiving the award from Paul)? In addition to the photos you see in the Newsletter, Bob's entire photo essay is available for viewing on the AD website.

Good Causes and an Innovative Product

You have not quite finished reading the newsletter. Before you turn the page, it is worthwhile to know why the AD solicits supporting sponsors, why the vendors contribute and to let you in on the Innovative Product of the Year award.

**Our supporting sponsors:** The Analysis Division funds some very deserving causes that would otherwise go wanting. In the last six months we made good on the commitment to two of our Luft award winners by funding the Honorarium as outlined in the charter for the society award. This not only feels good, it feels right. The AD solicits vendors who have participated in the AD Technical Pavilion, who have already shown their generosity by underwriting the food and hospitality at the Symposium and ask if they want to support worthy causes we deem important. We know there is keen competition for each and every marketing dollar and they choose to set aside a small sum for the AD, to have their company mentioned here and be known for their generosity. We thank them.

**Innovative Product of the Year:** Each year at the Symposium, a select committee of three past directors who are also end users, visit each of the vendors at the Technical Pavilion to ask them about their most significant product development of the last 12 months. This year's winner is Mettler Toledo. In addition to having claim to the title, we provide a full page of space in the Newsletter for the award winner to showcase the product. You will find this on the anchor page.
We hope you enjoyed this issue of the ISA AD Newsletter.

Look for the next issue coming Winter 2012.
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**Probe-Style Tunable Diode Laser**

**Technical Specifications**

- Revolutionary Probe-Style design comes in three insertion lengths—290, 390 and 590mm.
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- The folded path length and probe design allow installation in pipes as small as 4" in diameter.
- A local display comes standard. The M400 transmitter displays a primary and secondary reading, such as % oxygen concentration and temperature. It also accepts temperature and pressure inputs as these need to be compensated for to get accurate oxygen readings.

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Example of a typical installation

Example of an installation in a small diameter pipe

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