

ACS - DAC DIVISION NEWSLETTER May 2013

A LETTER FROM THE CHAIR



Dear Members,

Thanks for your continued support, especially in this, our 75th anniversary year. The proud history of the Division of Analytical Chemistry parallels that of our field. You will find highlighted in this newsletter several activities that highlight our anniversary. We hope that you will become involved in an active way in this celebration.

Our program chair, Thom Rossi, has planned an exciting program for the Fall ACS meeting in Indianapolis, September 8-12. We hope that your schedule will allow you to attend. The program and schedule of sessions is included in this newsletter to help you plan your trip. Special highlights include a Tuesday morning section highlighting progress in the four fundamental areas of analytical science, the Division's award symposium on Tuesday afternoon, and a Tuesday evening reception to celebrate our 75th anniversary – we so hope that you will be able to join in the fun.

Please note below the call for proposals for outreach projects from both graduate and undergraduate institutions for activities that will inform the chemistry community and the public about the history and impact of analytical chemistry.

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- Indianapolis ACS meeting
- SciX/FACSS
 - SciX/FACSS Sept. 29-Oct. 4 (poster abstracts due July 31st, oral abstracts due May 24th)
 - Call for Student and Professional Award Nominations
 - FACCS adds new society – CNIRS

(Thank you to Anna Cavinato, Roland Hirsch, Cindy Larive, and Bonner Denton for their contributions to this newsletter)

75TH ANNIVERSARY GRANTS FOR OUTREACH PROJECTS

The Division is interested in supporting outreach projects that will inform the chemistry community and the public about the history and impact of analytical chemistry. The

Division will provide up to \$500 each for up to five projects at undergraduate institutions and up to five projects at graduate institutions. Applications may be submitted by a group of institutions, such as a regional Younger Chemists Committee or Student Affiliates group. Projects could consist, for example, of a plenary lecture or symposium; an activity designed for pre-college students or the general public; or a field experience involving analytical measurements. Applications may be submitted by a group of institutions, such as a regional Younger Chemists Committee or Student Affiliates group. Applications can be submitted by email to clarive@ucr.edu and must be received by September 30, 2013. Funding decisions will be communicated by Oct. 15, 2013. Please note: Honoraria will not be supported.

PITTCON 2013

March 17-21, 2013 marked the annual gathering of the Analytical Chemistry community for Pittcon, held this year in Philadelphia. In addition to the wealth of interesting talks, there also were opportunities to meet fellow division members at a number of functions sponsored by the division.

HAPPY BIRTHDAY TO THE DIVISION OF ANALYTICAL CHEMISTRY!



The Division celebrated its 75th birthday on Tuesday, March 18th at Pittcon with cake and beverages. Above our President, Cindy Larive, shows off a cake with our division logo, while at right, Maureen Quaranta and Len Poirer, who represented Shimadzu Instruments, proudly display a second cake showing their logo at the celebration.



Of course, the cakes did not survive for long after attendees arrived. (Feed them and they will come...)

The Division wishes to extend a special “Thank you” to Shimadzu for their ongoing generous support.

It was great to see all of you who found the time in your busy week to join the anniversary celebration.

DIVISION RECEPTION

Division members met again later on Tuesday to catch up with friends, colleagues, and former students at the Division reception held at the Loews Hotel. Food and drink, as well as opportunities to discuss chemistry (and other topics) abounded.



SUBDIVISION OF CHROMATOGRAPHY AND SEPARATIONS PRESENTS YOUNG INVESTIGATOR AWARD TO KEVIN SCHUG



Pictured above (left to right) are Vince Remcho, Oregon State(speaker), Helen Stimson, VP, Agilent Technologies, Inc. (Award Sponsor), Brian Bidlingmeyer (Agilent; immediate past chair of the subdivision, Young Investigator Award Coordinator, and Session Organizer), Kevin Schug, University of Texas at Arlington (Awardee), Sandy Dasgupta, University of Texas at Arlington (Speaker), Tim Crowley, FDA (speaker), and Michael Laemmerhofer, (University of Tuebingen, Germany (Speaker).

On Wednesday, the DAC Subdivision of Chromatography and Separations presented the ACS Division of Analytical Chemistry Award for Young Investigators in Separation to Kevin A. Schug of University of Texas at Arlington. The award, sponsored by Agilent Technologies and administered by the Analytical Division of the American Chemical Society, recognizes and encourages outstanding contributions to the field of separation science by a young chemist or chemical engineer within ten years of their highest degree. Kevin is Shimadzu Distinguished Professor of Analytical Chemistry in the Department of Chemistry and Biochemistry at the University of Texas at Arlington. Kevin received his B.S. degree from College of

William and Mary, his PhD from Virginia Tech, and performed post-doctoral research at the University of Vienna.

REPORT FROM THE DAC EXECUTIVE COMMITTEE MEETING

The Executive Committee met at PITTCON in Philadelphia on Monday March 18th. After approval of previous minutes, Program Chair Thom Rossi provided a summary of the ongoing program at PITTCON as well as of the upcoming ACS meeting in New Orleans. For the first time the Division of Analytical Chemistry held joint sessions with AAPS. The poster session was also well attended with hundreds of people cycling through the posters. Most likely the Division will continue co-sponsorship with AAPS at future PITTCON meetings. Susan Olesik, Chair Elect, reported on the plans for the fall meeting in Indianapolis. A reception will be held in a location to be determined. David Koppenaar, past Chair, announced the recipients of divisional awards and stated that planning of award symposia in Indianapolis is under way. Cindy Larive, Division Chair, reported on the 75th anniversary celebration activities and announced that Roland Hirsch has prepared a very nice article about the history of the

Division. A virtual issue of the journal *Analytical Chemistry* is being prepared that will highlight top articles of the last 75 years. The Division also sponsored a slide competition inviting students to highlight accomplishments over the years in the field of Analytical Chemistry. Ten slides have been selected and are on display in the Division exhibit booth. Of these, eight have been selected to receive \$500 travel awards to attend the ACS meeting in Indianapolis. A second contest will take place in June and will provide support to undergraduate institutions proposing projects related to analytical chemistry. The deadline for submission of those projects is June 1.

Anna Cavinato, Secretary, reported that the annual report was submitted in February along with the financial report. The submission was smooth and Anna thanked the EC for providing information for the report. Michelle Bushey, Treasurer, provided a summary of the budget. Additional reports were provided by the Financial Committee, Councilors and the Business Office through Miquela Sena. Miquela stated that activities that were performed between September and March focused on the division awards and upcoming Pittcon activities including design and production of the new exhibit booth display and the 75th anniversary activities.

The Subdivision of Chromatography and Separation Science, represented by Brian Bidlingmeyer, reported that a gift agreement was submitted by Sut Ahuja sponsoring the SCSC Young Investigator Award in perpetuity. The EC voted unanimously to endorse the gift and to rename it the Dr. Sut Ahuja Young Investigator Award in Separation Science. The award will be in place once the Subdivision approves the gift agreement.

Additional Committee reports included graduate awards chaired by Paul Edmiston and Emily Niemeyer, membership chaired by Stephen Scypinski, newsletter chaired by Faye Rubinson, and web chaired by Roland Hirsch. Reports were also presented by FACSS delegates Bonner Denton and Charles Wilkins and EAS delegate Brian Bidlingmeyer.

In additional business, the EC approved a donation towards the Chemistry Merit Badge at the National Scout Jamboree and discussed nominations for ACS Fellows.

ACS – NEW ORLEANS

April 7-11 in New Orleans saw the community convening again. In addition to a variety of oral, poster, and invited technical sessions, the Division programming also included symposia recognizing three National award winners.

ACS DAC AWARDS AT THE SPRING ACS MEETING

Isiah Warner was honored with the 2013 ACS Award in Analytical Chemistry, sponsored by Battelle Memorial Institute. Isiah, Louisiana State University, was recognized for his wide-ranging contributions across the spectrum of analytical chemistry – molecular



2013 recipient Isiah M. Warner (center) is presented his award by sponsor representative Michelle V. Buchanan (right) and ACS President Marinda Li Wu (left). *Photo courtesy of American Chemical Society, 2013.*

spectroscopy, separations, and both development and applications of nanomaterials. The Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry, sponsored by Waters Corporation was presented to David Russell of University of Tasmania, Australia. His research focus has been the identification and characterization of complex biological molecules. Paul Haddad, Texas A&M, was the recipient of the ACS Award in Chromatography, sponsored by Supelco/Sigma-Aldrich. Paul's contributions to chromatography have centered on the development of new methods for the analysis of small species such as inorganic ions and low-molecular-weight organic acids and bases.



2013 recipient Paul R. Haddad (center) is presented his award by sponsor representative Paul Ross (right) and ACS President Marinda Li Wu (left). *Photo courtesy of American Chemical Society, 2013.*

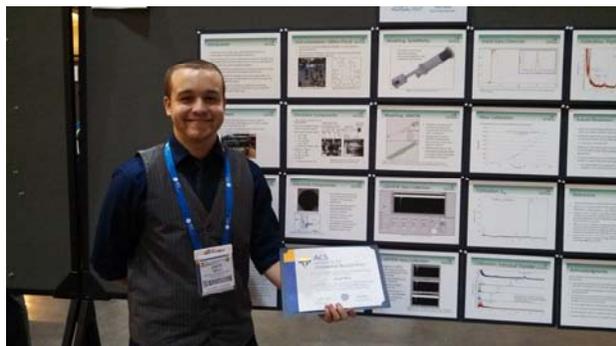


2013 recipient David H. Russell (center) is presented his award by sponsor representative Tyler Tull (right) and ACS President Marinda Li Wu (left). *Photo courtesy of American Chemical Society, 2013.*

....AND THE NEXT GENERATION - UNDERGRADUATES PRESENT POSTERS AT ANALYTICAL DIVISION POSTER SESSIONS

Undergraduates from several groups participated in the ANYL and CHED (ANYL) poster sessions in New Orleans on Monday and Tuesday, respectively. Over the course of the two sessions, a total of 190 students presented their work and were awarded

certificates for their excellent work. Among those presenting were the students pictured on the next page. Top left - Georgia Boles of University of West Florida; top right - Jabari Henriques from North Carolina Agricultural and Technical State University; bottom left – Joseph Brice, also from University of West Florida; and bottom right - . Yasmeen Williams and Akeem McAllister from Walter Sisulu University, South Africa.



START YOUR ENGINES! DAC PROGRAM IN PLACE FOR FALL ACS MEETING - INDIANAPOLIS

The Division will have a wide variety of technical programming for the Fall National ACS meeting to be held September 8-12, 2013 in Indianapolis, IN. The meeting will be held at. Registration and housing will open on May 29th. Technical sessions will run from Sunday morning through Thursday afternoon, with the DAC Awards session being held on Tuesday afternoon, September 10th. This session will recognize several luminaries in our field: Ryan Bailey, Peter Carr, Andrew Ewing, David Walt and Charles Wilkins. This symposium will follow a Tuesday morning session organized by Dennis Peters highlighting recounts of the four “fundamental” areas of analytical science over the last 75 years by Graham Cooks, Milos Novotny, Bill Heineman, and Gary Hieftje. To top off the day, Tuesday evening the Division has planned a special reception to celebrate our 75th anniversary.

Sunday	AM	Analytical Challenges and Applications of Nanomaterials I
		Pharmaceutical Analysis
	PM	Analytical Challenges and Applications of Nanomaterials II
		General Posters
Monday	AM	Analytical Methods in Forensics*
		Optical Spectroscopy of Proteins*
		Electroanalytical Measurements I
	PM	Analytical Techniques for Homeland Security
		Nanoscale Analytical Chemistry*
		Electroanalytical Measurement II
Tuesday	AM	Analytical Chemistry of Homeland Security
		Mass Spectrometry: New Ionizations and Reactions*
		75 Years of Analytical Chemistry*
	PM	ACS Division of Analytical Chemistry Awards*
		Micro/Nanofluidics: Fundamentals and Applications*
		Frontiers in OMICS*
Wednesday	AM	Advances in Analytical Spectroscopy I
		Advances in Ion Mobility Spectrometry and FAIMS*
		Terahertz Spectroscopy: Problem Solving for the 21 st Century
	PM	Advances in Analytical Spectroscopy II
		High Resolution Microscopy for Bioanalysis*
		Portable Instrumentation for Chemical Analysis
	E	SciMix
	Thursday	AM
		Developments in Mass Spectrometry
	PM	Capillary and Microfluidic Platforms for Bioanalytical Measurements
		Analysis of Living Systems: In Vivo and In Vitro

* Invited sessions

SciX and FACSS

2013 SciX/FACSS MEETING:

The 2013 meeting of the Federation for Analytical Chemistry and Spectroscopy Societies will be held September 29-October 4 at the Hyatt Regency Milwaukee Hotel and the Delta Center, Milwaukee, WI. Housing and travel information is available at SciXCONFERENCE.ORG. The focus of the 2013 meeting is Green Chemistry.

The deadline for submission of abstracts for oral presentations is **May 24th** and abstracts will be accepted for poster presentations through **July 31st** (which is also the deadline for revisions to abstracts). To submit your abstract, please visit the SciX/FACSS site at <http://www.scixconference.org/program/papers-submission>

NOMINATIONS INVITED FOR FACSS PROFESSIONAL AWARDS

These awards are presented to outstanding scientists in analytical chemistry and spectroscopy at the SciX conference presented by FACSS. Awards symposia are organized at the meeting to highlight their contributions to science. More information on the awards can be found at <http://www.scixconference.org/awards>.

The Charles Mann Award for Applied Raman Spectroscopy is presented annually at SciX conference presented by FACSS to an individual who has demonstrated advancement(s) at FACSS in the field of applied Raman Spectroscopy.

The ANACHEM Award is presented annually by ANACHEM to an outstanding analytical chemist based on activities in teaching, research, administration or other activity which has advanced the art and science of the field.

The Applied Spectroscopy William F. Meggers Award is given to the author(s) of the outstanding paper appearing in Applied Spectroscopy.

The Ellis R. Lippincott Award is given by OSA, SAS and the Coblenz Society to a scientist who has made significant contributions to vibrational spectroscopy.

The Lester W. Strock Award is given by the New England Section of the Society of Applied Spectroscopy in recognition of a selected publication of substantive research in/or application of analytical atomic spectrochemistry in the fields of earth science, life sciences, or stellar and cosmic sciences.

The Craver Award is given by the Coblenz Society to recognize young individuals who have made significant contributions in applied analytical vibrational spectroscopy.

TOMAS A. HIRSCHFELD AND FACSS STUDENT AWARDS –

The deadline for nominations for Student Awards has been extended to **May 24**. These awards recognize the most outstanding -papers submitted to the conference by a graduate student. Recipients will receive economy travel to the meeting, complimentary registration, and complimentary hotel accommodations (as deemed appropriate). In order to be considered for designation as a Tomas A. Hirschfeld or FACSS Student Award, the student must submit a paper to be presented at the SCIX 2013 conference.

The student must complete the general paper submission form on the FACSS website (<http://www.scixconference.org/index.php/awards/facss-2012-student-award-and-tomas-a-hirschfeld-award>), check the box indicating these awards, and submit the following electronically to facss@facss.org

- a 250 word abstract of the work to be reported.
- two letters of nomination, one by the student's mentor.
- a copy of the candidate's resumé.
- a copy of the candidate's graduate transcript
- copies of reprints and/or preprints of research accomplished.

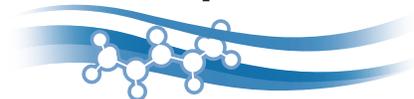
COUNCIL FOR NEAR-INFRARED SPECTROSCOPY JOINS FACSS

The Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) is pleased to announce that at its recent Governing Board meeting in March the Council for Near-Infrared Spectroscopy (CNIRS) was admitted to the federation as a full member organization.

With the addition of the Council for Near-Infrared Spectroscopy (CNIRS) to the federation's existing member organizations, FACSS is now twelve members strong. The other FACSS member organizations include the AES Electrophoresis Society, Division of Analytical Chemistry of the American Chemical Society, American Society for Mass Spectrometry (ASMS), ANACHEM, the Coblenz Society, the Infrared and Raman Discussion Group (IRDG), the International Society for Automation (ISA) – Analysis Division, the North American Society for Laser-Induced Breakdown Spectroscopy (NASLIBS), the Royal Society of Chemistry (RSC) Analytical Division, the Society for Applied Spectroscopy (SAS), and the Spectroscopical Society of Japan (SpSJ). This expansion reflects a unique element of FACSS and its annual North American meeting, SciX, in that all areas and aspects of analytical chemistry are welcomed, bringing together leading scientists from many disciplines for scientific exchange.

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ASMS

June 9-12th, Minneapolis, MN
Booth# 66

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June 16-20th, Amsterdam (Netherlands)
Booth# A19

[See our Poster Schedule](#)



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