



**Division of Environmental Chemistry**  
**Executive Committee Meeting**  
**CONSOLIDATED MINUTES**

Sunday, August 10, 2014

San Francisco Marriott Marquis, Pacific Room J



## EXECUTIVE COMMITTEE MEETING AGENDA

ACS Division of Environmental Chemistry (ACS ENVR)

August 10, 2014

Pacific Room J, San Francisco Marriott Marquis

248th ACS National Meeting, San Francisco, CA

(Next meeting: March 22, 2015, Denver, CO)

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- V. [10:00pm] Programming (*Al-Abed, Dionysiou*)..... 9
  - A. 248th National Meeting – ENVR 100th Anniversary, San Francisco, CA, August 10-14, 2014 (*Dionysiou*) – Exh. V.A ..... 9
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  - A. Archival (*Turoski*)..... 9
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**EXECUTIVE COMMITTEE MEETING MINUTES**

ACS Division of Environmental Chemistry (ACS ENVR)

August 10, 2014

Pacific Room J, San Francisco Marriott Marquis

248<sup>th</sup> ACS National Meeting, San Francisco, CA

(Next meeting: March 22, 2015, Denver, CO)

**I.** [7:30pm] Call to Order, Introduction, Attendance, Corrections to Roster (*Williamson*) –  
Exh. I**A.** Attendance (not alphabetized)

Aditya Savara, Lindsey Welch, Tracy Williamson, Xiaoping Pan, Martha Wells, V. Dean Adams, Allan Ford, Alan Elzerman, Ken Smith, Jillian Goldfarb, Dion Dionysiou, George Cobb, Jurgen Exner, Rafael Luque, Alex Orlov, Peney Patton, Sherine Obare, Jennifer MacLachlan, Rafa Luque, Alina Balu, Carol Sze Ki Lin

**B.** Introductions**II.** [7:35pm] Administrative Items & Announcements**A.** Awards & Recognition (*Williamson*)

## 1. ACS Fellows

*a) Laura McConnell was chosen as a 2014 ACS Fellow for Bayer CropScience. An official announcement with the complete list of 2014 ACS Fellows appears in the July 14, 2014 issue of C&EN.*

2. There are solicitations for several awards details are available from Tracy Williamson.

3. DAC has noted that industrial chemists and women are underrepresented in national awards.

4. C.E. Gonter Student Awards – Exh. II.A.2

5. Undergraduate Student Awards – Exh. II.A.3

6. Certificate of Merit Awards – Exh. II.A.4

**7. ChemLuminary Award – Exh. II.A.5**

<http://analyzersource.blogspot.com/2013/10/national-chemistry-week-comes-to-cape.html>

**B.** Election Results (*Savara*)

1. Councilor (2 up for election, 2 elected):
  - a) *Alan Elzerman*
  - b) *Martha Wells*
2. Alternate Councilors (2 up for election, 2 elected)
  - a) *Souhail Al-Abed*
  - b) *Kenneth Smith*
3. Members-at-Large (4 up for election, 4 elected)
  - a) *Allan M. Ford*
  - b) *Jillian Goldfarb*
  - c) *Edward Kolodziej*
  - d) *Alexander Orlov*

**III.** [7:45pm] Reports

**A.** Secretary (*Savara*)

1. Minutes from previous meeting
  - a) *Distributed to committee by email on July 24, 2014*
  - b) *Motion to approve the Executive Committee Spring Meeting Minutes as distributed.*  
*Moved: Allan Ford*  
*Seconded: Alan Elzerman*  
*Motion Approved*
2. Interim actions
  - a) *Motion to support ANYL sustainability of critical materials symposium for \$500. Motion approved. [No line item specified. Annual budget will be modified accordingly.*

**b) Motion to allocate up to an additional \$21,400 in support of the Division's centennial activities and programming at the 2014 ACS National Meeting in San Francisco. Motion approved. [Annual budget will be modified accordingly.]**

3. Dues for following year:  
In the Business meeting directly prior to this meeting (fall 2014), a motion to drop the \$4 surcharge for foreign addresses and keep other dues unchanged was made and passed.

**B. Treasurer (*Pan*)**

1. Treasurer's Report – Exh. III.B.1
2. Bank Report – Exh. III.B.2
3. 2013-14 Budget & Actual– Exh. III.B.3
4. 2015 Proposed Budget – Exh. III.B.4, available at meeting  
The 2015 Proposed budget was presented, and is similar to the 2014 budget, with the following large changes: the centennial activities are not in the 2015 budget, and the strategic planning workshop is in the 2015 budget.  
Motion to approve the 2015 proposed budget, amended to have a tentative \$21,575 influx from the investment account listed in order to have a balanced budget.  
Moved: Ken Smith  
Seconded: Dean Adams  
Motion Passed.

**C. Business Office (*Patton*) – Exh. III.C**

Highlights:

1. The new abstract submission system is going to be excel spreadsheet based, and is expected to save time and effort during organization.
2. Emails to the division have become easier and faster (less red tape, division can send emails directly instead of going through ACS national).

**D.** Investment Committee (*Elzerman*) – *Exh. III.D, available at meeting*

1. Motion to separate the Hancock Account from the Division Account and transfer the appropriate money into the new Hancock Account.

Moved: Aditya Savara

Seconded: Martha Wells

Motion Passed

2. Motion to change the names on both of the Fidelity accounts to Kenneth Smith, Jurgen Exner, Alan Elzermann, and Xiaoping Pan.

Moved: Aditya Savara

Seconded: George Cobb

Motion Passed

**E.** Chair (*Williamson*)

1. Graduate and postdoc reception is 7:00 PM on Monday at the convention center Hall E room 135.

2. Letter from 2015 ACS President communicating that nanotechnology will be a theme that is encouraged for the 2015 Spring national meeting in Denver.

3. DAC Innovative Project grants: 12 proposals were received, ENVR proposals have been awarded almost every time submitted.

**F.** Council Items (*Elzerman, Wells, Adams, Exner*)

**IV.** [8:45pm] Executive Committee Business

**A.** **Old Business**

**B.** New Business

1. Ticket Prices for Division Receptions:

*a) Price has been \$10. May need to be raised. For San Francisco (248<sup>th</sup> national meeting) the price was raised to \$25 (regular) and \$15 (student)*

(1) Typically includes 2 drink tickets, which costs us \$10-15 for the drinks alone.

(2) \$20 is consistent with what other divisions charge

(3) Consider having a higher price for non-members which includes a year of division membership

(4) Motion to increase the cost of Reception tickets to \$20.

Moved: Ken Smith

Seconded: A. Savara

Motion Approved.

(5) Motion to increase the cost of Reception tickets to \$30 for attendees that are not division members, if possible and not too cumbersome,.

Moved: A. Savara

Seconded: Dean Adams

Motion Failed

2. Improvements to member services (*Exner*)

a) *Suggests supporting more programming at regional meetings.*

b) *Make portions of our national meetings program available online for viewing via the webpage (password protected)*

3. We have a contract with the Association for Environmental Engineering and Science Professors for co-sponsored symposia. There is no financial commitment from the division, but this contract allows AEESP members to register for ACS meetings with ACS member rates for registration fees.

**Motion to approve renewal of the AEESP reciprocal agreement.**

**Moved: Dion Dionysiou**

**Seconded: Dean Adams**

**Motion Approved**

C. Business Office Committee (*Adams, Exner, Ford*)

1. Business Office Contract is up for renewal in March of 2015.

2. Recommending a 3 year contract.

**3. Motion to approve a business office contract renewal with \$35/hr and 900 hours maximum, with additional hours requiring approval by the chair of the division.**

**Moved: Dean Adams**

**Second: Allan Ford**

**Motion Approved**

D. Appropriations Committee (*MacLachlan*)

1. Report from FAME 2014 Conference – *Exh. IV.D.1*

2. New Requests – *Exh. IV.D.2*



**a) Motion to support speaker travel for the Symposium in Honor of Frank Kinard, at the ACS Southeast Regional Meeting, October 2014 (\$500)**

**Moved: Vic Turoski**

**Second: Alan Elzerman**

**Motion Approved:**

**b) Motion to support Sponsorship of Graduate Student-Planned ACS Symposium for Fall 2015 at the amount of \$500, pending that they fill out the division request form for support.**

**Moved: Tracy Williamson**

**Seconded: Xiaoping Pan**

**Motion Approved**

**E. Guest speaker: Nancy Jackson**

Proposals for green chemistry are being solicited for LAUNCH.org program to help entrepreneurs in the area of green chemistry. The deadline is Sept. 24<sup>th</sup>.

**F. International Affairs Committee (*Dionysiou*)**

1. EuCheMS Conference is coming up with good participation from our division.

**G. DAC Grants (*Cobb, Goldfarb*)**

**H. Long Range Planning Committee (*Cobb*) – Exh. IV.G**

1. Discussed postponing the strategic planning meeting in 2015 to between the spring and fall meeting (rather than before spring meeting).

**2. Motion to approve \$6000 in 2015 for Climate Programming in Regional Meetings and \$3000 for other regional meeting programming for a revised total of \$9000 in Budget Line 8.**

**Moved: George Cobb**

**Seconded: Jillian Goldfarb**

**Motion Passed**

**I. Centennial Committee (*Goldfarb, Ford*)**

- V.** [10:00pm] Programming (*Al-Abed, Dionysiou*)
- A.** 248th National Meeting – ENVR 100th Anniversary, San Francisco, CA, August 10-14, 2014 (*Dionysiou*) – **Exh. V.A**
  - B.** 249th National Meeting, Denver CO, March 22-26, 2015 (*Al-Abed*) – **Exh. V.B**
  - C.** Speaker Expense (*Obare*) – **Exh. V.C, available at meeting**
  - D.** Other meetings
- VI.** [10:15pm] Committee Reports
- A.** Archival (*Turoski*)
  - B.** Awards (*Anderson, Uchimiya/Pan, Dionysiou, Turoski, Cobb*)
    - 1. Student Awards (*Anderson*)
    - 2. Certificate of Merit (*Uchimiya/Pan*)
    - 3. Hancock Awards (*Dionysiou*)
    - 4. Distinguished Service Awards (*Turoski*)
    - 5. Undergraduate Awards (*Dionysiou*)
    - 6. SETAC—ENVR Exchange Award (*Cobb*)
  - C.** Membership services (\_\_\_\_\_) – **Exh. VI.D**
  - D.** Nominating (*Adams*)
  - E.** Publicity/Newsletter (*Goldfarb*) – **Exh. VI.E**
  - F.** Social Affairs (*Hathaway*) – **Exh. VI.F**
  - G.** Web Site (*Savara*)
- VII.** [10:25pm] Information/Concluding Remarks
- Adjourn [10:30pm]

## Consolidated Motions etc.:

1) Motion to approve the Executive Committee Spring Meeting Minutes as distributed.

Moved: Allan Ford

Seconded: Alan Elzerman

Motion Approved

### Interim actions:

2) Motion to support ANYL sustainability of critical materials symposium for \$500. Motion approved. No line item specified. Annual budget will be modified accordingly.

3) Motion to allocate up to an additional \$21,400 in support of the Division's centennial activities and programming at the 2014 ACS National Meeting in San Francisco. Motion approved. Annual budget will be modified accordingly.

4) In the Business meeting directly prior to this meeting (fall 2014,), a motion to drop the \$4 surcharge for foreign addresses and keep other dues unchanged was made and passed.

5) Motion to approve the 2015 proposed budget, amended to have a tentative \$21,575 influx from the investment account listed in order to have a balanced budget.

Moved: Ken Smith

Seconded: Dean Adams

Motion Passed.

6) Motion to separate the Hancock Account from the Division Account and transfer the appropriate money into the new Hancock Account.

Moved: Aditya Savara

Seconded: Martha Wells

Motion Passed

7) Motion to change the names on both of the Fidelity accounts to Kenneth Smith, Jurgen Exner, Alan Elzerman, and Xiaoping Pan.

Moved: Aditya Savara

Seconded: George Cobb

Motion Passed

8) Motion to increase the cost of Reception tickets to \$20.

Moved: Ken Smith

Seconded: A. Savara

Motion Approved.

**Secretary's note: this is intended to be for the Spring 2015 meeting and beyond (not for Fall 2014 meeting which has already had tickets distributed).**

9) Motion to approve renewal of the AEESP reciprocal agreement.

Moved: Dion Dionysiou

Seconded: Dean Adams

Motion Approved.

10) Motion to approve a business office contract renewal with \$35/hr and 900 hours maximum, with additional hours requiring approval by the chair of the division.

Moved: Dean Adams

Second: Allan Ford

Motion Approved

11) Motion to support speaker travel for the Symposium in Honor of Frank Kinard, at the ACS Southeast Regional Meeting, October 2014. (\$500)

Moved: Vic Turoski

Second: Alan Elzerman

Motion Approved:

12) Motion to support Sponsorship of Graduate Student-Planned ACS Symposium for Fall 2015 at the amount of \$500, pending that they fill out the division request form for support.

Moved: Tracy Williamson

Seconded: Xiaoping Pan

Motion Approved.

13) Motion to approve \$6000 in 2015 for Climate Programming in Regional Meetings and \$3000 for other regional meeting programming for a revised total of \$9000 in Budget Line 8.

Moved: George Cobb

Seconded: Jillian Goldfarb

Motion Passed

**Secretary's note: this makes budget unbalanced again with \$1,000 deficit, though we anticipate that actual expenses and credits will be "in our favor" resulting in a net balanced budget at the end of the 2015 year (after including the tentative transfer from the investment account in item 5 above).**

**AMERICAN CHEMICAL SOCIETY**  
**Division of Environmental Chemistry**

Executive Committee Members  
Effective: August 1, 2014  
(\*denotes voting member of Executive Committee)

Elected Officers

<b>*Chair:</b> (Chair term ending 2015)	Tracy Williamson 2527 Dog Leg Dr. Crofton MD 21114	202-564-8569 (W) 202-564-8679 (F) 202-352-6118 (C) 410-451-3680 (H) <a href="mailto:tcwtcw3@aol.com">tcwtcw3@aol.com</a> Alt: <a href="mailto:williamson.tracy@epa.gov">williamson.tracy@epa.gov</a>
<b>*Chair-Elect:</b> (Chair-Elect term ending 2015) (Chair term ending 2017)	George Cobb Dept of Environmental Science Baylor University One Bear Place #97266 Waco TX 76798-7266	254-710-6556 (W) 254-652-5774 (C) 254-751-9138 (H) George_cobb@baylor.edu
<b>*Immediate Past Chair:</b> (Term ending 2015)	[Vacant]	
<b>*Treasurer:</b> (Term ending 2015)	Xiaoping Pan Department of Biology S210 Howell Science Complex East Carolina University Greenville NC 27858-4353	8063926034 (C) 252-328-5443 (W) <a href="mailto:panx@ecu.edu">panx@ecu.edu</a> Home: 625 Stillwater Dr. Winterville NC 28590
Asst. Treasurer	Ruth Hathaway 1307 Stanford Dr. Longview TX 75601	903-238-8665 (H) 903-918-3794 (C) <a href="mailto:ruthhathaway@msn.com">ruthhathaway@msn.com</a>
<b>*Secretary:</b> (Term ending 2015)	Aditya (Ashi) Savara Chemical Sciences Division Oak Ridge National Laboratory P. O. Box 2008, MS-6201 Oak Ridge TN 37831-6201	865-576-6311 (W) 808-554-1942 (C) <a href="mailto:savaraa@ornl.gov">savaraa@ornl.gov</a> Travelling: <a href="mailto:adityasavara2008@northwestern.edu">adityasavara2008@northwestern.edu</a>
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<b>*Member at Large:</b> (Term ending 2014)	Alexander Orlov Materials Science & Engineering Room 314 Old Engineering Stony Brook University Stony Brook NY 11794-2275	631-632-9978 (W) 631-632-8052 (F) 631-356-4675 (C) <a href="mailto:alexander.orlov@stonybrook.edu">alexander.orlov@stonybrook.edu</a>
<b>*Member at Large:</b> (Term ending 2014)	Allan Ford 952 Sound Harbor Cir Gulf Breeze FL 32563-3014	850-261-4466 (C) 850-934-6014 (H) <a href="mailto:fordam1@mchsi.com">fordam1@mchsi.com</a>

**AMERICAN CHEMICAL SOCIETY**  
**Division of Environmental Chemistry**

<b>*Member at Large:</b> (Term ending 2014)	Edward Kolodziej University of Nevada, Reno Department of Civil & Environmental Engineering/0258 Reno NV 89557	775-682-5553 (W) koloj@unr.edu
<b>*Member at Large:</b> (Term ending 2014)	Timothy Strathmann University of Illinois Dept of Civ/Env Eng 3230 Newmark Civ Eng Lab 205 N Mathews Ave Urbana IL 61801-2350	217-244-4679 (W) strthmn@illinois.edu
<b>*Councilor:</b> (Term ending 2014)	Alan W. Elzerman 109 Morgan Dr. Central SC 29630	864-506-0888 (C) 864-653-6009 (H) awlzrmn@clemson.edu
<b>*Councilor:</b> (Term ending 2014)	Martha J.M. Wells Emerita Professor of Chemistry Tennessee Technological University Department of Chemistry Box 5055 Cookeville TN 38505	931-979-6808 (C) mjmwells@tntech.edu or info@envirochemservices.net
<b>*Councilor:</b> (Term ending 2015)	V. Dean Adams 1569 E 1260 N Logan UT 84341-2846	435-752-5156 (H) vdadams@unr.edu
<b>*Councilor:</b> (Term ending 2016)	Jurgen H. Exner 2 Waverly Ct. Alamo CA 94507	925-743-9804 (W) 925-743-1870 (F) 925-285-8822 (C) jexner@earthlink.net
<b>*Alternate Councilor:</b> (Term ending 2014)	George Cobb See page 1	
<b>*Alternate Councilor:</b> (Term ending 2014)	Kenneth E. Smith 824 Williamsburg Blvd. Downingtown, PA 19335	702-419-3623 kesmithpa@gmail.com
<b>*Alternate Councilor:</b> (Term ending 2015)	Todd Anderson The Institute of Environmental and Human Health Texas Tech University P.O Box 41163 Lubbock TX 79409-1163	806-885-4549 (W) 806-885-4577 (F) todd.anderson@ttu.edu
<b>*Alternate Councilor:</b> (Term ending 2016)	Dionysios Dionysiou Dept. of Biomedical, Chemical and Environmental Engineering (DBCEE) 705 Engineering Research Center University of Cincinnati Cincinnati OH 45221-0012	513-556-0724 (W) 513-556-4162 (F) dionysios.d.dionysiou@uc.edu

**AMERICAN CHEMICAL SOCIETY**  
**Division of Environmental Chemistry**

Executive Committee Members  
Standing Committees

<b>*Chair – Archival Committee</b>	Vic Turoski 345 East Wisconsin Ave Neenah WI 54956	920-729-9281 (H) 480-215-7583 (C) victuroski@gmail.com
<b>*Chair – Awards Committee</b>	Todd Anderson See page 2	
Chair - Student Awards Subcommittee	Todd Anderson See page 2	
Members:	Pamela Rice	Pamela.Rice@ARS.USDA.GOV
Chair – Certificate of Merit Awards Subcommittee	Xiaoping Pan See page 1	
Members:	George Cobb, Alex Orlov Hongxia Guan Sophie Uchimiya	h-guan@wiu.edu sophie.uchimiya@ars.usda.gov
Chair – Undergraduate Student Awards Subcommittee	Dionysios Dionysiou See page 2	
Members:	Steve Mezyk Souhail Al-Abed	smezyk@csulb.edu
Chair – Distinguished Service Award Subcommittee	Victor Turoski See page 3	
Members:	Kenneth E. Smith, Allan M. Ford	
<b>*Chair - Budget and Finance Committee:</b>	Xiaoping Pan See page 1	
<b>*Chair - Long-Range Planning Committee:</b>	George Cobb See page 1	
<b>*Chair – Membership Services Committee:</b>	[open]	
<b>*Chair – Nominating Committee:</b>	Dean Adams See page 2	
<b>*Program Chair:</b> Fall Meetings:	Dionysios Dionysiou See page 2	
Spring Meetings:	Souhail Al-Abed U.S. EPA 26 W Martin Luther King Dr Cincinnati OH 45268-0001	513-569-7849 (W) 513-569-7879 (F) 513-831-0190 (H) al-abed.souhail@epa.gov

**AMERICAN CHEMICAL SOCIETY**  
**Division of Environmental Chemistry**

**\*Chair – Publications/Publicity  
Committee**

Jillian Goldfarb  
Boston University  
College of Engineering  
Dept. of Mechanical Engineering  
15 S. Mary's St., Rm 142  
Brookline MA 02446

617-353-3883 (W)  
JillianG@bu.edu

**\*Chair - Social Affairs  
Committee:**

Ruth Hathaway  
See page 1

Other Appointed Committees or Positions

Appropriations Committee:

Victor Turoski (See page 3)  
Frank Amore  
Jennifer Maclachlan

Frank.amore@comcast.net  
pidgirl@gmail.com

Business Office Committee:

Dean Adams, Jurgen Exner, Allan Ford

Business Office Manager:

Peney Patton  
210 Cypress Court  
Woodway TX 76712

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254-751-9138 (F)  
division@acsenvr.com

Centennial Committee:

Allan Ford (co-chair), Jillian Goldfarb (co-chair), Souhail Al-Abed, George Cobb, Dion Dionysiou, Jurgen Exner

Committee Consultants: Tracy Williamson, Hank Ramsey (hcrsc@mac.com), Ray Garant (r\_garant@acs.org)

Editor – EnvirofACS Newsletter

Jillian Goldfarb

Hancock Award Selection  
Committee:

Dionysios Dionysiou (See page 2)  
Sherine Obare  
Rafa Luque

sherine.obare@wmich.edu  
q62alsor@uco.es

International Activities Committee

George Cobb, Dion Dionysiou, Souhail Al-Abed

Investment Committee:

Alan Elzerman, Jurgen Exner, Ken Smith  
Xiaoping Pan (ex officio)

Regional Meeting Coordinator

[Open]

Speaker Expense Committee:

Sherine Obare

sherine.obare@wmich.edu

Webmaster:

Aditya (Ashi) Savara (See page 1)



**AMERICAN CHEMICAL SOCIETY**  
**Division of Environmental Chemistry**

**Liaisons**

<b>Liaison – ACS Biotechnology Secretariat (BTEC)</b>	Dionysios Dionysiou (See page 2) and Souhail Al-Abed (See page 3)	
<b>Liaison – ACS Committee on Environmental Improvement (CEI)</b>	George Cobb See page 1	
<b>Liaison – ACS Division Activities Committee (DAC)</b>	Tracy Williamson See page 1	
<b>Liaison - ACS Local Section Activities Committee (LSAC)</b>	Allan Ford See page 1	
<b>Liaison – ACS Multidisciplinary Program Planning Group (MPPG)</b>	Tracy Williamson See page 1	
<b>Liaison – ACS Younger Chemists Committee (YCC)</b>	Wasiu Adedapo Lawal Doctoral Student University of Texas at Arlington Earth and Environmental Science P.O. Box 19049 Arlington TX 76019	wasiulawal79@yahoo.co.uk; wasiu.lawal@mavs.uta.edu
<b>Liaison – AEESP</b> (American Association of Environmental Engineering and Science Professors)	Dionysios Dionysiou See page 2	
<b>Liaison – American Institute of Chemical Engineers (AIChE)</b>	[open]	
<b>Liaison - International Union of Pure and Applied Chemistry (IUPAC)</b>	Larry H. Keith 329 Claiborne Way Monroe GA 30655-8406	770-267-2686 (H) 770-833-3115 (C) larrykeith@earthlink.net
<b>Liaison – Environmental Chemist and Technician Certification Program</b>	Ruth Hathaway See page 1	
<b>Liaison - SETAC:</b> (Society of Environmental Toxicologists and Chemists)	George Cobb See page 1	

**AMERICAN CHEMICAL SOCIETY**  
**Division of Environmental Chemistry**

**American Chemical Society**  
**Useful Contacts**

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Voting Members

Current quorum is 6 (1/3 of executive committee members constitutes a quorum).

- |                         |                         |
|-------------------------|-------------------------|
| 1. Tracy Williamson     | 11. Alan W. Elzerman    |
| 2. George Cobb          | 12. Martha J.M. Wells   |
| 3. Aditya (Ashi) Savara | 13. Todd Anderson       |
| 4. Xiaoping Pan         | 14. Dionysios Dionysiou |
| 5. Alexander Orlov      | 15. Kenneth E. Smith    |
| 6. Timothy Strathmann   | 16. Vic Turoski         |
| 7. Edward Kolodziej     | 17. Ruth Hathaway       |
| 8. Allan Ford           | 18. Souhail Al-Abed     |
| 9. Dean Adams           | 19. Jillian Goldfarb    |
| 10. Jurgen H. Exner     |                         |

### C. Ellen Gonter Environmental Chemistry Award

The Division of Environmental Chemistry sponsors research paper awards for graduate students. These awards are competitive and judged on the basis of research and writing quality. Up to seven awards are presented annually. These awards represent the highest honor granted by the Division of Environmental Chemistry for students.

All graduate students enrolled full-time in chemistry, environmental engineering or other programs emphasizing environmental chemistry are eligible. The research paper must be relevant to environmental chemistry, the student must be the first and major author and the work must have been done while attending the student's current institution.

Graduate students who receive this award will present their papers at the C. Ellen Gonter Environmental Chemistry Awards Symposium at the American Chemical Society National meeting in the fall. Each awardee will also receive a \$1,000 cash award at the Environmental Division Dinner at the national meeting, a one year membership in the Environmental Division and recognition in *ES&T*.

C. Ellen Gonter was born on February 28, 1922 in Dover, OH. She graduated with a B.S. in Chemistry in 1952 from Carnegie-Mellon University. She was a certified professional chemist. She worked for the U.S. Army in chemical warfare service during World War II, U.S. Steel Corp., was supervisor of analytical research for Pittsburgh Coke and Chemical Co., manager of the water division of the Nuclear Utilities Service Corp. of Pittsburgh and the National Sanitation Foundation of Ann Arbor, MI. She did much consulting work throughout her career. She was an Emeritus member of the American Chemical Society.

Dr. Gonter served in many capacities within the Division of Environmental Chemistry including serving as the Chair (1973), Secretary (1969-1971) and Treasurer (1976-1977). Ellen attended nearly every meeting during her career and could be found manning the Division table at many of those meetings. She was instrumental in the development and establishment of this award in 1985. Due to her tireless volunteer efforts, the Division bestowed her with the Distinguished Service Award in 1979.

Dr. Gonter was also a member of the American Institute of Chemists, the Society for Applied Spectroscopy, the International American Society for Testing and Materials for which she was secretary and member of the Board of Directors of the Pittsburgh section of the Society of Women Engineers. She had many papers published for the chemical industry.

At the Spring National Meeting, the Division of Environmental Chemistry decided to honor the memory of Ellen, with her passing on September 14, 2006, by renaming the Graduate Student Research Paper Award to the C. Ellen Gonter Environmental Chemistry Award.

## 2014 Recipients

**Geshan Zhang**, *University of Cincinnati* -- Photocatalytic destruction of cylindrospermopsin: Identification of reaction by-products and unveiling of reaction pathways

**Jinyong Liu**, *University of Illinois at Urbana-Champaign* -- Rhenium speciation and reaction mechanisms for aqueous perchlorate reduction by H<sub>2</sub> with a heterogeneous Re(hoz)<sub>2</sub>-Pd/C catalyst

**Khanh An Huynh**, *Johns Hopkins University* -- Heteroaggregation reduces antimicrobial activity of silver nanoparticles: Evidence for nanoparticle–cell proximity effects

**Peizhe Sun**, *Georgia Institute of Technology* -- Photodegradation of veterinary ionophore antibiotics under simulated and natural solar and UV irradiation

**Ronald Kent**, *Virginia Tech* -- Controlled evaluation of silver nanoparticle sulfidation: Reaction mechanism and particle stability

**Bahareh Asadishad**, *McGill University* -- Role of cold climate and freeze-thaw on the survival, transport, and virulence of *Yersinia enterocolitica*

## 2014 Undergraduate Student Award in Environmental Chemistry

The Division of Environmental Chemistry sponsors annual awards to full-time undergraduate students currently enrolled in an education institution in chemistry, environmental engineering or other programs emphasizing environmental chemistry. These students must have completed or be completing one full year of study at their current institution by the date of announcement of the awards (May). The award consists of a one year membership in the ACS Division of Environmental Chemistry and a certificate. Awardees will be publicized in the Division website ([www.acsenvr.com](http://www.acsenvr.com)) and *C&E News*. The Division of Environmental Chemistry is pleased to announce this year's awardees:

**Spencer John Brennan**

Chemical Engineering  
McGill University

Spencer has shown excellent insight for and commitment to environmental aspects of science and engineering. Spencer conducted research in Prof. Nathalie Tufenkji's Biocolloids and Surfaces Laboratory to determine the transport potential of metal oxide nanoparticles in model groundwater environments. His contributions to this work led to co-authorship of one journal publication, one peer-reviewed conference paper, and two conference presentations. Spencer later worked under the supervision of Prof. Phillip Servio, in the Department of Chemical Engineering, on phase equilibrium chemistry of hydrocarbons upon the addition of polymers. He will receive co-authorship on hydrate kinetics research, which is being submitted for publication in a peer-reviewed journal. It is also noteworthy that Spencer accomplished these achievements while playing on the varsity hockey team (for 2 yrs) and maintaining a first class academic record. He received the distinction of All-Canadian student athlete twice and the Principal's Student Athlete Honour Roll once.

Nathalie Tufenkji  
Associate Professor and Canada Research Chair

**Lena Buckendorf**

School of Earth and Environmental Sciences  
Chapman University

Lena has conducted high-quality independent environmental geochemistry research since 2012 at Chapman University, where she has played a key role on a large scale, multi-institution, EPA-funded research project investigating the bioaccessibility and bioavailability of arsenic in gold mine tailings at the Empire Mine in Northern California. This has involved the size separation of mine tailings samples, measurement of reactive surface area, and simulated gastric fluid extractions to assess the solubility of arsenic from the different size fractions. Lena exhibits a high degree of integrity, organization, and thoroughness in everything she sets her mind to, and is greatly deserving of this recognition.

Christopher Kim  
Associate Professor

**Rebecca Buthe**

Civil and Environmental Engineering  
Rice University

Rebecca exhibits excellence, consistency, and determination in the classroom, active engagement in departmental activities, and participation in undergraduate research in the laboratory of Dr. Pedro Alvarez while being motivated by contributing to environmental health.

Robert Griffin  
Professor, Department Awards Chair

**Allison Chin**

Chemistry  
The College of Wooster

Allison is graduating this spring with a chemistry degree with an environmental studies minor. She has conducted research in the field of environmental analytical chemistry. At Wooster every student must complete an Independent Study (I.S.) project, a yearlong endeavor where each student works one-on-one with a faculty member on an original scholarly project. Allison's I.S. project focused on developing a greener extraction method for select endocrine disrupting chemicals (EDCs) using stir bar sorptive extraction. Allison has excelled with her I.S. research project, and her extraction method coupled with liquid chromatography tandem mass spectrometry provides an alternative means for measuring EDCs in aqueous environmental matrices. Allison successfully used her method to measure the EDCs in wastewater effluent and agricultural runoff.

Melissa Schultz  
Associate Professor of Chemistry

**Amy Christiansen**

Chemistry  
Gustavus Adolphus College

Amy Christiansen is a junior chemistry major at Gustavus Adolphus College and has excelled in the classroom and as a research student. Amy started her research career during her first year and studied mercury cycling in aquatic systems with elevated sulfate concentrations. During the last two years she has studied herbicide photodegradation in aqueous solutions and on the wax surfaces of plants. She has been measuring the photodegradation rates of imidazolinone herbicides and identifying degradation products.

Jeff Jeremiason  
Associate Professor of Chemistry

**Olga Epsthtein**

Civil, Environmental, and Sustainable Engineering  
Arizona State University

Olga has consistently displayed a strong and enthusiastic commitment to research in environmental chemistry, engineering, and computer modeling, transcending the impeding disciplinary boundaries. In addition to being involved in grant development with the Center for Environmental Security at Arizona State University, Olga has initiated, designed, and led a number of high-profile environmental research proposals of her own, where she recruited collaborators from other universities, national laboratories, and industry. Her professional accomplishments, even at this early stage of her career, are truly noteworthy. She has co-authored a paper in the peer-reviewed *Environmental Modelling & Software* journal, was the lead author on a series of EH&S articles in *Environmental Quality Management*, is a co-author on a number of conference papers in press and in review, and has presented her research at several conferences. Olga has a capacity for leadership and the tenacity to succeed in the field of environmental chemistry and engineering.

Rolf Halden  
Professor

**Gabriel A. Fernandez-Bueno**

Chemistry  
Wesley College

Gabriel is a Wesley College senior majoring in biological chemistry. He is a member of our honors program and early in his freshman year, began participating in our federally sponsored directed research program in chemistry. Two of his research projects evaluated the mechanisms of chemical precursors that have patented herbicidal applications. His efforts resulted in two peer-reviewed publications; one in the International Journal of Molecular Sciences and another in the Canadian Chemical Transactions. The Wesley College undergraduate research program in chemistry is supported by an Institutional Development Award (IDeA) from the National Institute of General Medical Sciences of the National Institutes of Health, a National Science Foundation EPSCoR Grant, and the State of Delaware. Additionally, Gabriel received a Tuition Scholarship from the NASA Grant NNG05GO92H Delaware Space Grant College and Fellowship Program.

Malcolm J. D'Souza, Ph.D.  
Professor of Chemistry & Director of Sponsored Research

**Andrew Ferry**

Chemistry  
Tennessee Technological University

Andrew is a hard-working Environmental Chemistry degree-seeking student in our department. He is also conducting undergraduate research in Environmental Chemistry during the Academic Year in the laboratory of Dr. Hong Zhang. He is a goal-driven student who not only works hard to achieve his goals, but is dedicated to environmental research as well.

Jeffrey O. Boles  
Professor & Chair

**Nicole Hartig**

Chemistry  
Towson University

Nicole is a double major in Environmental Science and Studies (Environmental Science track) and Chemistry. She currently has an overall GPA of 3.897 (4.00 scale). Nicole's performance in courses related to environmental chemistry has been excellent. Nicole has conducted two years of undergraduate research. She took a leading role on a project evaluating the potential for animal manure extracts to serve as growth media for commercial bacterial and algal cultures. Nicole was responsible for sample handling, extractions, instrumental analysis, data reduction and QA/QC. Not only did she successfully juggle these multiple responsibilities, she learned to independently operate four different instruments and mastered several benchtop techniques as well.

John Sivey  
Assistant Professor

**Alex Hermsdorf**

Civil and Environmental Engineering  
Cornell University

Alex has displayed deep dedication and creativity to the study of microbially mediated uranium reduction. He has made great strides toward the development of assays to detect and quantify uranium reductase enzymes in lab and field samples by mass spectrometry-based methods. He excelled at developing computational approaches to assist in leveraging large proteomic and genomic datasets for assay development.

Ruth Richardson  
Associate Professor

**Amber J. Hiranaka**

Chemistry  
Seattle University

Amber is a senior chemistry major at Seattle University. Amber has truly excelled in the classroom and in the research laboratory. Amber has studied the photochemical fates of several aquatic pollutants over the past two years and has significantly contributed to each of the projects in which she participated. She presented some of her work in the Environmental Division poster session at the spring 2013 national ACS meeting in New Orleans. She will begin graduate studies in the fall.

Doug Latch  
Associate Professor of Chemistry

**Lindsay House**

Chemistry & Biochemistry  
James Madison University

Lindsay has been doing undergraduate research for the past year with a water chemistry assessment project that involved data interpretation and management recommendations for two trout streams in southwestern Virginia. Her work has been presented at four scientific conferences. She was awarded a second place for best poster in October at the University of Maryland Baltimore County research symposium, and in February, Lindsay received the best student presentation award at the American Fisheries Society, Virginia Section conference.

Richard Foust, Jr.  
Professor of Chemistry and Biochemistry

**Faye Koenigsmark**

Civil and Environmental Engineering  
University of Connecticut

Faye is an exceptional student. While her core curriculum focuses on traditional environmental engineering, she has taken additional chemistry courses and graduate courses in non-point source pollution as a junior. She has also been conducting undergraduate research for the past two years. Her research has focused on the fate and bioavailability of Cu from iron oxide and organic matter phases in wetland systems. This was presented at a local conference this past spring, and will be presented at the upcoming ACS National conference. She was recently awarded a summer research fellowship to continue this work. I expect Faye to be a valuable contributor to the field of environmental chemistry.

Timothy Vadas  
Asst. Prof.

**Jessica Lee**

Chemical, Biochemical, & Environmental Engineering  
University of Maryland Baltimore County

Jessica is nominated for outstanding undergraduate contributions to research aimed at understanding the absorbance of ultraviolet and visible light by contaminants of emerging concern in photolytic processes, maintaining an exceptional academic record (4.0 GPA), and being the first female student in the Environmental Engineering & Sustainability track of the UMBC Chemical Engineering program.

Lee Blaney  
Assistant Professor



**Marianna Moffatt**  
Chemistry  
University of St. Thomas

Maia, a biochemistry major who is graduating in May 2014, has performed research in Dr. Kris Wammer's environmental chemistry research lab since her freshman year. Her work has focused on determination of antibiotic resistance genes in natural waters impacted by human and agricultural sources. Throughout her undergraduate career she has been an outstanding researcher and a leader in the lab.

Kris Wammer  
Associate Professor

**Sylwia Odrzywolska**  
Chemical and Biological Engineering  
Illinois Institute of Technology

Sylwia contacted me in the fall of 2013 to ask about undergraduate research opportunities. Soon she found herself following plans, selecting and ordering parts, and learning how to solder as she began to assemble a low-cost, open-source potentiostat. She consulted with other experts on the electronics and on electroanalytical chemistry methods, and she made time to continue working on the project despite her course load and extracurricular activities. I nominate Sylwia because of her dedication, perseverance, and willingness to keep exploring.

Paul R. Anderson  
Associate Professor

**Jenna M. Swarthout**  
Civil, Structural, and Environmental Engineering  
University at Buffalo, The State University of New York

Jenna demonstrated an advanced level of intellectual ability in her coursework and maturity, outmatching her contemporaries within the department. She showed significant leadership abilities as a participant in the students' team assignments and group efforts. Her classmates enjoy working with and hold her in highest regard. Jenna is a member of Engineers for a Sustainable World (ESW) showing great community volunteering at local and international venues. Jenna has also been actively involved with undergraduate research at SUNY Buffalo, and worked in projects addressing harmful algal bloom problems in Great Lakes. Outcome of this work will be presented at the ACS National Meeting in August 2014. Finally, due to her excellent scholarship and impressive academic efforts, she has already been accepted to top Environmental Engineering programs in the U.S. where she will pursue her doctoral work in the near future. SUNY Buffalo whole-heartedly nominates this outstanding young woman and encourages her future accomplishments.

Berat Haznedaroglu  
Assistant Professor

**Catherine Taylor**  
Environmental Engineering - Industrial Processes  
University of New Hampshire

Catherine is academically very strong with a passion for the environment. She is at the top of her Environmental Engineering Industrial Processes class and maintains a strong performance in her coursework in spite of the heavy course load she takes on. Catherine is motivated, sincere, and hard-working and has strengthened her educational experience by conducting internships at the U.S. Environmental Protection Agency and the Massachusetts Department of Transportation. She is committed to protecting the environment and has also volunteered her time at the Friends of Lake Quannapowitt to conduct lake testing and clean up. With her strong intellectual abilities and her drive to protect the environment, Catherine has the capacity to make significant contributions in the field of Environmental Engineering.

Nivedita R. Gupta  
Associate Professor

**Mercy Ude**  
Chemical and Environmental Engineering  
Yale University

Mercy demonstrates excellence in both academics and research. As an undergraduate researcher, she exhibits superb critical thinking skills, contributes to experimental design, independently conducts laboratory work, and shows a genuine interest and enthusiasm for scientific discovery. Mercy has a great potential for success as an environmental engineer.

Menachem Elimelech  
Professor

**Ileana Wald**  
Civil and Environmental Engineering  
University of South Florida

Through her current research on water and sanitation in the developing world, Ileana has exhibited great passion for and an ability to explain the significance and impact of her research, and has demonstrated the ability to base her research plan on clear hypotheses and detailed understanding of the experimental methodology. Ileana has played a major role in developing and applying laboratory protocols for measuring viability of helminth eggs during anaerobic digestion of swine waste for bioenergy production and has helped with the experimental design and analysis of the results as well as taking an active role in preparing papers for publication. She also has research experience at UC-Boulder and with NOAA as part of her NOAA Hollings Scholarship. Ileana is past president of Engineers without Borders. Prof. James Mihelcic describes Ileana as " the best undergraduate researcher I have advised or directed in over 20+ years." She has excellent potential for success as an educator, researcher, scholar, environmental professional, and importantly a global citizen.

Sarina Ergas  
Professor and Graduate Program Director

**Jingjing Xie**  
Chemistry and Biochemistry  
University of Massachusetts Dartmouth

Jingjing started her high education at Nanjing University of Technology. Her previous education provided her with a good background in mathematics and chemistry. Upon her arrival in Dartmouth, she quickly adapted to American college environment, earning an excellent GPA of 3.81. Jingjing joined our research group in the Spring 2013. She became familiar with most chemical experimental techniques employed in our laboratory and the literature within a short time. Jingjing has been involved in two research projects, first in "HPLC Determination of Estrogenic Steroids in Water". Then she used the HPLC method developed in the first project to study the chemisorption of estrogenic steroid hormones on Nylon and other membranes for eliminating these emerging pollutants in wastewater. Jingjing has produced excellent results and presented them in several conferences. One manuscript from her research has been submitted to a peer-review international journal. She has proved herself an industrious student with an intense inner drive to pursue knowledge and is well-liked by her peers.

Yuegang Zuo  
Professor

## Division of Environmental Chemistry

# CERTIFICATE OF MERIT RECIPIENTS

**247<sup>th</sup> ACS National Meeting & Exposition, Dallas, TX – March 16-20, 2014**

The Division of Environmental Chemistry Certificate of Merit is presented to the following first-time ENVR presenters at a national ACS meeting for presentations judged to be of high quality and relevant to the advancement of our understanding of environmental chemistry.

**Abhilasha Acharya**, Temporal and spatial distribution of inorganic constituents in the John Bunker Sands wetland

**Nathaniel Adegboyega**, Mechanism of formation of silver nanoparticles in aquatic environment

**Bashir Ahmmad**, Starch based biocomposite films reinforced with cellulose nanocrystals from agricultural residues.

**Adelaide Clark**, Pressurized liquid extraction technique for the analysis of PAHs, hopanes, pesticides, PCBs and PBDEs from air filter samples

**Peng Du**, Adsorption of amino acids on functionalized carbon nanotubes

**Wenjia Fan**, Experimental investigations of trace metal and radionuclide leaching from shales in contact with hydraulic fracturing fluids

**Sara Fast**, Ultrasonic-chitosan enhanced flocculation of algal turbid waters

**Jacob M Garcia**, Reductive Detoxification of 2,4,6-trinitrotoluene (TNT) by Fe-nanoparticles

**Yurii Geletii**, Stability of catalytic systems based on polyoxometalates for water oxidation

**Ariana Gilmore**, Characterization of products and reaction efficiencies of Advanced Oxidation Process treatment of beta-lactam antibiotics

**Bahareh Kokabian**, Algae as a sustainable biocathode in microbial desalination cells

**Nadeesha Hemali Koralegedara**, Leachability of metals from F&D gypsum used in agricultural purpose.

**Jiaqi Mi**, Novel molecular semi-conductor for efficient solar driven water splitting

**Justin Miller-Schulze**, Emerging micropollutants in Puget Sound: A comparison of spatial and temporal levels and occurrence

**M Abdul Mottaleb**, Simultaneous detection and quantification of select nitromusks, antimicrobial agent, and antihistimine in fish of grocery stores by gas chromatography-mass spectrometry

**Derek Newberger**, Mercury and transition metal accumulation in caudal scutes of American crocodiles (*Crocodylus acutus*) from Belize

**Dominic Notter**, Life cycle impact assessment modeling: Damage to human health from particles released to the air including nanoparticles

**Evangeline Rukundo**, Low-temperature precursors for zinc oxide nanomaterials for arsenic remediation

**Ken Sakaushi**, Application of nanostructured metal-free bifunctional catalysis: In case of lithium-oxygen batteries

**Sema Sengor**, Aggregation of biogenic U(IV) nanoparticles: Impact of different environmental conditions

**Yiming Su**, Influences of nitrate on heavy metals removal performance by nanoscale zerovalent iron

**Val Vullev**, Bioinspired electrets for solar-energy conservation

**Sihong Wang**, Self-charging power unit based on the hybridization of nanogenerator and Li-ion battery

**Kun Yang**, Adsorption and desorption of organic compounds on/from carbon nanotubes in water: Influence of surface oxidation of carbon nanotubes and chemical functional groups

**Asanka Sajini Yapa**, Silica/silicone coated Fe/Fe<sub>3</sub>O<sub>4</sub> magnetic nanoparticles (MNP) for multiple applications

**Qing Zhao**, Dispersion of functionalized multiwalled carbon nanotubes by small polar aromatic organic molecules

Congratulations,

Tracy Williamson

ENVR Chair

August 10, 2014

Dr. Tom Barton  
President  
American Chemical Society

Ms. Susan Butts, Chair  
Committee on Chemistry and  
Public Affairs

Mr. Karl Booksh, Chair  
Committee on Chemists with  
Disabilities

Dr. George L. Heard, Chair  
Committee on Community  
Activities

Mr. Michael J. Morello, Chair  
Committee on Divisional  
Activities

Ms. Louise M. Lawter, Chair  
Committee on Economic  
and Professional Affairs

Dr. Laura E. Pence, Chair  
Committee on Environmental  
Improvement

Dr. H. N. Cheng, Chair  
International Activities  
Committee

Dr. Martin D. Rudd, Chair  
Committee on Local Section  
Activities

Dr. Will E. Lynch, Chair  
Committee on Meetings &  
Expositions

Dr. Alvaro Ribes, Chair  
Committee on Minority Affairs

Dr. Sandra Bonetti, Chair  
Committee on Project SEED

Dr. David S. Gottfried, Chair  
Committee on Public Relations  
and Communications

Dr. Dawn Mason, Chair  
Corporation Associates

Dr. Larry Krannich, Co-chair  
Dr. Amber Hinkle, Co-chair  
Leadership Advisory Board

Dr. Andrew D. Jorgensen, Chair  
Society Committee on  
Education

Dr. Susan Marine, Chair  
Technician Affairs Committee

Dr. Amber F. Charlebois, Chair  
Women Chemists Committee

Dr. Douglas B. Hausner, Chair  
Younger Chemists Committee

Dear Dr. Williamson,

On behalf of the ChemLuminary Planning Committee, it is my pleasure to inform you that the Environmental Chemistry Division has been selected as a finalist for the following ChemLuminary Award(s):

- Outstanding Collaboration Between a Local Section and Division

Recipients will be announced and the presentation of awards will occur at the 248th ACS National Meeting in San Francisco, CA on **Tuesday, August 12, at the Palace Hotel**. The presentations will include awards given by 17 committees of the Society.

Award winning Divisions will be presented with a replica of the award at the event. Should your Division win a ChemLuminary award, it will be shipped to **you or your designee** immediately following the ceremony.

Prior to the ceremony there will be a one-hour poster session. Your Division is invited to present a poster of their 2013 activities that led to its selection as a finalist. **The poster will be 4' high X 6' wide.** PLEASE ENSURE THAT YOUR MATERIALS DO NOT EXCEED THIS SIZE AS WE CANNOT ACCOMMODATE LARGER POSTERS. Those nominated for more than one award are asked to present a single poster representing all your activities. Also, your poster will be uploaded to ACS.org within one week after the ceremony.

Your participation is encouraged so that other Divisions may see examples of outstanding activities and have the opportunity to ask questions about the activities.

The schedule for the evening is as follows:

3:00-6:00 p.m.: Sign-in/Poster session set-up  
8:00 p.m.: Poster session/Social Hour  
8:45 p.m.: Doors open to the ChemLuminary Awards  
9:00 p.m.– 10:00 p.m.: Presentation of awards  
10:00 p.m. – midnight: Celebration with dancing

Please complete and submit the online form by **Monday June 15, 2014**. To access the form, please go to:

<http://fs23.formsite.com/kate1dc/ChemLum2014/index.html>

Information not received by June 15 will not be included in the program book or onsite presentations.

You will receive more detailed information about the ceremony in early July. Should you have additional questions until then, please email [chemluminary@acs.org](mailto:chemluminary@acs.org).

Congratulations for an outstanding year of achievement and we look forward to seeing you at the 16th Annual ChemLuminary Awards Ceremony!

Sincerely,



Tom Barton  
President  
American Chemical Society

**Treasurer's Report  
Division of Environmental Chemistry  
American Chemical Society  
Executive Committee Meeting  
San Francisco, CA  
August 2014**

As of July 31, 2013, the Division has \$58,332 in liquid assets and \$773,462 in investments/reserves. This represents a net increase of \$18,614 in liquid assets and an increase of \$ 44,575 for investments/reserves since the 2013 year-end report. Our cash position places us in a good position as we move into the San Francisco conference of Centennial Year.

The surplus in Division checking accounts is largely due to a direct deposit of \$ 76,012 from ACS occurring on April and expenses lower than budgeted. The total income as of July 31 was \$ 100,512 and the total expense was \$ 67,424. At June 2013, the Division approved an adding of \$ 15,000 to 2014 budget towards Centennial.

The Contribution from the Hancock family comes in January of 2014. And we received \$ 1,000 in sponsor of San Francisco Centennial reception and \$ 2,000 supports of Centennial symposium speakers expenses from Agilent Technologies (totally \$ 3000). We also received \$ 5,000 from Water's foundation to sponsor a technical symposium.

National meeting expenses comprise the majority of Division expenditures. Our co-sponsorship of the ACS Award for Creative Advances in Environmental Science and Technology remains excellent. Our regional, local, and student award supports remain strong. We continue to engage in inter-society, inter-division and international coordination. George Cobb has been awarded the 2014 IAC Global Innovation (GI) Grant of \$ 4,000 from the ACS committee on International Activities (IAC).

Our website is well managed.

Social activities at meetings were well under half of proposed 2014 budget so far.

# Banking Summary - Year To Date

1/1/2014 through 8/1/2014

8/1/2014

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Category	1/1/2014- 8/1/2014
<b>INCOME</b>	
01. Contributions	
Donations	3,000.00
Donations to Hancock Fund	2,000.00
Other	5,000.00
TOTAL Donations	10,000.00
TOTAL 01. Contributions	10,000.00
02. Membership and Dues	
02.c. Directly paid	76,012.29
02.d Allocation	13,371.18
TOTAL 02. Membership and Dues	89,383.47
08. Royalties	
ACS Books	285.00
Oxford University Press	712.40
Taylor And Francis	131.57
TOTAL 08. Royalties	1,128.97
<b>TOTAL INCOME</b>	<b>100,512.44</b>
<b>EXPENSES</b>	
Administration	
Administrative Fees	40.14
2005 Form 990 CPA Prep	950.00
Bank charges	265.00
TOTAL Administrative Fees	1,255.14
Bus Office-Member Activities	6,550.54
Staff Salary	8,475.18
TOTAL Bus Office-Member Activities	15,025.72
Conferences	
Councilor Travel	5,855.07
Green Chemistry Conference	2,000.00
International Conferences	1,045.00
Regional ACS Meetings	1,000.00
TOTAL Conferences	9,900.07
Executive Committee	
Other	
Treasurer's Office Expenses	877.30
TOTAL Other	877.30
Travel	4,136.19
Division Leadership Conference	1,175.00
TOTAL Travel	5,311.19
TOTAL Executive Committee	6,188.49
TOTAL Administration	32,369.42
Awards Expenses	
Certificate of Merit	
Chair Travel	478.31
TOTAL Certificate of Merit	478.31
Graduate Student	1,625.00
Hancock Award	1,000.00
TOTAL Awards Expenses	3,103.31
Inter Society Coordination	303.00

## Banking Summary - Year To Date

1/1/2014 through 8/1/2014

8/1/2014

Page 2

Category	1/1/2014- 8/1/2014
Program	
National Meeting	9,498.72
Organizers	
Speaker Expense Fund	9,467.79
TOTAL Organizers	9,467.79
Program Chair	
Travel	1,620.28
P2C2-Program Plan Committee Chairs	587.01
TOTAL Travel	2,207.29
TOTAL Program Chair	2,207.29
TOTAL Program	21,173.80
Publications (Expense)	
Web Page	3,000.00
TOTAL Publications (Expense)	3,000.00
Social Expenses	
Receptions	7,473.55
TOTAL Social Expenses	7,473.55
<b>TOTAL EXPENSES</b>	<b>67,423.08</b>
 <b>TRANSFERS</b>	
FROM EnvChemDiv Checking	61,000.00
TO primary checking 6773	-61,000.00
<b>TOTAL TRANSFERS</b>	<b>0.00</b>
<b>OVERALL TOTAL</b>	<b>33,089.36</b>



Category	2013 Budget Proposed	2013 Budget Actual	2014 Budget Proposed	2014 Budget Actual to Date
<b>INCOME</b>				
<b>2. MEMBERSHIP &amp; DUES &amp; ASSESSMENTS</b>				
(2D) ACS Allotment	42,000	49,971	42,001	13,371
<b>TOTAL ACS Allotments</b>	<b>42,000</b>	<b>49,971</b>	<b>42,001</b>	<b>13,371</b>
<b>(2ABC) Dues</b>				
(2A) ACS Feb Dues	29,000	27,332	29,000	
(2B) ACS Aug Dues	23,000	25,573	23,000	
(2C) Directly Paid				76,012
Membership Commission	100		2,500	
via Mail and Meetings	300		300	
<b>TOTAL Dues</b>	<b>52,400</b>	<b>52,905</b>	<b>54,800</b>	<b>76,012</b>
<b>TOTAL Dues &amp; Assessment Income</b>	<b>94,400</b>	<b>102,876</b>	<b>96,801</b>	<b>89,383</b>
<b>1. CONTRIBUTIONS</b>				
<b>(1A) Meeting Grants</b>				
NIEHS	0	21,000	0	
<b>TOTAL Meeting Grants</b>	<b>0</b>	<b>21,000</b>	<b>0</b>	<b>0</b>
<b>(1B) Awards</b>				
Dinner Sponsorship	1,000		1,000	
Reception Sponsorship	2,000	1,000	2,000	
Hancock Award Contributions	2,000		2,000	2,000
<b>TOTAL Awards</b>	<b>5,000</b>	<b>1,000</b>	<b>5,000</b>	<b>2,000</b>
<b>(1E) ACS Innovative Project Funding</b>	<b>10,500</b>	<b>7,500</b>	<b>12,500</b>	
<b>TOTAL Innovative Project Funding</b>	<b>10,500</b>	<b>7,500</b>	<b>12,500</b>	<b>0</b>
<b>(1F) Donations</b>				
Sponsorship	2,500	1,433	3,500	8,000
<b>TOTAL Donations</b>	<b>2,500</b>	<b>1,433</b>	<b>3,500</b>	<b>8,000</b>
<b>(1G) Other Contributions</b>				
Other Income				
Poster Session Contributions				
<b>TOTAL Other Contributions</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>(1H) Councilor Travel</b>	<b>9,600</b>	<b>4,204</b>	<b>9,600</b>	
Other Councilor Related Income				
<b>TOTAL Councilor Travel</b>	<b>9,600</b>	<b>4,204</b>	<b>9,600</b>	<b>0</b>
<b>TOTAL Contribution Income</b>	<b>27,600</b>	<b>35,137</b>	<b>30,600</b>	<b>10,000</b>
<b>4. PUBLICATIONS</b>				
Preprints	0	0	0	
<b>TOTAL Publication Income</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>6. INVESTMENT INCOME (Interest &amp; Dividends)</b>				
<b>TOTAL Investment Income</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>8. ROYALTIES</b>				
	5,000	1,860	5,000	
ACS Books	0	2,364	0	285
CRC Press	0	0	0	
Taylor and Francis	0	0	0	132
Oxford University Press	0	0	0	712
Oxford for Hancock Fund	0	0	0	
<b>TOTAL Royalties</b>	<b>5,000</b>	<b>4,224</b>	<b>5,000</b>	<b>1,129</b>
<b>13. ALL OTHER REVENUE - Socials</b>				
ENVR Receptions	1,500	1,580	1,500	
ENVR Dinners	3,000	2,700	3,000	
<b>TOTAL All Other Revenue - Socials</b>	<b>4,500</b>	<b>4,280</b>	<b>4,500</b>	<b>0</b>
<b>TOTAL INCOME</b>	<b>131,500</b>	<b>146,517</b>	<b>136,901</b>	<b>100,512</b>
<b>3. INCOME from SELF-SUSTAINING ACTIVITIES</b>				

Category	2013 Budget Proposed	2013 Budget Actual	2014 Budget Proposed	2014 Budget Actual to Date
<i>TOTAL Income from Self-Sustaining Activities</i>				
<b>5. CONFERENCES/WORKSHOPS/MEETINGS</b>				
<i>TOTAL Income from Conferences</i>				
<b>7. CAPITAL GAIN (LOSS)</b>				
<i>TOTAL Net Gain or Loss</i>				
<b>9. RENTAL INCOME or (LOSS)</b>				
<i>TOTAL Rental Income or (Loss)</i>				
<b>10. INCOME FROM FUNDRAISING EVENTS</b>				
<i>TOTAL Income from Fundraising Events</i>				
<b>11. INCOME FROM GAMING ACTIVITIES</b>				
<i>TOTAL Income from Gaming Activities</i>				
<b>12. SALES OF INVENTORY...</b>				
<i>TOTAL Sales of Inventory, etc.</i>				
<b>14. TOTAL MISC. REVENUE</b>				
<i>TOTAL Misc. Revenue</i>				

Category	2013 Budget Proposed	2013 Budget Actual	2014 Budget Proposed	2014 Budget Actual to Date	
<b>EXPENSES</b>					
<b>4. NATIONAL MEETING EXPENSES</b>					
(4A) Speaker Fees and Per Diem		541			
(4B) Guest Registration/ Travel	5,000	593			
(4C) Speaker Breakfast/Lunch/Dinner			3,000	780	
(4D) Other Speaker Costs		5,182			
(4E) Planning Expenses					
(4F) Social Events			1,000		
(4G) Audio-Visual	1,000				
(4H) Other					
Centennial		277	39,000	7,499	XC add 15,000 to budget
Other On Site Expenses	150	1,000	150		
<b>TOTAL Other</b>	<b>150</b>	<b>1,277</b>	<b>39,150</b>	<b>7,499</b>	
Organizers					
Speaker Expense Fund	20,000	35,786	20,000	9,468	
Co-sponsored events				2,000	
<b>TOTAL Organizers</b>	<b>20,000</b>	<b>35,786</b>	<b>20,000</b>	<b>11,468</b>	
Program Chair					
Business Office - Patton	6,000		6,000	3,789	
Post Doc Reception	500		1,000	1,000	
<b>TOTAL Program Chair</b>	<b>6,500</b>	<b>0</b>	<b>7,000</b>	<b>4,789</b>	
<b>TOTAL National Meeting Expenses</b>	<b>32,650</b>	<b>43,379</b>	<b>70,150</b>	<b>24,535</b>	
<b>7. PUBLICATION EXPENSES</b>					
ENVR Web Page	4,000	5,000	300	3,000	Dallas minutes for 300
Staff+other	1,000		2,000		
Web Server	600		300		Dallas minutes for 300
<b>TOTAL Web Page</b>	<b>5,600</b>	<b>5,000</b>	<b>2,600</b>	<b>3,000</b>	
<b>TOTAL Publication Expenses</b>	<b>5,600</b>	<b>5,000</b>	<b>2,600</b>	<b>3,000</b>	
<b>8. CONFERENCES/WORSHOPS/MEETINGS</b>					
Conference & Committee Dues	100				
Inter Society Collaboration Pacifichem	1,500		1,500	303	
Green Chemistry Conference	2,000	1,000	2,000	2,000	
International Conferences	10,000	7,569	16,000	1,045	
Regional ACS Meetings	8,000	2,500	8,000	1,000	Dallas minutes FAME
Councilor Travel	9,600	11,396	9,600	5,855	
<b>TOTAL Conferences Expense</b>	<b>31,200</b>	<b>22,465</b>	<b>37,100</b>	<b>10,203</b>	
<b>9. ADMINISTRATIVE EXPENSES</b>					
<b>(9A) Officers/Executive Committee</b>	<b>600</b>		<b>600</b>	<b>40</b>	
Treasurer's Office Expenses	100	87	3,100	877	
Travel - Division Leadership Conf	2,500		2,500	1,175	
<b>TOTAL Officers/Executive Committee</b>	<b>3,200</b>	<b>87</b>	<b>6,200</b>	<b>2,092</b>	
<b>(9B) Committees</b>					
Dues	100				
<b>TOTAL Committees</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>(9C) Councilors</b>		<b>4,906</b>			
<b>(9D) National Meeting Travels/Meals</b>					
Travel (Officers/Executive Committee)	4,500	4,906	6,000	4,136	
Travel (Committees)	0	0	0		
Travel (Program Chair)	5,500	2,470	5,500	1,620	
Travel (Staff)	2,800	1,203	2,800	774	
<b>TOTAL National Meetings Travel/Meals</b>	<b>12,800</b>	<b>8,579</b>	<b>14,300</b>	<b>6,531</b>	
<b>(9E) Communications (postage, telephone, etc.)</b>					
Telephone (Officers/Executive Committee)					
Telephone (Business Office)	450		40		
Postage & Shipping (Officers/Executive Committee)	200		25		

American Chemical Society, Division of Environmental Chemistry  
Fall 2014 Budget Report

Category	2013 Budget Proposed	2013 Budget Actual	2014 Budget Proposed	2014 Budget Actual to Date
Postage & Shipping (Business Office - Members)	4,200	2,320	1,500	722
Shipping (Business Office - National Meetings)	250		100	
<b>TOTAL Communications</b>	<b>5,100</b>	<b>2,320</b>	<b>1,665</b>	<b>722</b>
<b>(9F) DLC/P2C2 Expenses</b>	<b>1,200</b>	<b>572</b>	<b>1,200</b>	<b>587</b>
<b>(9G) Office Supplies &amp; Operations (Bus. Office)</b>				
Archives (Bus. Office)	300		200	
Copies (Officers/Executive Committee)	100	159	10	
Copies (Bus Office)	100	100	100	
Printer				
Supplies (Officers/Executive Office)	200		50	
Supplies (Bus. Office)	1,000	2,236	1,000	873
Membership Activities	3,000	346	0	
Ballots				
Postage		1,346		
Ballot envelopes				
Election		300	300	
<b>Abstracts (?)</b>				
Misc Staff Salary	19,000	19,026	16,000	8,476
<b>TOTAL Bus Office</b>	<b>23,700</b>	<b>23,513</b>	<b>17,660</b>	<b>9,349</b>
<b>(9H) Other - Administrative Fees</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Bank charges	200	264	200	265
Legal Fees	0	0	0	0
2013 Form 990 CPA Preparation	950	950	1,000	950
<b>TOTAL Other - Administrative Fees</b>	<b>1,150</b>	<b>1,214</b>	<b>1,200</b>	<b>1,215</b>
<b>TOTAL Administration</b>	<b>47,250</b>	<b>41,190</b>	<b>42,225</b>	<b>20,497</b>
<b>10. OTHER EXPENSES - Social</b>				
Division Dinner	3,000	3,900	6,000	3,513
Plaques	100	100	100	
Student Awards	50	55	50	
Student Award Dinners				
<b>TOTAL Division Dinner</b>	<b>3,150</b>	<b>4,055</b>	<b>6,150</b>	<b>3,513</b>
Division Receptions				
Meeting Reception	5,000	12,884	8,000	2,182
Exec Committee	800	604	800	
<b>TOTAL Receptions</b>	<b>5,800</b>	<b>13,488</b>	<b>8,800</b>	<b>2,182</b>
<b>TOTAL Other Expenses - Social</b>	<b>8,950</b>	<b>17,543</b>	<b>14,950</b>	<b>5,695</b>
<b>11. Awards Expenses</b>				
Administration				
Certif of Merit Chair Travel	1,000	668	1,000	478
Gonter Chair Travel	500	61	500	
Telecommunications	100			
Postage	50		50	
Copies	1,000		800	
Supplies	50		50	391
<b>TOTAL Awards Administration</b>	<b>2,700</b>	<b>729</b>	<b>2,400</b>	<b>869</b>
Gonter Award	7,000	5,000	7,000	
Graduate Student	3,125	3,125	3,125	1,625
Sponsored Session: Student Awards		1,000	0	
CEU Grants	2,000		1,000	
SETAC Exchange	1175		1,175	
Creative Advances		4,225		
High School				
Community and K-12 Outreach	0	0	2,000	
Hancock Award (paid from Hancock Fund)	2,000	1,000	2,000	1,000
Undergrad Green Chem Registration	0	0	0	
Undergrad Green Chem Dinner	0	0	0	
<b>TOTAL Awards Expenses</b>	<b>18,000</b>	<b>15,079</b>	<b>18,700</b>	<b>3,494</b>

Category	2013 Budget Proposed	2013 Budget Actual	2014 Budget Proposed	2014 Budget Actual to Date
<b>TRANSFER TO INVESTMENT</b>				
<b>TOTAL EXPENSES</b>	<b>143,650</b>	<b>144,656</b>	<b>185,725</b>	<b>67,424</b>
<b>BALANCE</b>	<b>-12,150</b>	<b>1,861</b>	<b>-48,824</b>	<b>33,088</b>

**Note: Need to use investment fund to cover Centennial activities**

<b>1. CONTRIBUTIONS</b>				
<i>TOTAL Contributions</i>				
<b>2. BENEFITS PAID TO OR FOR MEMBERS</b>				
<i>TOTAL Benefits Paid to Members</i>				
<b>3. SALARY, other COMP., EMPLOYEE BENEFITS</b>				
<i>TOTAL Salary, other Comp., etc.</i>				
<b>5. INVESTMENT EXPENSE</b>				
<i>TOTAL Investment Expense</i>				
<b>6. EXPENSES from SELF-SUSTAINING ACTIVITIES</b>				
<i>TOTAL Expenses from Self-Sust. Activities</i>				

ENVR Proposed Budget for 2015

2015 Proposed  
Budget

Category

Category	2015 Proposed Budget
<b>INCOME</b>	
<b>2. MEMBERSHIP &amp; DUES &amp; ASSESSMENTS</b>	
(2D) ACS Allotment	49,000
(2ABC) Dues	53,000
<b>TOTAL Dues &amp; Assessment Income</b>	<b>102,000</b>
<b>1. CONTRIBUTIONS</b>	
(1A) Meeting Grants	1,000
(1B) Awards	5,000
(1E) ACS Innovative Project Funding	12,500
(1F) Donations	3,500
(1G) Other Contributions	10,000
(1H) Councilor Travel	9,600
<b>TOTAL Contribution Income</b>	<b>41,600</b>
<b>6. INVESTMENT INCOME (Interest &amp; Dividends)</b>	<b>0</b>
<b>8. ROYALTIES</b>	<b>5,000</b>
<b>13. ALL OTHER REVENUE - Socials</b>	<b>4,500</b>
<b>TOTAL INCOME</b>	<b>153,100</b>
<b>EXPENSES</b>	
<b>4. NATIONAL MEETING EXPENSES</b>	
(4B) Guest Registration/ International Travel Grants	0
(4C) Speaker Breakfast/Lunch/Dinner	3,000
(4D) Other Speaker Costs	
(4F) Social Events	1,000
(4H) Other	150
<b>TOTAL Other</b>	<b>4,150</b>
Organizers	
Speaker Expense Fund	20,000
Co-sponsored events	.
<b>TOTAL Organizers</b>	<b>20,000</b>
Program Chair	

Business Office - Patton	6,000
Post Doc Reception	1,000
<b>TOTAL Program Chair</b>	<b>7,000</b>
<b>TOTAL National Meeting Expenses</b>	<b>31,150</b>
<b>7. PUBLICATION EXPENSES</b>	
<b>TOTAL Web Page</b>	<b>3,000</b>
<b>TOTAL Publication Expenses</b>	<b>3,000</b>
<b>8. CONFERENCES/WORSHOPS/MEETINGS</b>	
Strategic Planning Workshop	30,000
Inter Society Collaboration	1,500
Pacificchem	10,000
Green Chemistry Conference	2,000
International Conferences	8,000
Regional ACS Meetings	8,000
Councilor Travel	9,600
<b>TOTAL Conferences Expense</b>	<b>69,100</b>
<b>9. ADMINISTRATIVE EXPENSES</b>	
<b>(9A) Officers/Executive Committee</b>	<b>600</b>
Treasurer's Office Expenses	600
Travel - Division Leadership Conf	2,500
<b>TOTAL Officers/Executive Committee</b>	<b>3,700</b>
<b>(9B) Committees</b>	<b>0</b>
<b>(9C) Councilors</b>	<b>0</b>
<b>(9D) National Meeting Travels/Meals</b>	
Travel (Officers/Executive Committee)	6,000
Travel (Committees)	0
Travel (Program Chair)	5,500
Travel (Contractor)	2,800
<b>TOTAL National Meetings Travel/Meals</b>	<b>14,300</b>
<b>(9E) Communications (postage, telephone, etc.)</b>	<b>1,665</b>
<b>(9F) DLC/P2C2 Expenses</b>	<b>1,200</b>
<b>(9G) Office Supplies &amp; Operations (Bus. Office)</b>	
Archives (Bus. Office)	200
Copies (Officers/Executive Committee)	10
Copies (Bus Office)	100
Printer	
Supplies (Officers/Executive Office)	50
Supplies (Bus. Office)	1,000
Membership Activities	300

Misc Contractor	16,000
<b>TOTAL Bus Office</b>	<b>17,660</b>
<b>(9H) Other - Administrative Fees</b>	<b>0</b>
Bank charges	400
Legal Fees	0
Form 990 CPA Preparation	1,000
<b>TOTAL Other - Administrative Fees</b>	<b>1,400</b>
<b>TOTAL Administration</b>	<b>39,925</b>
<b>10. OTHER EXPENSES - Social</b>	
Division Dinner	<b>6,000</b>
Division Receptions	
Meeting Reception	8,000
Exec Committee	800
<b>TOTAL Receptions</b>	<b>8,800</b>
<b>TOTAL Other Expenses - Social</b>	<b>14,800</b>
<b>11. Awards Expenses</b>	
Administration	
Certif of Merit Chair Travel	1,000
Gonter Chair Travel	500
Supplies	900
<b>TOTAL Awards Administration</b>	<b>2,400</b>
Gonter Award	7,000
Graduate Student	3,125
CEU Grants	1,000
SETAC Exchange	1175
Creative Advances	0
Community and K-12 Outreach	2,000
Hancock Award (paid from Hancock Fund)	0
<b>TOTAL Awards Expenses</b>	<b>16,700</b>
<b>TRANSFER TO INVESTMENT</b>	
<b>TOTAL EXPENSES</b>	<b>174,675</b>
<b>BALANCE</b>	<b>-21,575</b>



# ACS Division of Environmental Chemistry -- Business Office Report

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August 2014

It is hard to believe the Division's centennial year is coming to a close. Needless to say, work in the business office has been focused on centennial programming and preparation for the past few months. For Dallas and San Francisco meetings we managed 150 organizers, 1349 abstracts divided into 48 symposia, and 7 social events. Many thanks to the entire executive committee for all the hard work it took to plan both meetings.

## Dallas (247<sup>th</sup>) National Meeting

Although the Dallas meeting was smaller than an average national meeting, ENVR programming was well-received. We had several new symposium organizers, some of whom are also programming in San Francisco.

Commemorative pins and ENVR pens were distributed to all presenters and made available to attendees at the division welcome table.

The ENVR Reception was held at the Red Museum, with classic Tex-Mex fare catered by Pappas' Catering. Financial support was provided by ES&T Journal and ES&T Letters, and several ES&T Editors attended. Ticket price was \$10; 137 tickets sold. Net price to the division was \$4502.

Centennial Cupcake Socials were held in the same venue with ENVR programming on Sunday and Wednesday afternoons. Only a handful of members attended, so we did not schedule similar events in San Francisco.

## San Francisco (248<sup>th</sup>) National Meeting

The bulk of programming and social events will be in San Francisco, and it promises to be a large and exciting meeting. Almost 900 ENVR abstracts will be presented in 8 concurrent sessions. The 13<sup>th</sup> IUPAC Pesticide Conference, a satellite conference hosted by AGRO and cosponsored by ACS, will be held in the same venue with ENVR technical sessions. We are cosponsoring several IUPAC symposia. IUPAC registration allows access to the ACS meeting, which will hopefully bring more attendees to ENVR sessions.

On Monday morning, session breaks will be coordinated so everyone can attend the **Centennial Coffee Break** in the Golden Gate Foyer (outside the plenary session room).

The **Organizers' Luncheon** will be **Monday, August 11, 12:00-2:00** at Annabelle's Bar & Bistro. Executive committee members are welcome to attend.

The **Centennial Reception** is planned in lieu of a division dinner at McLoughlin Gallery, **6:00-7:30 pm on Tuesday, August 12**. Kudos to Jillian Goldfarb for finding an interesting location and excellent caterer (Willowstone Catering). We offered 120 tickets for sale (30 students - \$15, 90 regular - \$25) and the reception sold out in the first week. Financial support is provided by ES&T Journal and ES&T Letters, and by Agilent Technologies (thank you, George Cobb!).

A slide show is prepared for the reception highlighting the division's history and memories from former Certificate of Merit and Graduate Student Award winners. Todd Anderson will present the Gonter Awards at the reception.

## Denver (249<sup>th</sup>) Meeting

ACS will roll out the new abstract management system ('MAPS') for the Denver meeting, which is already proving to be simpler than PACS. We have 21 symposia planned.

We will return to the normal social cycle in 2015 with a reception in Denver and the division dinner in Boston.

### Member Communications

ACS has decided to continue services with Real Magnet for sending mass emails, such as the division newsletter and other announcements. This service allows the business office to directly send emails without involving ACS staff, and includes tracking features. Typically 30% of our members are opening the messages.

### Outreach

I plan to attend PacifiChem 2015 and have requested to have a small ENVR welcome table set up. I will contact executive committee and other volunteers about manning the table.

### Operations Manual

The process of updating the ENVR operations manual will begin after the San Francisco Meeting.

Peney Patton  
Business Office Manager  
ACS Division of Environmental Chemistry  
August 1, 2014

Greetings:

Here is the breakdown of how the \$1000 grant from ENVR was used to support graduate student participation in the Florida ACS FAME-2014 conference:

- \$140 Adegboyega, Nathaniel
- \$95 Cook, Monica
- \$100 Dual, Angela
- \$100 Farst, Carley
- \$140 He, Ding
- \$145 Le, Tri
- \$140 Wagner, Sasha
- \$140 Ya, Chao
- \$1000 Total for grad student speakers (from ACS ENVR funds).

The attached file shows the schedule for the full-day Environmental Chemistry session.

I know that the students very much appreciated the support from ENVR (as did !!), and I hope that we can request support for next year.

Thanks very much,

Bill Landing

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William M. Landing, Ph.D.

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FAME 2014 Schedule:		
<b>Thursday, May 8, 2014</b>		
12:00-5:00 pm	Registration and check-in	
6:00-9:00 pm	<b>Poster Session I</b>	<b>Environmental Chemistry Posters: by Kenley Herbert (FAMU), Jenny Luu (FAMU) and Blanca Jara (FIU)</b>
9:00 pm - ??	<b>Graduate / Faculty Mixer</b>	
<b>Friday May 9, 2014</b>		
<b>Environmental Chemistry Sessions</b>		
	Speaker	Title
8:30 - 8:50	Prof. Kristen Buck (USF, Invited)	HEAVY METAL HOOKUPS: THE IMPORTANCE OF LIGANDS IN FE AND CU BIOGEOCHEMISTRY
8:50 - 9:10	Prof. Kristen Buck (continued)	
9:10 - 9:30	Tri Le (UNF)	POLYCYCLIC AROMATIC HYDROCARBON EFFECTS ON MORPHOLOGY OF FISSION YEAST OBSERVED BY IMAGING FLOW CYTOMETRY
9:30 - 9:50	Prof. Dean Martin (USF)	RED TIDE RESEARCH AT USF'S CHEMISTRY DEPARTMENT -- A SUMMARY
9:50 - 10:10	Monica Cook (USF)	ENDOCRINE-DISRUPTING COMPOUNDS: EXPLORING SOLUTIONS TO ENVIRONMENTAL POLLUTION
10:10 - 10:30	Nathaniel Adegboyega (FIT)	NATURALLY OCCURRING SILVER NANOPARTICLES: THEIR FORMATION AND THE EFFECT OF IRON REDOX PROCESSES
10:30 - 11:15	<b>Break (Poster Session 1 cont.)</b>	
11:15 - 11:35	Sasha Wagner (FIU)	MOLECULAR CHARACTERIZATION OF DISSOLVED BLACK NITROGEN
11:35 - 11:55	Ding He (FIU)	ASSESSMENT OF VEGETATION SHIFTS AND HYDROLOGICAL CHANGE THROUGH BIOMARKERS AND COMPOUND SPECIFIC $\delta D$ - $\delta^{13}C$ ANALYSES IN A SUBTROPICAL WETLAND
11:55 - 12:15	Chao Ya (FIU)	ORGANIC MATTER DYNAMICS IN A MANGROVE DOMINATED ESTUARY: LINKING PARTICULATE ORGANIC MATTER WITH DISSOLVED ORGANIC MATTER
12:15 - 1:30	<b>Lunch</b>	
1:30 - 1:50	<b>Intentionally left open</b>	
1:50 - 2:10	Jillian Goldfarb (Boston University)	INTEGRATED BYPRODUCT CONVERSION PATHWAYS FOR MITIGATING THE ENVIRONMENTAL IMPACT OF OLIVE MILL WASTE
2:10 - 2:30	Angela Dial (FSU)	MAGNESIUM ISOTOPES AS A GEOCHEMICAL PROXY FOR PALEOCLIMATE
2:30 - 2:50	Carley Farst (FSU)	ISOLATION OF MARINE SIDEROPHORES
2:50 - 3:10	Dr. Peter Morton (FSU)	TOO MUCH CD IN THE WESTERN NORTH PACIFIC: SOURCES, SINKS AND THE BIOLOGICAL RESPONSE
3:10 - 3:30	Prof. William Landing (FSU)	USING BERYLLIUM-7 TO QUANTIFY THE FLUXES OF TRACE ELEMENTS FROM THE ATMOSPHERE TO THE OCEANS
3:30 - 4:00	<b>Break (Poster Session 1 cont.)</b>	
4:00 - 5:30	<b>Showcase Symposium</b>	
5:30 - 5:45	<b>Evening Break</b>	
5:45 - 6:30	<b>Showcase Symposium</b>	
6:30 - 7:30	<b>Plenary Speaker: Tom Barton (ACS President, 2014)</b>	

To: ACS Division of Environmental Chemistry Executive Committee

From: ENVR Appropriations Committee (Vic Turoski, Frank Amore, and Jennifer Maclachlan)

Re: Requests for Financial Support to be reviewed at the ACS Fall Meeting – San Francisco – August 10-14, 2014

Date: 25 March 2014

Only one request for ENVR financial support has been received by the ENVR Appropriations Committee to date. This request is due for consideration by the ENVR Executive Committee at the August 2014 ACS National Meeting.

The Appropriations Committee has reviewed the request for \$500 (provided below) and recommends that it be accepted. Our Division has funded symposia in the SERMACS meeting previously.

#### ENVR Appropriations Request #1

Information for use by the ACS Division of Environmental Chemistry Executive Committee to approve or deny your request for support.

Support Requested: \$500

Event Host Organization (Include contact name, position, email, phone):

Southeast Regional Meeting of the American Chemical Society

Dr. Wendy Cory, Associate Professor, Department of Chemistry and Biochemistry, College of Charleston

Event Name: Southeast Regional Meeting of the American Chemical Society Symposium Honoring Frank Kinard, "Honoring W. Frank Kinard – Professor, Nuclear Chemist, Mentor, Friend"

Event Dates: The Southeast Regional Meeting of the American Chemical Society will be held October 16-19, 2014. This symposium will be held on October 18.

Event Included in an ACS Meeting? YES  NO  National  Regional  Local

Purpose of Event:

This symposium was planned to bring together researchers who worked with Frank Kinard. Speakers will talk about their research in the areas of Nuclear and/or Environmental Chemistry. They will also share stories about Frank. Frank was very active in the American Chemical Society and has many former students and former colleagues actively involved in the areas of research that were important to Frank. This symposium will be a celebration of that research and of Frank's life and career.

**Proposed Use for Support:**

To help participants in this session with their travel costs, \$100 per speaker (except myself)

If approved, payment information: I think it would be easiest for me to give you a list of speakers and their addresses if this is approved. If this is not OK, you can use this information:

Payee: Wendy Cory  
Mail Check to: Department of Chemistry and Biochemistry  
College of Charleston  
66 George Street  
Charleston SC 29424

Two other requests for funding were voted on and approved by e-mail vote of the ENVR Executive Committee. These two requests were not submitted to the Appropriations Committee beforehand because of severe time constraints.

a = \$21,400 for ACS Centennial Expenses

b = \$500 to co-sponsor a symposium with Analytical

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Guidelines for ACS Division of Environmental Chemistry (ENVR) Financial Donations

These guidelines should be used to determine the appropriateness and the extent of ENVR donations to other organizations

- ✓ The requesting organization should have goals similar to those of ENVR:
  - To increase the knowledge of base of chemistry in general and environmental chemistry in particular
  - To increase the awareness of environmental chemistry to the public at large
  - To assist and promote the pursuit of chemistry by deserving students
  
- ✓ The requesting organization must submit a written request to ENVR citing the amount required. This request should include a description of how the ENVR donation will be used and describe the proposed benefit(s) that the donation will affect.

Report Submitted on 07/25/2014 by:

Vic Turoski

Frank Amore

Jennifer Maclachlan

## Agenda—Fall 2014

### **Division of Environmental Chemistry Long Range Planning**

**Pacific Room D, San Francisco Marriott Marquis**

3:00- 5:00 PM

Sunday, August 10, 2014

Welcome and call to order	5 min
Leadership Development	15 min
<ul style="list-style-type: none"><li>• Recruiting (Committees, Liaisons, Meeting Volunteers)</li><li>• Succession Planning (Committees, Officers, Programming)</li><li>• Acknowledgement (Awards and Recognitions)</li></ul>	
Strategic Planning	60 min
<ul style="list-style-type: none"><li>• Timelines</li><li>• Scope</li><li>• Participants</li><li>• Communications</li><li>• Budgeting</li></ul>	
Engaging Within ACS	20 min
<ul style="list-style-type: none"><li>• Continued Organizing by Young Professionals in Regions</li><li>• Opportunity to Collaborate with CEI on Climate and Water Initiatives</li><li>• YCC engagement</li></ul>	
Engaging Other Professional Societies	15 min
<ul style="list-style-type: none"><li>• Pacifichem</li><li>• IUPAC: Programming Grants</li><li>• Serbian Chemical Society</li><li>• Others</li></ul>	
Other topics	5 min

# 248<sup>th</sup> ACS National Meeting & Exposition

San Francisco, CA- August 10-14, 2014

Division of Environmental Chemistry

Dionysios D. Dionysiou, Program Chair

<b>ENVR: Division of Environmental Chemistry: Non-Technical Events</b>	<b>S</b>	<b>M</b>	<b>T</b>	<b>W</b>	<b>T</b>
Program Planning Committee Meeting – Pacific Rm D, San Francisco Marriott Marquis	2:00-3:00 pm				
Long Range Planning Committee Meeting - Pacific Rm D, San Francisco Marriott Marquis	3:00-5:00 pm				
Business Meeting – Pacific Rm J, San Francisco Marriott Marquis <i>Open to all ENVR Members, Refreshments served</i>	7:00-7:30 pm				
Executive Committee Meeting - Pacific Rm J, San Francisco Marriott Marquis	7:30-10:00 pm				
Centennial Coffee Break – Golden Gate Foyer, San Francisco Marriott Marquis <i>ENVR session attendees welcome</i>		9:45-10:30 am			
Centennial Reception – McLoughlin Gallery, 49 Geary St., #200 Financial support provided by Agilent Technologies, ES&T Journal, and ES&T Letters; catered by Willowstone Catering - <i>Ticketed Event: \$25 (\$15 student)</i>			6:00-7:30 pm		

## ALL ENVR TECHNICAL SESSIONS HELD IN SAN FRANCISCO MARRIOTT MARQUIS

<b>ENVR: Division of Environmental Chemistry: Technical Sessions</b>	<b>S</b>	<b>M</b>	<b>T</b>	<b>W</b>	<b>T</b>
Toxicology of Environmental Pollutants <i>Organizers: S. Uchimiya, X. Pan, B. Zhang Yerba Buena Salon 12</i>	A			E	
Assessing the Implications of Nanotechnology** <i>Cosponsored by COLL and GEOC Organizers: A. Keller, G. Lowry Foothill E</i>	D	D		E	
Environmental Applications and Implications of Graphene-Based Nanomaterials <i>Organizers: D. Bouchard, M. Hersam, S. Walker, I. Chowdhury Golden Gate C3</i>	D			E	
Great Lakes Restoration Initiative: An Environmental Chemistry Challenge <i>Organizers: D. Dionysiou, J. Pagano Foothill D</i>	D			E	
Occurrence, Formation, Health Effects, and Control of Disinfection By-Products (DBPs)** <i>Financially supported by Water Research Foundation; Cosponsored by CEI; Organizers: P. Westerhoff, T. Karanfil, Y. Xie, W. Mitch Golden Gate C1</i>	D	D	D	DE	
Pyrogenic Carbonaceous Materials as Adsorbents of Inorganic and Organic Compounds: Fundamentals and Applications** <i>Cosponsored by AGRO; Organizers: F. Xiao, J. Pignatello, B.Xing, U. Ghosh Foothill F</i>	D			E	
Reactive Membranes and Surfaces in Water Treatment Applications <i>Organizers: B. Chaplin, D. Jassby, K. Jones, Foothill G1</i>	D			E	
Synergism Between Microbiology and Chemistry for Environmental Sustainability** <i>Cosponsored by CEI; Organizers: R. Goel, S. Mahendra Golden Gate C2</i>	D	A		E	

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Thermodynamics and Kinetics in Treatment Processes, Past, Present, and Future: Symposium in Honor of Professor Chin-Pao Huang <b>Organizers:</b> P. Chiu, Z. Qiang, A. Davis, G. Chen, V. Sharma, R. Doong <b>Club Room</b>	D	D		E	
Environmental Chemistry: 100 Years of Scientific Contribution for a Safer and Sustainable Environment** Financially supported by Agilent Technologies, DAC and MPPG; Cosponsored by CEI, PRES, and SCHB <b>Organizers:</b> S. Al-Abed, D. Dionysiou <b>Golden Gate A</b>		A			
Theoretical and Computational Approaches To Environmental Chemistry <b>Organizers:</b> S. Eustis, <b>Foothill D</b>		A		E	
Engineering Nanomaterials for Energy, Environmental Science and Biomedical Applications <b>Organizers:</b> J. Song, Ji. Mi, <b>Golden Gate C3</b>		D		E	
Occurrence, Fate, and Removal of Pharmaceutical and Personal Care Products and Endocrine Disrupting Chemicals**Cosponsored by CEI; <b>Organizers:</b> A. Hernandez, L. Blaney <b>Foothill F</b>		D	D	E	
Water Challenges and Solutions on the Global Scale** Financially supported by Global Innovation Imperatives; Cosponsored by CEI and MPPG; <b>Organizers:</b> B. Loganathan, D. Dionysiou, H. Taft, J. De Andrade, S. Ahuja, K. Hristovski <b>Foothill G1</b>		D		E	
New Advances in the Chemistry and Application of Advanced Oxidation Processes for Removal of Contaminants of Emerging Concern <b>Organizers:</b> K. Oshea, S. Canonica, D. Dionysiou, D. Minakata, G. Li Puma <b>Golden Gate C2/Golden Gate C3/Club Rm</b>		P	D	DE	D
Science in the Realm of Environmental Policy: Opportunities and Challenges**Cosponsored by MPPG; <b>Organizers:</b> C. Pepper, R. Garant, J. D. Gerlach <b>Foothill D</b>		P			
Sci-Mix <b>Hall D, Moscone Center</b>		E			
Natural Attenuation of Emerging Contaminants in the Urban Water Cycle**Cosponsored by CEI; <b>Organizers:</b> F. Rosario, O. Keen <b>Foothill D</b>			A		
Recent Development of Environmental Chemistry in Asia <b>Organizers:</b> C. Lin, D. Dionysiou, M. Lam, R. Luque, E. Uckun Kiran, E. Mubofu <b>Golden Gate C3</b>			A	E	
Evolving Science and Environmental Impacts of Hydraulic Fracturing** Cosponsored by CEI and PRES; <b>Organizers:</b> T. Barton, <b>Foothill E</b>			D	DE	
Novel Membranes and Membrane Processes for Desalination and Water Treatment**Cosponsored by CEI and POLY; <b>Organizers:</b> V. Tarabara, K. Chen, B. Mi <b>Foothill G1</b>			D	E	
Women in Environmental Science and Engineering** Financially supported by MPPG and DAC; Cosponsored by PROF, SCHB, and WCC; <b>Organizers:</b> A. Gu, C. Lee, E. Carraway, J. Hill, R. Brennan, S. Simonich, S. Richardson, D. Dionysiou, H. Hsu-Kim, J. Goldfarb, I. Escobar <b>Club Room</b>			D	E	
C. Ellen Gonter Environmental Chemistry Award Symposium <b>Organizers:</b> T. Anderson <b>Foothill D</b>			P		
Special Symposium in Honor of Professor Richard L. Valentine <b>Organizers:</b> D. Cwiertny, P. Vikesland, C. Jafvert <b>Golden Gate C3</b>			P	DE	



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Real Time Monitoring of Surface Waters for Nutrient and Water Supply Management <b>Organizers: H. Pang, J. Gibbs, R. Lippincott, T. Marhaba, P. Schorr Foothill F</b>				A	
Chemistry of Atmospheric Nitrogen-Containing Compounds**Cosponsored by <b>PHYS; Organizer: S. Nizkorodov, A. Laskin, S. Brown Foothill D</b>				DE	A
Heterogeneous Catalysis for Environmental and Energy Applications** Cosponsored by <b>CATL; Organizers: M. Castaldi, A. Savara, A. Orlov Club Room, San Francisco</b>				DE	A
Humic Substances and Its Critical Role in Environmental Chemistry: The Past 50 Years, Present Knowledge and Future Research Opportunities <b>Organizers: I. Suffet, J. Pedersen, F. Rosario Foothill G1/Foothill D</b>				DE	D
Analytical Methods for Detecting and Prioritizing Contaminants of Concern <b>Organizers: J. Field, H. Done, R. U. Halden, D. Barcelo, S. Richardson, L. Ferguson, Foothill F/Golden Gate C1/Foothill E</b>				PE	D
California Air Monitoring: From Inception To Current Trends in the New Millennium** <b>Organizers: J. Maclachlan, J. Driskoll Golden Gate A/B</b>				E	
General Posters <b>Golden Gate A/B, SF Marriott Marquis</b>				E	
Green Chemistry and the Environment** Cosponsored by CEI, MPPG and ENFL <b>Organizers: R. Luque, S. Obare Foothill E/Foothill G1</b>				E	D
Monitoring and Evaluating Environmental Exposures <b>Organizers: H. Bean, J. Pleil, J. Hill Golden Gate C2</b>				E	A
<b>Co-sponsored Symposia:</b>					
IUPAC: Agricultural Biotechnology*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Ecosystem and Human Exposure and Risk Assessment*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Emerging Issues and Challenges*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Environmental Fate and Metabolism*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Formulation and Application*(AGRO) <b>San Francisco Marriott Marquis</b>			D	D	
Hot Topics: Communicating Risk*(CEI) <b>Juniper Rm, San Francisco Marriott Marquis</b>	P				
International Collaborations with International Impact: Chemistry for Global Change*(CHED) <b>Moscone Center, South Bldg. Esplanade Ballroom 304</b>			D		
Undergraduate Research Posters*(CHED) <b>Moscone Center, North Bldg. Hall D</b>		P			
Environmental Interfaces in the Atmosphere: From Surface Chemistry To Air Quality, Climate, and Health Effects*(COLL) <b>Moscone Center, North Bldg. Rm 270</b>	DE	D			
Asia-America Chemical Symposium*(IAC) <b>Moscone Center, South Bldg. Esplanade Ballroom 300</b>			D		
A Lifetime of Contributions To Science, Summer Schools and Our NUCL Division Family: Symposium in Honor of Frank Kinard*(NUCL) <b>Pacific I, San Francisco Marriott Marquis</b>		D			

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Division of Environmental Chemistry

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Environmental Radiochemistry*(NUCL) Pacific H, San Francisco Marriott Marquis			D	D	
Fundamental Processes of Atmospheric Chemistry*(PHYS) Moscone Center, West Bldg. Room 2010	D	D	A	A	
Transport in Polymer Membranes*(POLY) Hilton San Francisco Union Square, Room Golden Gate 8			DE	D	D

**A** = AM; **P** = PM; **D** = AM/PM; **E** = EVE; **AE** = AM/EVE; **DE** = AM/PM/EVE; **PE** = PM/EVE

\*Cosponsored symposium with primary organizer shown in parenthesis; located with primary organizer.

**AMERICAN CHEMICAL SOCIETY**  
**DIVISION OF ENVIRONMENTAL CHEMISTRY**  
**CALL FOR PAPERS**

249TH ACS NATIONAL MEETING  
Denver, CO, March 22-26, 2015

Dear Colleagues,

I invite you to join us and share your research results and progress in your research in the Division of Environmental Chemistry program at the 249th ACS National Meeting in Denver, CO, March 22-26, 2014.

**ENVR Program Chair:** Souhail Al-Abed, Ph.D., U.S. EPA, 26 W. Martin Luther King Drive, Cincinnati, OH 45268; Tel.: 513-569-7849, Fax: 513-569-7879; E-mail: [al-abad.souhail@epa.gov](mailto:al-abad.souhail@epa.gov)

**Abstract Submission:** August 25 – October 20, 2014, <http://abstracts.acs.org>

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Advances in Analytical Chemistry for Discovering Emerging Contaminants in the Natural Environment,  
*Organizers:* Tammy Jones-Lepp, [jones-lepp.tammy@epa.gov](mailto:jones-lepp.tammy@epa.gov); David Alvarez, [dalvarez@usgs.gov](mailto:dalvarez@usgs.gov)

Assessing Toxicity of Environmental Contaminants, *Organizers:* Xiaoping Pan, [panx@ecu.edu](mailto:panx@ecu.edu); Sophie Minori Uchimiya, [sophie.uchimiya@ars.usda.gov](mailto:sophie.uchimiya@ars.usda.gov); Jiafan Wang, [jiafan.wang@basf.co](mailto:jiafan.wang@basf.co); Baohong Zhang, [Zhangb@ecu.edu](mailto:Zhangb@ecu.edu)

Bioavailability and Biogeochemical Interactions Affecting Remediation of Hazardous Substances in the Environment, *Organizers:* James Ranville, [jranvill@mines.edu](mailto:jranvill@mines.edu); Heather Henry, [henryh@niehs.nih.gov](mailto:henryh@niehs.nih.gov)

Biogenically Enhanced Recovery and Bioremediation in Fossil Fuel Reservoirs, *Organizers:* Michael Urynowicz, [murynowi@uwo.edu](mailto:murynowi@uwo.edu); Donna Drogos, [ddrogos@uwo.edu](mailto:ddrogos@uwo.edu)

Chemical Processes at Environmental Interfaces, Cosponsor: COLL, *Organizers:* Hind A. Al-Abadleh, [halabadleh@wlu.ca](mailto:halabadleh@wlu.ca); Hashim Ali, [hali@astate.edu](mailto:hali@astate.edu); Ryan Hinrichs, [rhinrich@drew.edu](mailto:rhinrich@drew.edu); Nadine Kabengi, [kabengi@gsu.edu](mailto:kabengi@gsu.edu)

Chemistry in the Marine Boundary Layer, *Organizers:* Barbara D'Anna, [barbara.danna@ircelyon.univ-lyon1.fr](mailto:barbara.danna@ircelyon.univ-lyon1.fr); Jamie Donaldson, [jdonalds@chem.utoronto.ca](mailto:jdonalds@chem.utoronto.ca)

Conservation of Natural Resources through Sustainable Materials Management, *Organizers:* Thabet Tolaymat, [tolaymat.thabet@epa.gov](mailto:tolaymat.thabet@epa.gov); Souhail Al-Abed, [al-abad.souhail@epa.gov](mailto:al-abad.souhail@epa.gov); Katsuya Kawamoto, [kkawamoto@okayama-u.ac.jp](mailto:kkawamoto@okayama-u.ac.jp)

Dispersion of Nanoparticles and its Implication for Interfacial, Biological and Environmental Processes,  
*Organizers:* Bo Pan, [panbocai@gmail.com](mailto:panbocai@gmail.com); Navid Saleh, [navid.saleh@austin.utexas.edu](mailto:navid.saleh@austin.utexas.edu); Peter Vikesland, [pvikes@vt.edu](mailto:pvikes@vt.edu); Baoshan Xing, [bx@umass.edu](mailto:bx@umass.edu)

Enantioselective Biotransformation of Chiral Pollutants in Soils and Water, *Organizers:* James M. Schmidt, [schmidtj@abclabs.com](mailto:schmidtj@abclabs.com)

Environmental Chemistry and Health Impacts of Fine and Ultrafine Particulate Matter, *Organizers:* Slawo Lomnicki, [slomni1@lsu.edu](mailto:slomni1@lsu.edu)

Environmental Chemistry of Natural Resources at Animal Production Sites, *Organizers*: Rolf Halden, rolf.halden@asu.edu; Hansa Done, hansa.done@asu.edu

Environmental Chemistry: Pedagogical Models and Practices, *Organizers*: Elizabeth S. Roberts-Korchhoff, robkires@udmercy.edu; Katherine C. Lanigan, lanigakc@udmercy.edu

Environmental Implications of Nano: Release from Consumer Products and Advances in Nanometrology, *Organizers*: Robert Reed, rob.reed@asu.edu; Frank von der Kammer, frank.von.der.kammer@univie.ac.at; Jim Ranville, jranvill@mines.edu; Chris Higgins, chiggins@mines.edu

Environmental Reactivity of Organic Micropollutants and Their Transformation Products in Receiving Waters, *Organizers*: William Arnold, arno1032@umn.edu; Yu-Ping Chin, chin.15@osu.edu; Kristine Wammer, khwammer@stthomas.edu

General Posters, *Organizers*: Souhail Al-Abed, al-abad.souhail@epa.gov

Green Chemistry and the Environment, *Organizers*: Rafael Luque, q62alsor@uco.es; Alina Balu, Alina.balu@avantium.com; Sherine Obare, sherine.obare@wmich.edu

Hydrogel Technologies for Environmental Sensing, Water Treatment, Remediation, and Chemical Capture/Recycling, *Organizers*: Thomas A. Duster, thomas.duster@nist.gov; Jason Holm, ; Indira Sriram, indirasriram@gmail.com

Microalgae: A Renewable Energy Source and a Sustainable Solution for the Environment, *Organizers*: Wen Zhang, wzhang81@njit.edu; Brian Chaplin, bpchaplin@gmail.com; Danmeng Shuai, danmengshuai@gwu.edu

Modern Analytical Approaches for the Characterization of Natural Organic Matter in the Environment, *Organizers*: Julie A. Korak, julie.korak@colorado.edu; Kaelin Cawley, kaelin.cawley@colorado.edu; Fernando L. Rosario-Ortiz, fernando.rosario@colorado.edu; George Aiken, graiken@usgs.gov

Oil & Gas - Water Nexus: Hydraulic Fracturing Impacts on Water and Soil Quality, *Organizers*: Thomas Borch, thomas.borch@colostate.edu; Jens Blotevogel, jens.blotevogel@colostate.edu; Radisav Vidic, vidic@pitt.edu; Rob Jackson, rob.jackson@stanford.edu

Solutions to Metals Contamination of Water, *Organizers*: Satinder Ahuja, sutahuja@atmc.net; John W. Finley, jfinley@agcenter.lsu.edu; James N. Seiber, Jseiber@ucdavis.edu

Surface Physicochemical Processes in Engineered and Natural Systems, *Organizers*: Haizhou Liu, haizhou@enr.ucr.edu; Jose M. Cerrato, jcerrato@unm.edu; Huichun (Judy) Zhang, hjzhang@temple.edu

Trace Materials in Air, Soil, and Water, *Organizers*: Mark E Benvenuto, benvenma@udmercy.edu; Kendra R Evans, evanskr@udmercy.edu; Alexa Rihana-Abdallah, rihanaa@udmercy.edu

Water Recycling in Domestic Use, Energy Extraction, and Agricultural Use, *Organizers*: Jamie Hestekin, jhesteki@uark.edu; Isabel Escobar, isabel.escobar@utoledo.edu

Water Sustainability in Oil and Gas Exploration: Treatment Issues, *Organizers*: Karl Linden, karl.linden@colorado.edu; Tzahi Cath, tcath@mines.edu

**Cosponsored Symposium:** Water: Our Most Critical Resource [AGFD]

**American Chemical Society**  
**Demographics Report**

**D511 - Environmental Chemistry Division****As of 30 - Jun - 2014**

Member Type	Group	Age Group			Years Of Service			
		Count	%	Group	Count	%		
<b>Group</b>	<b>Count</b>	<b>%</b>	11-20	9	0.20	0	40	0.88
Division Affiliate	28	0.62	21-25	119	2.62	1	1,403	30.88
Emeritus Member	158	3.48	26-30	144	3.17	2	500	11.01
Regular Member	3,304	72.73	31-35	193	4.25	3	320	7.04
Regular Student Member	568	12.50	36-40	265	5.83	4	234	5.15
Retired Member	57	1.25	41-45	234	5.15	5	191	4.20
Society Affiliate	29	0.64	46-50	330	7.26	6-10	533	11.73
Student Member - UnderGrad	399	8.78	51-55	390	8.58	11-15	431	9.49
<b>Total</b>	<b>4,543</b>	100.00	56	68	1.50	16-20	291	6.41
			57	85	1.87	21-25	254	5.59
			58	92	2.03	26-30	158	3.48
			59	81	1.78	31-35	97	2.14
			60	66	1.45	36-40	55	1.21
			61	75	1.65	41-45	36	0.79
			62	77	1.69	<b>Total</b>	<b>4,543</b>	100.00
			63	57	1.25	<b>Hispanic</b>		
			64	68	1.50	<b>Group</b>	<b>Count</b>	<b>%</b>
			65	52	1.14	No	1,362	29.98
			66	57	1.25	Yes	130	2.86
			67	55	1.21	No Response	72	1.58
			68	30	0.66	N/A	2,979	65.57
			69	40	0.88	<b>Total</b>	<b>4,543</b>	100.00
			70	36	0.79	<b>Ethnic Background</b>		
			71+	283	6.23	<b>Group</b>	<b>Count</b>	<b>%</b>
			N/A	1,637	36.03	African Descent or Black	122	2.66
			<b>Total</b>	<b>4,543</b>	100.00	Asian (Including Pacific Islanders)	401	8.73
			<b>Group</b>	<b>Count</b>	<b>%</b>	Native American (including Alaskan Native)	34	0.74
			Female	927	20.41	White (Caucasian)	2,077	45.22
			Male	2,261	49.77	Other	78	1.70
			n/a	1,355	29.83	N/A	1,881	40.95
			<b>Total</b>	<b>4,543</b>	100.00	<b>Total</b>	<b>4,593</b>	100.00

**American Chemical Society  
Demographics Report**

Highest Degree Received			Field of Research			Industry		
Group	Count	%	Group	Count	%	Group	Count	%
Associate	16	0.35	Agriculture/Food science	20	0.44	Academic Institution	1,751	38.54
Bachelor	368	8.10	Analytical Chemistry	178	3.92	Engineering/Construction Firm	135	2.97
Doctorate	909	20.01	Applied Chemistry	30	0.66	Government	462	10.17
High School	80	1.76	Biochemistry/Molecular Biology/Biomaterials	29	0.64	Hospital/Clinic	10	0.22
Master	361	7.95	Biotechnology/Applied Microbiology	27	0.59	Independent Consulting	376	8.28
N/A	2,809	61.83	Chemical Information	6	0.13	Independent Laboratory	236	5.19
<b>Total</b>	<b>4,543</b>	100.00	Combinatorial Chemistry	3	0.07	Manufacturer - Industrial chemicals	68	1.50
Degree Discipline			Computational/computers/informatics	16	0.35	Manufacturer - Other	149	3.28
Group	Count	%	Education	36	0.79	Manufacturer - Petrochemical	47	1.03
Agricultural/food chemistry	18	0.40	Energy/Petroleum	32	0.70	Manufacturer - Pharmaceutical Co	21	0.46
Analytical chemistry	144	3.17	Engineering	99	2.18	Manufacturer-Agricultural	26	0.57
Biochemistry	57	1.25	Environmental Science	1,035	22.78	Manufacturer-Biotech/life sciences co	21	0.46
Biotechnology	15	0.33	Forensic	9	0.20	Manufacturer-Environmental/water	107	2.36
Business administration	21	0.46	Green Chemistry/Sustainable Chemistry	36	0.79	Manufacturer-Food/beverage/flavors	18	0.40
Chemical education	8	0.18	Health & safety	28	0.62	Public Utility/Transportation	98	2.16
Chemical engineering	101	2.22	Inorganic chemistry	31	0.68	Retail/Wholesale Trade	17	0.37
Clinical chemistry	2	0.04	Instrumentation design/development	7	0.15	Other	164	3.61
Computer science	8	0.18	Legal	2	0.04	No Response	426	9.38
Environmental chemistry	399	8.78	Materials science	28	0.62	N/A	411	9.05
General chemistry	165	3.63	Medicinal/clinical	6	0.13	<b>Total</b>	<b>4,543</b>	100.00
Inorganic chemistry	62	1.36	Organic chemistry	24	0.53			
Law	6	0.13	Paints/coatings	6	0.13			
Materials science	15	0.33	Pharmaceutical	12	0.26			
Medicinal/pharmaceutical chemistry	8	0.18	Physical chemistry	34	0.75			
Organic chemistry	80	1.76	Plastics/Polymers/Rubber	14	0.31			
Other chemical sciences	10	0.22	Toxicology	23	0.51			
Physical chemistry	94	2.07	Other	190	4.18			
Polymer chemistry	15	0.33	N/A	2,582	56.83			
Other	419	9.22	<b>Total</b>	<b>4,543</b>	100.00			
N/A	2,896	63.75						
<b>Total</b>	<b>4,543</b>	100.00						

**American Chemical Society  
Demographics Report**

Job Title			Department			Benefits		
Group	Count	%	Group	Count	%	Group	Count	%
Chemical Technician	50	1.10	Analysis	94	2.07	ACS Network	552	7.88
Chemist/Scientist	668	14.70	Corporate Management	66	1.45	C&EN	1,015	14.50
Consultant/Advisor	148	3.26	Lab Management	63	1.39	Career counseling and resources	78	1.11
Engineer	160	3.52	Purchasing	1	0.02	Community activities	109	1.56
Executive Management	252	5.55	QC/Assurance/Validation	55	1.21	Educational resources and tools	138	1.97
Graduate Student	392	8.63	Regulatory	108	2.38	Legislative Action Network	64	0.91
Health & Safety/Regulatory Affairs Manager	81	1.78	Research & Development (R&D)	340	7.48	Local Sections	267	3.81
Post Doctoral/Fellow Researcher	129	2.84	Research & Teaching	329	7.24	National or Regional Meetings	382	5.46
Process/Quality Control Manager	62	1.36	Sales/Marketing/Business Development	18	0.40	Newsletters	417	5.96
Production/Operations Manager	46	1.01	Teaching	194	4.27	None	290	4.14
Professor/Instructor/Administrator	942	20.74	Technical Services	152	3.35	Personal Benefits	133	1.90
Purchasing Manager/Buyer	1	0.02	Other	113	2.49	Professional Education and Professional Development	119	1.70
Research & Development Management	240	5.28	N/A	3,010	66.26	Technical Divisions	321	4.59
Sales/Marketing/Business Development	30	0.66	<b>Total</b>	<b>4,543</b>	<b>100.00</b>	Web Edition publications	428	6.11
Supervisor/Project Leader/Foreman	149	3.28	<b>Geographic Area</b>			Other	37	0.53
Undergraduate Student Member	202	4.45	<b>Group</b>	<b>Count</b>	<b>%</b>	N/A	2,651	37.87
Other	141	3.10	International	901	19.83	<b>Total</b>	<b>7,001</b>	<b>100.00</b>
No Response	376	8.28	United States	3,642	80.17			
N/A	474	10.43	<b>Total</b>	<b>4,543</b>	<b>100.00</b>			
<b>Total</b>	<b>4,543</b>	<b>100.00</b>	<b>Disability</b>					
			<b>Group</b>	<b>Count</b>	<b>%</b>			
			No	1,441	31.72			
			Yes	44	0.97			
			No Response	42	0.92			
			N/A	3,016	66.39			
			<b>Total</b>	<b>4,543</b>	<b>100.00</b>			

**American Chemical Society  
Demographics Report**

<b>Products</b>			<b>Country of Citizenship</b>					
<b>Group</b>	<b>Count</b>	<b>%</b>						
			Colombia	5	0.11	Peru	2	0.04
			Croatia	1	0.02	Philippines	6	0.13
Chemical ingredients	571	8.13	Cuba	1	0.02	Poland	3	0.07
Chromatography products	441	6.28	Cyprus	1	0.02	Portugal	1	0.02
Computational	143	2.04	Czech Republic	1	0.02	Qatar	2	0.04
Contract management services	103	1.47	Denmark	4	0.09	Romania	3	0.07
HPLC	299	4.26	Dominica	1	0.02	Russia	5	0.11
Laboratory products	629	8.96	Ecuador	2	0.04	Rwanda	1	0.02
LIMS	71	1.01	Egypt	2	0.04	Saudi Arabia	2	0.04
Mass Spectrometers	323	4.60	Estonia	3	0.07	Serbia	1	0.02
NMR	31	0.44	France	8	0.18	Singapore	1	0.02
None	391	5.57	Germany	19	0.42	Slovenia	1	0.02
Pharmaceutical ingredients	37	0.53	Ghana	3	0.07	South Africa	1	0.02
Spectroscopy	251	3.57	Greece	7	0.15	South Korea	11	0.24
Supercritical fluid chromatography	9	0.13	Guatemala	1	0.02	Spain	8	0.18
Thermal analyzers	66	0.94	Hong Kong	2	0.04	Sudan	1	0.02
Water purification systems	336	4.78	Hungary	1	0.02	Sweden	3	0.07
Other	121	1.72	India	23	0.51	Switzerland	21	0.46
N/A	3,202	45.59	Indonesia	2	0.04	Taiwan	5	0.11
<b>Total</b>	<b>7,024</b>	<b>100.00</b>	Iran	3	0.07	Thailand	1	0.02
			Iraq	3	0.07	Trinidad and Tobago	1	0.02
			Ireland	2	0.04	Turkey	5	0.11
			Israel	5	0.11	United Arab Emirates	2	0.04
Argentina	2	0.04	Italy	13	0.29	United Kingdom	15	0.33
Australia	15	0.33	Jamaica	2	0.04	UNITED STATES	1,084	23.86
Austria	2	0.04	Japan	28	0.62	Vietnam	3	0.07
Azerbaijan	1	0.02	Kenya	1	0.02	Zaire	1	0.02
Bahamas	1	0.02	Liberia	1	0.02	Zimbabwe	3	0.07
Bahrain	1	0.02	Luxembourg	1	0.02	N/A	3,011	66.28
Bangladesh	1	0.02	Malaysia	3	0.07	<b>Total</b>	<b>4,543</b>	<b>100.00</b>
Belgium	4	0.09	Mexico	14	0.31			
Brazil	5	0.11	Nepal	1	0.02			
Bulgaria	1	0.02	Netherlands	3	0.07			
Cameroon	1	0.02	New Zealand	2	0.04			
CANADA	53	1.17	Nigeria	18	0.40			
Chile	1	0.02	Norway	2	0.04			
China	62	1.36						



100 Years of Environmental Stewardship

**ACS**envr

ACS Division of Environmental Chemistry

August 1, 2014

## Happy 100<sup>th</sup> Birthday, ENVR!

### **The Celebration Continues at the Fall 2014 Meeting in San Francisco, CA**

With just a week to go, we hope you're polishing your talks and packing your suitcase. If you're joining us in San Francisco, here are a few quick highlights for you:

*Don't forget to stop by the Division's table in the Marriott Marquis to pick up your free commemorative pin!*

#### ***Division Business Meeting***

It's your Division... and we'd love to have you involved. Please join us for the Business Meeting on Sunday August 10, 7-7:30pm in the Marriott Marquis, Pacific Room J. Items of business and announcements should be sent to Tracy Williamson at [Williamson.Tracy@epa.gov](mailto:Williamson.Tracy@epa.gov)

#### ***Program Planning Meeting***

Have an idea for future programming and directions? Stop into the Program Planning Meeting, Sunday August 10, 2-3pm in the Marriott Marquis, Pacific Room D.

#### ***100 Years of Scientific Contribution***

When you stop to think about, we've made some amazing contributions to protecting and preserving the environment. We hope you'll join Jurgen Exner, Jerald Schnoor, Michael Hoffman, Catherine Peters, Bruce Logan and David Sedlak for a reflection on our field's contribution to a safer and sustainable environment. Marriott Marquis, Golden Gate Section A/B, 8am-12pm.

#### ***Celebrating Women in Environmental Science & Engineering***

A special symposium in San Francisco on Tuesday, August 12, co-organized by leaders in ENVR will highlight advances and pioneering efforts made by women in the field of environmental science and engineering. The symposium will feature keynote/invited presentations by Linda Abriola, Jennifer Field, Lynn Roberts, and Diane McKnight... just to name a few of the amazing women who will help us celebrate the Centennial. Marriott Marquis, Club Room, 8am-5:30pm.

#### ***ENVR Nominated for ChemLuminary Award***

We've been nominated for a ChemLuminary Award for Outstanding Collaboration between a Local Section and Division. Recipients will be announced and the presentation of awards will occur at the 248th ACS National Meeting in San Francisco, CA on Tuesday, August 12, at the Palace Hotel.

### **Call for Symposia – Spring National Meeting in Denver**

We have a few slots left in the Spring 2015 program for symposia. If you're interested in organizing, please contact Souhail Al-Abed at [al-abad.souhail@epa.gov](mailto:al-abad.souhail@epa.gov). Abstract submission opens August 25, so please let us know as soon as possible!

### **A Special Thank You to our San Francisco Program Contributors and Co-sponsors**

Water Research Foundation

Agilent Technologies

Environmental Science & Technology Journal

ES&T Letters

ACS Multidisciplinary Program Planning Group

ACS Council Committee on Divisional Activities

ACS Global Innovation Imperatives

ACS Committee on Environmental Improvement

ACS Women Chemist Committee

ACS technical divisions: PHYS, POLY, SCHB, CATL, ENFL, AGRO, COLL, GEOC

### **Have Something to Share?**

If you have an important message to share with EnvirofACS members such as upcoming meetings, awards, and the like, or would like to offer suggestions on how this Newsletter or the Division can better serve your and the community's needs, please email ENVR Publicity Chair, Jillian Goldfarb ([JillianG@bu.edu](mailto:JillianG@bu.edu)).



# ENVR Centennial Reception

*McLoughlin Gallery, 49 Geary Street, Suite 200*

*Tuesday, August 12, 2014 6:00 – 7:30 pm*

Cosponsored with



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*\$25 Professional/\$15 Student – Tickets available through ACS Meeting Registration*

***Don't miss out!*** Celebrate 100 years of environmental stewardship with your ENVR colleagues