



At the Interface of Science and Engineering



AMERICAN CHEMICAL SOCIETY

SS&T NEWSLETTER

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Kathryn Taylor-Pashow, Editor

Peter Zalupski

Chair

Idaho National Laboratory
208-533-7666
peter.zalupski@inl.gov

Cory Hawkins

Vice Chair

Tennessee Technological University
931-372-6819
cahawkins@tntech.edu

Jerry King

Vice Chair-Elect

CFS, University of Arkansas-Fayetteville
479-251-1970
kingjw100@hotmail.com

Kathryn Taylor-Pashow

Secretary

Savannah River National Laboratory
803-725-8215
kathryn.taylor-pashow@srnl.doe.gov

David Hobbs

Past Chair

Savannah River National Laboratory
803-725-2838
david.hobbs@srnl.doe.gov

Glenn A. Fugate

Member-at-Large

Oak Ridge National Laboratory
865-576-3479
fugatega@ornl.gov

Chair's Message

by Peter Zalupski

Dear members of the Separations Science and Technology Subdivision,

I hope that springtime and, for some of you in the southern hemisphere, autumn find you in good spirits. As I am assuming the duties of the Chair of the Subdivision I would like to thank David Hobbs for the time he devoted to run SS&T in 2015. Also many thanks must go to the officers and volunteers who appreciate the existence of our small Subdivision within the American Chemical Society. I believe SS&T is an excellent channel to communicate with other scientists who study / develop / commercialize separations. Isolation and purification of ingredients from complex matrices are necessary to maintain every detail of our global society, and many new separations challenges appear on the horizon of modernized world. It is good to recognize the importance of our work to the ongoing progress noticeable in everyday life. The SS&T Subdivision offers one opportunity to take pride in our daily research endeavors. I would like to thank every member for being a part of our organization. Also I encourage you to spread the word and recruit your colleagues in the separations fields. Membership always directly translates into benefits, and the swelling in our ranks will offer new programming and opportunities for networking and collaboration.

As we are nearing the Spring ACS meeting a word on the upcoming SS&T sponsored symposia is appropriate. In San Diego in conjunction with NUCL Division SS&T will sponsor a symposium entitled "Separations for the Nuclear Fuel Cycle in the 21st Century Revisited" organized by Gregg Lumetta and Ken Nash. Also I&EC and BIOT Divisions are cosponsoring the ACS Award in Separations Science & Technology: Symposium in honor of Steven M. Cramer.

If you would like to get involved in the SS&T Subdivision, volunteer or serve on the executive committee, please contact an officer using the information provided in this newsletter.

If you would like to organize a symposium the officers may also assist. A diverse programming under the umbrella of SST will enhance the visibility of our subdivision within IEC and ACS. Do remember that planning for an ACS-sponsored symposium occurs 2-3 years in advance.

Past Chair's Message

by David Hobbs

2015 brought financial changes to the subdivision as the assets were transferred to that of the division. The subdivision will continue to develop an annual budget, but all financial transactions will occur through the I&EC Division treasurer. As a consequence of this change, the executive committee has recommended that the position of treasurer be eliminated and that the bylaws of the subdivision be amended to reflect this change. Laetitia Delmau has served admirably for many years as our treasurer (and many other activities) and I thank her personally and on behalf of our members for her many years of service to the subdivision. I also want to thank Raj Kailasam, former past chair, for his leadership and service to the subdivision.

I am excited about our leadership in the subdivision as Peter Zalupski from Idaho National Laboratory assumes the chair position, Cory Hawkins from Tennessee Tech is the vice chair, Jerry King from University of Arkansas-Fayetteville was elected vice-chair elect, Kathryn Taylor-Pashow from Savannah River National Laboratory was re-elected as secretary, Glenn Fugate from Oak Ridge National Laboratory is a member-at-large, and Spiro Alexandratos from Hunter College serves as our division counselor advisor. Please do not hesitate to contact any of the executive committee members if you have suggestions on programming, member benefits, or other items of interest to the subdivision.

Fourteen I&EC division members including myself gathered over Super Bowl weekend for a strategic planning retreat. You will hear more about the result in the coming weeks, but I wanted to share some of the highlights. The team developed a short but compelling vision statement – Making Chemistry Work, which I believe will serve the division and our subdivision very well. The participants also identified four goals for the division; (1) increase participation of industrial practitioners, (2) create and implement a sustainable and strategic communication plan, (3) increase number of presentations, accessibility and variety of programming, and (4) develop enhanced program to recognize members and non-members for contributions. Please do not hesitate to contact me if you have comments, thoughts, and

suggestions. Most importantly, let me know if you would like to be an active volunteer in working on a team to accomplish one of these goals.

Calls for Papers

Spring 2017 ACS Meeting: “Structural and Supramolecular Aspects of Metal Ion Separations” organized by Ross J. Ellis & Carter W. Abney.

Spring 2017 ACS Meeting: “Ionic Liquids in Separations and Analysis” organized by Cory Hawkins and Mark Dietz.

Conferences

251st American Chemical Society National Meeting & Exposition
March 13-17, 2016
San Diego, CA
Program Theme: Computers in Chemistry

Actinide Separations Conference
May 23-26, 2016
San Diego, CA

252nd American Chemical Society National Meeting & Exposition
August 21-25, 2016
Philadelphia, PA
Program Theme: Chemistry of the People, by the People and for the People

19th Symposium on Separation Science and Technology for Energy Applications
October 10-12, 2016
Gatlinburg, TN

2nd International Conference and Expo on Separation Techniques
Sep 26 - 28, 2016
Valencia, Spain

World Congress on Chromatography
September 21-23, 2016
Amsterdam, Netherlands

Call for Papers:

Ionic Liquids in Separations and Analysis

253rd National Meeting of the
American Chemical Society
San Francisco, CA April 2 – 6, 2017

*Sponsored by the Separation Science and Technology Subdivision
of the Industrial and Engineering Chemistry Division*

Abstracts describing studies of ionic liquid-based media in emerging techniques for separation and analysis of inorganic, organic, and biomolecular solutes are invited to this symposium. Papers will include basic research and applications development, and range from trace analysis to scaled purification. Sessions will be organized to emphasize interactions between fundamentals and applications.

Areas of interest include, but are not limited to:

- Liquid–liquid extractions
- Microextraction techniques
- Liquid ion-exchangers
- Novel chromatographic materials
- Ligands and molecular recognition
- Systems combining ionic liquids and supercritical fluids
- Biomass and fuel purification
- Development of analytical procedures

Organized by:

Cory A. Hawkins
Department of Chemistry
Tennessee Tech. Univ.
Cookeville, TN 38505
cahawkins@tntech.edu

Mark L. Dietz
Department of Chemistry and Biochemistry
University of Wisconsin-Milwaukee
Milwaukee, WI 53211
dietzm@uwm.edu

Abstracts will be due by October 17, 2016. Abstracts are to be submitted using the Meeting Abstracts Programming System (MAPS). Feel free to contact us to indicate your interest or to answer any questions.