

Chesapeake Chemist

*Maryland Section
American Chemical
Society*



~ **Richard Li** ~

42nd International Chemistry Olympiad Silver Medalist

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ACS Maryland Section - Officers and Committee Chairs

Section Officers:

Chair 2010 - Alvin Kennedy, Morgan State University, (443) 885-3115; alvin.kennedy@morgan.edu

Vice-chair (chair 2010) - vacant

Chair-elect (chair 2011) - Takashi Tsukamoto, Johns Hopkins Medical Institutions, 410-614-0982, ttsukamoto@jhmi.edu

Secretary - Lance Baird, Johns Hopkins Applied Physics Lab, 301-395-7168, lance.baird@jhuapl.edu

Treasurer - Holly Cymet, Morgan State University, 443-885-3882, holly.cymet@morgan.edu; Department of Chemistry, Morgan State University, 1700 East Coldspring Lane, Baltimore, MD 21251

Councilors:

Merle I. Eiss
McCormick & Co, Inc
meiss32@aol.com

Stephanie J. Watson
NIST
stephanie.watson@nist.gov

David Roswell
Loyola College
droswell@lovolia.edu

Paul Smith
UMBC
pismith@umbc.com

Alternate Councilors: Shirish Shah (Towson), Joseph Topping (Towson), Sandra Young (ARL)

Members at Large: Maurice Iwunze (Morgan), Rose Pesce-Rodriguez (ARL), Suzanne Procell (ECBC), Angela Wells Winstead (Morgan)

Committee Chairs:

Student Awards (April) - George Farrant - (410) 455-4120; gfarrant@yahoo.com

MD ACS Student Grants - Paul Smith, pjsmith@umbc.com

or Louise Hellwig, Louise.Hellwig@morgan.edu

Remsen Award (May/June) - Dana Ferraris; Dferrar2@jhmi.edu

Braude Award (October) - Louise Hellwig, Louise.Hellwig@morgan.edu, 443-885-2085

Maryland Chemist Award (December) - Angela Sherman - (410) 532-5713; ASherman@ndm.edu

Maryland Service Award - Shree Iyengar - (410) 777-2266; ssiyengar@aacc.edu

Programs:

Archives - Ernie Silversmith - (443) 885-3214

Career Planning - Linh Cheong - (410) 762-1159

Earth Day - Paul Smith, Lance Baird
(Lance.Baird@jhuapl.edu)

Environmental Issues - Shirish Shah - (410) 704-2720
sshah@towson.edu & Lance Baird

Finance Committee - Jan Kolakowski - (410) 436-2755
jan.kolakowski@us.army.mil

Government Relations - Shirish Shah & Robert von Tersch - robert.l.vontersch@us.army.mil

Long Range Planning - Shekar Munavalli

MARM - Shirish Shah & Paul Smith

Membership - Merle Eiss

Public Relations - Shirish Shah & Walter Roy,
Walter_Roy@mccormick.com

Retired Chemists - Alvin Bober, abober@verizon.net,
410-581-5321

Student Affiliate Liaison - Louise Hellwig

Women Chemists/Younger Chemists - Sara Narayan -
443-334-2326 / Amanda (Miller) Idstein -
aredmiller@cs.com

2011 Elections Committee:

Chair - Sandy Young (sandra.young@us.army.mil)

Members - Takashi Tsukamoto, David Roswell, Frank Switzer, Dana Gasiorowski

Educational Programs:

Chemistry Olympiad/Chem-a-Thon -
Shirish Shah & Mike Zapf,
Mike_Zapf@mccormick.com

Continuing Education/High School Education -
Shirish Shah/Ellen Pisciotta

Kids & Chemistry/Chemistry-in-the-Library -
Sue Procell, 410-436-4604,
suzanne.procell@us.army.mil /Sandy Young

National Chemistry Week (NCW) -
Shirish Shah & Sandy Young

Maryland Section on the Web: <http://mdchem.org>

Webmaster - Sandy Young (contact-us@mdchem.org)

E-issues team: Mike Zapf, Frank Switzer, Sandy Young

Chesapeake Chemist Editor-in-Chief:

Takashi Tsukamoto (contact-us@mdchem.org)

Have a job to post?, a good news chemistry story? - contact the Maryland Executive Committee through e-mail via: (contact-us@mdchem.org).

Richard Li, Silver Medal at Chemistry Olympiad

by Mike Zapf

Our readers will note Mr Richard Li on the cover of this newsletter wearing the Silver Medal he won at the International Chemistry Olympiad held in Tokyo Japan in July. Congratulations to Richard on this achievement and his move to Stanford this fall.

In my communications with him since April, he has relished the journey from the local exam, through training camp, and finally the trip to the 42nd IChO in Japan. He even missed his graduation. You will find the IChO web site very informative, including photos of the many cultural experiences by all of the Worlds' students experienced at each IChO. Chemistry problems are posted too for your exercise!

<http://www.icho2010.org/top.html>

Mr. Li is the student of Barbara Jewett of River Hill high school in Howard County. Barbara doesn't lay claim to Richard's success, but she is known as a dedicated educator for many years in the County; Richard's success will certainly add to her pleasure as a science educator.

The photo on this page pictures the US Olympic Team. An excerpt from a press release from National reads:

WASHINGTON, Aug. 2, 2010 — Two gold medals, one silver, and one bronze — the U.S. team competed very successfully against 250 students from 65 countries in the 42nd International Chemistry Olympiad, the American Chemical Society (ACS) announced today. The international competition was held July 19-28 in Tokyo, Japan.

The four U.S. students were selected from an original pool of more than 11,000 high school chemistry students who vied to be on the team. These four emerged after a two-week training camp held for the 20 student finalists in mid-June at the U.S. Air Force Academy. ACS, the world's largest scientific society, sponsors the U.S. team along with additional support from other partners.

The medals were presented to winners in ceremonies at Waseda University. Alexander Siegenfeld of Westport, Conn., and Colin Lu, of Vestal, N.Y., both won gold medals. Richard Li, of Clarksville, Md., won a silver medal and Utsarga Sikder, of Monmouth Junction, N.J., won a bronze medal. Lu also served on the U.S. team for the International Chemistry Olympiad in 2009, winning a silver medal.

Mr Li, began this experience by taking the local exam in 2009, attending training camp, and completing one year of Organic Chemistry at the University of Maryland. This year he returned for the 5 hour exam, won another spot at camp and then onto the Olympics. The National Exam is given each April at the College of Notre Dame in Maryland in Chemistry. Pat Bell at NDC arranges access to facilities and prepares the Lab Practical. Mike Zapf is the local coordinator and exam proctor and Dr. Shrish Shah serves as host for the event and lunch.



The U.S. Chemistry Olympiad team. From left, Alexander Siegenfeld, Colin Lu, Utsarga Sikder, and Richard Li. The photo was taken by Ms. Natalia White.

September Meeting
“Career in Chemistry, Challenges and Opportunities”

Wednesday, September 29th, 2010, College of Notre Dame
Knott Science Center 208

6:30-7:00 pm Free Pizza and Soft Drinks

7:00-8:00 pm Presentation

8:00-8:30 pm Question and Answer

A recent survey conducted by the local section indicated that college students in the local area would like the Section to organize more events related to career development given the current challenging economic environment. In response to their very legitimate request, a career guidance event will be held at the College of Notre Dame on Wednesday, September 29th, at 6:30 pm. A presentation will be given by Takashi Tsukamoto, Vice-Chair of the Section (Johns Hopkins, School of Medicine) and Stephanie Watson, a councilor in the Section (National Institute of Standards and Technology), who will share their experience and perspectives on the challenges and opportunities for careers in chemistry. Free pizza and soft drinks will be served prior to the presentation and the speakers will be available for questions following their presentations.

Speakers' Bio:

Takashi Tsukamoto, Ph.D.

Assistant Professor of Neurology, School of Medicine, Johns Hopkins University

Dr. Tsukamoto received his Ph.D. degree in Chemistry from Tokyo Institute of Technology and pursued postdoctoral studies in the Department of Medicinal Chemistry at the University of Michigan. Over the past 12 years, Dr. Tsukamoto has held a variety of leadership positions in the pharmaceutical industry including Guilford Pharmaceuticals, MGI Pharma, and the Eisai Research Institute, where he most recently served as the Director of Medicinal Chemistry. In 2009, Dr. Tsukamoto joined the Brain Science Institute at Johns Hopkins University as the Director of Chemistry and Intellectual Property with a faculty appointment in the Department of Neurology.

Stephanie Watson, Ph.D.

Research Chemist, Building and Fire Research Laboratory, NIST (Gaithersburg, MD).

Dr. Watson's professional experience prior to joining NIST in 2002 as a Research Chemist includes employment at Millennium Chemicals, Inc., Baltimore, MD, as a Senior Scientist. She received a B.A. in Chemistry from The College of Wooster in Wooster, OH and obtained a Ph.D. in Analytical Chemistry under Dr. David Hercules at the University of Pittsburgh. Dr. Watson has been a member of the American Chemical Society since 1989 and became involved in the Maryland Section (MARM 2000 exhibits chair, secretary, past-chair and councilor of the Maryland Chapter) after moving to Baltimore. She is also a member of Sigma Xi.

Directions to College of Notre Dame of Maryland:

College of Notre Dame of Maryland
4701 North Charles Street
Baltimore, MD 21210

The map can be viewed at: <http://www.ndm.edu/directions.cfm>

Located in a beautiful residential neighborhood of Baltimore, College of Notre Dame is conveniently located only 10 minutes from downtown Baltimore

Take the Baltimore Beltway (Route I-695) to North Charles Street (exit 25). Drive 4.6 miles south on Charles Street to the College entrance, on the left, immediately past Homeland Avenue, but before Coldspring Lane.

Campus Map:



The Collegetown shuttles are also available: <http://www.baltimorecollegetown.org/shuttle/#>

Council Meeting Report

Boston, Mass

The Council of the American Chemical Society met during the national meeting in Boston on Wednesday August 25th. The meeting began at 8 AM and lasted until noon. All four Maryland councilors (Merle Eiss, David Roswell, Paul Smith, and Stephanie Watson) were in attendance. After the opening call to order a resolution was read and a moment of silence observed in honor of deceased councilors. The minutes of the previous meeting in San Francisco were then approved.

The Council then moved to undertake what was its first major task, election of members to three Council committees. After the Committee on Nominations and Elections presented the candidates the Council elected members to the Council Policy Committee, the Committee on Committees and the Committee on Nominations and Elections.

Oral reports from the elected officers and the Executive Director followed. Then the Council considered a number of petitions.

Petitions

The Council received one amendment to the ACS Constitution and Bylaws for action: The Petition on Recorded Votes. The Council VOTED to approve the Petition on Recorded Votes. This petition provides for additional voting methods, e.g., electronic clickers that have been recently used at Council meetings, when conducting recorded votes. The Board of Directors will vote within 90 days on whether to ratify the approved petition.

The Council was advised that two petitions that would have been up for action at this meeting were withdrawn: The Petition on President-Elect Eligibility and the Petition on International Chemical Sciences Chapters. The Petition on President-Elect Eligibility requires that nominees or candidates for President-Elect come from an academic background every other election, and that only those from non-academic backgrounds would be eligible in the alternate years. The International Chemical Sciences Chapters petition provides for travel funds for either the Chair or Chair-Elect of International Chemical Sciences Chapters to attend governance meetings at twice the amount allotted for a Councilor.

A significant amount of Council time was spent on a special discussion item.. ACS President Joseph Francisco invited the Council Policy Committee Vice Chair to present a proposal to move Council meetings from Wednesdays to Tuesdays. The proposal included survey results from Councilors and other stakeholders followed by a robust discussion on the pros and cons of a move. Councilors concluded their discussion with a straw poll that showed 128 are supportive of the proposed move of Council to Tuesdays, 225 oppose the move, and 56 are undecided. The Council Policy Committee and the Board of Directors will decide by spring 2011 whether the Council should move from Wednesday to Tuesday.

The Council then heard a number of Committee reports and took action where necessary.

- As part of a regular performance review, the Council VOTED to continue the Committee on Science. Continuation of the Committee on Science also requires Board of Directors concurrence.
- As of August 24, 2010, the ACS fall national meeting had attracted 14,059 registrants. Totals in select categories are as follows: Regular attendees 8,211; Students 3,230; Guests 393; Exhibit Only 733; and Exhibitors 1,492.

- The 2010 membership numbers are on track to meet year-end goals. The Student Member community has continued to grow since creation of this new member category in June 2009. The number of Student Members was 12,815 as of July 31, 2010.

Local Section Changes in Territories and Dissolution

- The Council VOTED to change the territory of the Northeast Oklahoma Local Section to include all members residing in the North Central Oklahoma Local Section territory. The North Central Oklahoma Local Section will be dissolving on December 31, 2010 because its membership has fallen below the minimum requirement. This change in local section territory allows all members residing in the North Central Oklahoma territory to remain assigned to a local section.
- The Council also VOTED to change the territory of the Binghamton Local Section to include the Norwich Local Section, which will dissolve on December 31, 2010 because its membership also has fallen below the minimum membership requirement. This territory change will allow members residing in the Norwich territory to remain assigned to a local section.

The Society's Finances

The Society is projected to end the fiscal year with a net \$2.2 million favorable to the approved budget. No subsequent reports led to significant discussion and being no further business the Council adjourned.

Respectfully submitted for the MD Councilors.

David Roswell

2011 Election of the Maryland Section Officers

Dear Section Members,

It is time for the 2011 Election of the Maryland Section Officers who will begin their terms in January 2011. As we did last year, an electronic voting system will be used. Starting September 30, you will receive an email with a website link and password; so please take a few minutes to go on-line, examine the ballot (see the following page), and vote. The Maryland Section Officers influence things like: what meetings are planned, how section money is spent, and representation of the Maryland Section and Maryland member interests at National meetings.

Member access to the ballot is important to us!! For those, who would still like to vote by mail, please contact Stephanie Watson: stephanie.watson@nist.gov, 301-975-6448.

Please cast your vote using the information by **October 21, 2010**.

Sincerely,

Alvin Kennedy
Chair

MD ACS Section – Ballot for 2011 Section Officers

CHAIR: Takashi Tsukamoto Johns Hopkins Brain Science Institute
443-629-7984
ttsukamoto@jhmi.edu

FOR THE FOLLOWING POSITIONS, PLEASE VOTE FOR ONE CANDIDATE

VICE-CHAIR: Holly Cymet (uncontested)
(will be chair in 2012) Morgan State University
Professor of Chemistry
443-885-3882
Holly.Cymet@MORGAN.EDU

CHAIR-ELECT: Sarah Narayan (uncontested)
(will be chair in 2013) Stevenson University
Professor of Chemistry
443-334-2326
snarayan@stevenson.edu

SECRETARY: Lance Baird (uncontested)
Johns Hopkins University Applied Physics Laboratory
443-778-7522
Lance.Baird@jhuapl.edu

TREASURER: Holly Cymet (uncontested)
Morgan State University
443-885-3882
Holly.Cymet@MORGAN.EDU

With Charles Rowell stepping down, there is the vacancy of one counselor position and re-election of another:

COUNSELOR: Paul Smith (uncontested)
University of Maryland – Baltimore County
410-455-2519
Pjsmith@umbc.edu

COUNSELOR: Merle Eiss (uncontested)
McCormick Spice Company
Meiss32@aol.com
(Last elected in 2008 – term up in 2011)

**ALTERNATE
COUNSELOR:** Sandra Young
US Army Research Laboratory
410-306-0679
sandra.young@us.army.mil

PLEASE VOTE FOR UP TO 5 CANDIDATES

MEMBERS AT LARGE:	Maurice Iwunze	Suzanne Procell
	Morgan State University	ECBC
	Liina Ladon	Rose Pesce-Rodriguez
	Towson University	ARL
	Mike Zapf	Angela Wells Winstead
	McCormick Spice Company	Morgan State University

Recap: June-August Activities

2010 Remsen Award Lecture

Dr. John T. Groves (center in the photo), Hugh Stott Taylor Professor of Chemistry at Princeton University, gave 65th Remsen Award Lecture on June 16th at Remsen Hall, Johns Hopkins University. The lecture was moderated by Professor David Goldberg of Johns Hopkins University (left in the photo).



Dry Ice Show at Thunder Hill Elementary School (Howard County)

Takashi Tsukamoto (Johns Hopkins) gave his signature Dry Ice Show to 4th graders at Thunder Hill Elementary (Howard County). The most popular experiment has been always adding dry ice to soapy water.



Chem Club Annual Report Review

Along with about ten other professors from other universities, Tara Carpenter (UMBC), June Bronfenbrenner (AACC) and I (Louise Hellwig, Morgan) were invited to Washington, DC by national ACS to review annual reports submitted by various Chem Clubs around the country. They worked with ACS staff on July 16 - 18 to award the status of Outstanding, Commendable, or Honorable Mention to the most active Chem Clubs around the country. We found it to be an enjoyable and enriching experience, giving us lots of good ideas to try in our own Chem Clubs.

David Roswell service to ACS as councilor--35 years recap

Congratulations to David Roswell for 35 Years of Service on the ACS Council!

David Roswell was recognized for his 35 years of service on the ACS Council at the council meeting at the 240th National ACS Meeting in Boston, MA. Dr. Roswell is a Hauber Professor of Chemistry, Emeritus with a specialty in organic chemistry at Loyola University Maryland.

Applications are Being Accepted for the 2011 Undergraduate Student Travel Awards

Students can apply to receive up to \$500 for travel and expenses to attend a National ACS Meeting or up to \$300 to attend a Regional ACS Meeting. Open to undergraduate student affiliates of the ACS who are enrolled full time in a college or university in the Maryland Section.

The application should include:

- The meeting you plan to attend along with location, dates
- An estimated budget (cost for travel, registration, lodging, and meals)
- A 250 word essay describing your motivation for attending the meeting (if you plan to present, include a brief description of the work to be presented)
- A letter of support from a faculty member in your department

Review of applications will begin January 15th but will continue through the year until all funds are utilized. Applications should be mailed to: Dr. Louise Hellwig, Morgan State University, Department of Chemistry, 1700 Cold Spring Lane, Spencer Hall Rm. 318B, Baltimore, MD 21251 or sent via e-mail: louise.hellwig@morgan.edu.



Fall 2010 - Important Dates



September 29, 2010
(Wednesday at 6:30 pm)

“Career in Chemistry, Challenges and Opportunities”
– College of Notre Dame, Baltimore, MD

October 17-23, 2010
(Saturday-Sunday)

National Chemistry Week

October 20, 2010
(Wednesday)

Braude Award – UMBC

November 18, 2010
(Thursday)

November Meeting – Stevenson University

December, 2010

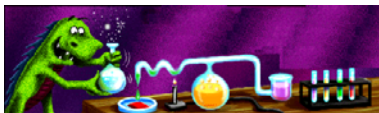
Maryland Chemist Award – Place TBD



Join us on meetup.com to keep up with Section Events (dates for meetings), Discussion Boards (including job postings), photos from events & more!

(Meetup is FREE for individual members and does NOT require you to post your general information beyond your name.)

<http://www.meetup.com/Maryland-American-Chemical-Society/>



K-12 Educational Outreach

We know that people have limited time. But taking the time to mentor others, as all of us were once mentored by someone, is a truly fulfilling experience. If you have any questions or are thinking about helping out with a future event, please feel free to contact us at (contact-us@mdchem.org).

National Chemistry Week

What: National Chemistry Week (NCW) 2010

Theme: "Behind the Scenes with Chemistry!"

When: October 17-23, 2010

Where: At a school, library, or museum near YOU!

A copy of the 2010 version of NCW Celebrating Chemistry can be downloaded from <http://www.acs.org/ncw>

Anywhere is a good place to teach a few students about chemistry! Join in this year as we reach out to thousands of local students. For more information please contact Sandra Young (sandra.young@us.army.mil) and look for a list of dates/locations in the October Chesapeake Chemist!

Plants & People Sundays at the Rawlings Conservatory

The Howard Peters Rawlings Conservatory & Botanic Gardens in Druid Hill Park runs various programs on Sundays. The 2nd (Exploration Station), 3rd (Story Hour), and 4th (Ask a Scientist) Sundays are programs directed towards K-12 students and often include hands-on science activities.

Where: Howard Peters Rawlings Conservatory & Botanic Gardens, 3100 Swan Drive, Baltimore, MD 21217 (by the zoo)

When: Almost every Sunday

For more information, visit their website or call (410) 396-0008 for details on the upcoming Sunday program!! (http://www.baltimorecity.gov/government/recnparks/special_facilities.php#Howard)

Other Educational Outreach Programs

With recognition of the decreasing numbers of trained STEM professionals that are US citizens, the general decline of hands-on activities in Science, Technology, Engineering, and watering-down of Mathematics in many K-12 programs, and many people's general lack of understanding of STEM topics in society, the Department of Defense has coordinated many of their programs into single websites that contain a wide-range of educational outreach programs, internships, and scholarship opportunities available for K-12, undergraduate, graduate students and beyond.

Information on the wide-variety of programs through the **US Army Educational Outreach Program (AEOP)** can be found on their website (<http://www.usaeop.com>).

Information on the wide-variety of programs through the **National Defense Education Program (NDEP)** can be found on their website (<http://www.ndep.us>).

Many of the programs/opportunities that are listed on these two sites are available to students for participation in Maryland locations.

Job Hunting Corner

Job Hunting?

We don't always have job posts in the Chesapeake Chemist. But if you have a position available locally, you are welcome to send them to us for posting in the Chesapeake Chemist. If you are job hunting, remember to put your membership to work by using the ACS job bank: (ACS Careers: www.acs.org/careers).

ACS offers special benefits for unemployed members

During these tough economic times it's more important than ever to belong to the American Chemical Society. Unemployed members can tap into a host of valuable benefits and services that help them get back in the workforce. And, members in good standing may qualify for an unemployed member dues waiver, allowing them to renew their memberships and keep their member benefits at no cost. Contact ACS at service@acs.org, 800-333-9511 or 614-447-3671 for complete details.

Other valuable benefits that help ACS member get back in the workforce include:

- Free registration at ACS National Meetings and registration fees at Regional Meetings of just \$25. Meetings offer ACS Career Fairs with on-site interviews.
- Special discounts for ACS/Harvard courses, ACS ProSpectives and Short Courses, and the ACS Leadership Development System.
- Membership in the ACS Network, your online resource to connect and communicate with friends, colleagues, and potential employers
- Free Guidance from ACS Career Consultants – ACS mentors offer resume reviews, job search strategies, and interview tips that make you stand out from the rest.
- Free access to InterviewStream, an online tool that will sharpen your interview skills
- Members-only access to the ACS Salary comparator.
- And more!

Contact ACS customer service today at service@acs.org, 800-333-9511 or 614-447-3671 today and let us know how we can help.

REMINDER: Receiving the Chesapeake Chemist

Hopefully, if you are reading the Chesapeake Chemist this month, you are receiving it via e-mail from us. We went to electronic only mailings to our MD ACS membership in October 2006. Please remember that we are dependant on the National ACS records for your correct, current e-mail.

Changing your e-mail address? Moving out of the MD ACS area? E-mail changes can be updated either by:

- E-mailing us at contact-us@mdchem.org – give us your member #, full name, and e-mail changes and we can ensure that your records are updated with National ACS.
- **Contacting the National ACS membership division: 800-333-9511 (US only)** or service@acs.org

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail (contact-us@mdchem.org) to your accepted e-mail address list IF you have a spam filter.

If you are a member who currently doesn't receive the Maryland ACS Chesapeake Chemist but download it from our website, it is possible that National ACS does not have your e-mail address on file. If you want to receive the Chesapeake Chemist via e-mail, please e-mail us at contact-us@mdchem.org – give us your member #, full name, and e-mail address and we can ensure that your records are updated with National ACS.

The current edition and previous editions of the Chesapeake Chemist can ALWAYS be obtained via our website: <http://mdchem.org> – please see the Newsletter Archive link on the right-hand side of the website.

Call for Volunteers for Committee Positions

Interested in how your dues get used and want to work on interesting member programs/projects? If you want to get involved with the Maryland Section Executive Committee and/or with section activities, we want to hear from YOU! The Maryland ACS Executive Committee meets 4 times during the year to discuss and plan activities. Please feel free to contact the chair, vice-chair, or chair-elect via e-mail to get more information on various areas/activities that you are interested in or that we would like to start or expand in the future. The amount of time to commit would be up to you but might be around 2 hours per month, depending on the activity. We are always looking for individuals with budget/financial, editing, and planning skills.

Our Section is always looking for volunteers for our various committees. We are currently looking to fill positions for:

- Archivist
- Young Chemist Chair
- Women's Chemist Chair

Please contact **Walter Roy** (Walter_Roy@mccormick.com, 410-771-7886) or **Alvin Kennedy** (alvin.kennedy@gmail.com, 443-885-3794)

Get Involved, Stay Involved

As you know, the American Chemical Society offers many ways for its members and non-members to get involved at the local, regional and national levels. There are opportunities for everyone, whether you are a student, or just starting your career, or a seasoned professional. Are you interested in getting involved, but don't know where to start? Are you already involved with one or more ACS activities but need help finding resources? Please visit (<http://www.acs.org/getinvolved>) to find a streamlined list of links of helpful procedures and resources specifically geared towards your area of interest.

Alternately, you can contact the Maryland ACS Section directly... Like working with students? Have a talent for encouraging students in science? Have ideas for outreach events? Sign up for our volunteer news. Contact us at contact-us@mdchem.org.



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ANALYTICAL SERVICES

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