

SPECIAL ELECTION!

2018 SECTION ELECTION VOTING INSTRUCTIONS

You will note that this year the Section membership will elect a Chair for 2018. Normally, only a Chair-Elect is elected, and they become Chair the following year. However, the 2017 Chair-Elect, Ilke Arslan, has accepted a job at Argonne National Lab and will be leaving the area. As we elect her replacement, we also wish her all the best in her new position.

The election for officers of our local ACS Section will be conducted electronically. The ballot will be sent to the email address you provided to ACS in your "Yellow Book" member registration. You will receive an e-mail with a link to a survey hosted at www.SurveyMoz.com. Simply follow the link to see the ballot where you can vote for each position. The voting process is very straightforward and will take about one minute. Note that the ballot does have the option for write-in candidates, per our bylaws.

For those members who do not have an e-mail address registered, you will receive a paper ballot with a printed 2017 winter newsletter. The candidate biographies are provided in this newsletter which is also available on our website. Ballots will be sent out by November 1, 2017 and votes must be received by November 15, 2017.

PLEASE VOTE ONLINE
YOUR PARTICIPATION IS
APPRECIATED!



BALLOTS DUE
NOVEMBER 15th



CHEMISTRY CLUB RECEIVES ACS OUTSTANDING AWARD

LA GRANDE, Ore. (EOU) – For the eighth year in a row the American Chemical Society has recognized Eastern Oregon University's student chapter with an Outstanding Award for activities during the 2016-17 academic year.

Members of EOU's chapter will travel to New Orleans in March 2018 to receive the award at the 255th ACS National Meeting and Exposition.

The ACS Society Committee on Education selects student chapters for awards in three different classifications: outstanding, commendable and honorable mention. This year 53 chapters were recognized as outstanding, 114 as commendable, and 139 received honorable mention.

The club received glowing reviews based on the report that was submitted to ACS in May 2017. Reviewers commended the chapter for their "excellent balance of service, professional development, and chapter development" and for the "excellent job on the variety of activities for NCW, Mole Day, and CCED". They particularly praised outreach events designed to reaching out to a diverse population such as Girls in Science, Saturday Science and Science Day for Native Americans. The Chapter also excelled at engaging its members through professional activities, including hosting two Program-In-A-Box webinars and other speakers; participating in activities organized by the Richland Section; and attending the ACS National Meeting in San Francisco where students presented their research posters, engaged in networking opportunities, and attended numerous events geared towards undergraduate students.

The EOU Chemistry Club wishes to thank the Richland Section for their continued support of community outreach events including Girls in Science and Saturday Science, and for helping fund the trip to the national meeting.

PRESENTING THE 2018 SLATE OF CANDIDATES

CHAIR-ELECT *Albert Kruger*



Albert Kruger was appointed as the Glass Scientist with the US Department of Energy Office of River Protection. Albert holds in excess of 30 patents world-wide in glass science, has authored and presented over 100 scholarly papers including a prestigious Solvay Seminar, lectured at the NATO Summer School on Oxide Surfaces and presented at numerous Gordon Conferences.

Upon award of his Academic Diploma from Erasmus Hall High School in Brooklyn, New York, Albert completed his BS with Honors at Brooklyn College. He then began the doctoral program in Physical Chemistry at Syracuse University in Syracuse NY. Prior to the completion of the program Albert was offered a position on the technical staff of Bell Telephone Laboratory in Murray Hill, NJ, and later, successfully defended his dissertation on "Synthesis of Organic Solid State Conductors." After a number of years Albert accepted a position with the Physics & Materials Group of the 3M Central Research Labs where he was Group Lead for Fiber Optic and Novel Electrophotography Materials Research. Subsequently, Albert accepted the challenge of working in the lab of the world's oldest and largest glass company, Saint-Gobain Recherche in Aubervilliers France.

Albert is a Full Member of Sigma Xi, Eagle Scout and Recipient of the Silver Beaver Medal. He has embraced the strengthening his international research program by encouraging participation by students, interns, junior and mid-career staff members. Albert has created a number of opportunities for staff to pursue their dreams of furthering their education, something he views as a primary responsibility to his chosen profession.

CHAIR-ELECT *Kristin Omberg*



Kristin M. Omberg, PhD joined Pacific Northwest National Laboratory in 2015. She is the Manager of the Chemical & Biological Signature Science Group, which comprises about 50 researchers working to develop and integrate experimental and data analytics techniques spanning chemistry, biology and advanced materials to identify and solve scientific challenges of national security importance and address emerging threats. Dr. Omberg's technical work is focused on the development of science and technology solutions that can be deployed in operational environments or used to inform policy decisions. Prior to joining PNNL, Dr. Omberg spent more than 15 years at Los Alamos National Laboratory, where she was a program manager and principal investigator for numerous projects for the Departments of Homeland Security and Defense. She led field experiments and operational deployments involving environmental sampling for biological agents; investigated the persistence,

CHAIR *Ram Devanathan*



Ram Devanathan is a Technical Group Manager at Pacific Northwest National Laboratory. He obtained his Ph.D. in Materials Science and Engineering from Northwestern University. His research uses atomic-level simulations, high performance computing, and

data analytics to understand fundamental physical and chemical processes in materials. He has published widely in the areas of the effect of chemistry on radiation tolerance of ceramics for nuclear waste disposal, atomic-level interactions in materials used in solid oxide and polymer membrane fuel cells, and selective transport of molecules and ions through membranes. He is a Fellow of the American Ceramic Society and winner of the Department of Energy's Outstanding Mentor Award.

Ram is a Past Chair of the Richland Section of the ACS (2016), a Program Chair of the Northwest Regional Meeting (NORM 2018) to be held in Richland, and Associate to the Committee on Public Relations and Communications, a joint committee of the ACS Council and Board of Directors. He is looking forward to contributing to the success of the NORM 2018, taking chemistry to local schools, and promoting chemistry in the community through the Richland section of the ACS.

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fate and transport of chemical and bioterrorism agents in outdoor environments; and developed statistically based methods for evaluating detection protocols, particularly for biothreat detection. Prior to joining LANL, Dr. Omberg was a Congressional Science Fellow with the U.S. Senate Committee on the Budget. She is the recipient of an R&D 100 Award for environmental biodetection.

Dr. Omberg is a Fellow of the American Chemical Society and has been involved in ACS, in a variety of positions, for more than two decades. She was the Local Section Chair, Councilor, and National Chemistry Olympiad Coordinator of the Central New Mexico Local Section. She has been on the Committee on Chemistry & Public Affairs and the Committee on Budget & Finance; she also served as Chair of both Committees. She has served on several Presidential Task Forces and recently coordinated a workshop on advocacy for chemists. She has been trained to speak to the press under the ACS Experts Program, and has been interviewed by several media outlets on sunscreens.

PRESENTING THE 2018 SLATE OF CANDIDATES

ALT COUNCILOR *David J. Heldebrant*



I was born in Pasadena, California and went to school at the University of California at Davis, receiving a PhD in organic chemistry in 2005. I have worked at the Pacific Northwest National Laboratory since 2006, where my research focuses on green chemistry, and green engineering as a means to minimize environmental impacts of industrial processes. I have been heavily engaged with ACS at the local, divisional and regional levels. I have served our local section as Chair in 2012 and as a member of our executive committee for the past six years, and this past year I have served as interim Alternate councilor. I am currently working on behalf of the section as a Co-Chair of our upcoming 2018 Northwest Regional meeting (NORM) in Richland. I have also recently served as Program Chair for the Division of Energy and Fuels (2017). I have enjoyed serving our section, and I would like to continue my service as your Alternate Councilor. I look forward to being able to offer my experience and energy to continue our local section's exemplary track record serving our members and our community.

ALT COUNCILOR *Karthikeya Kallupalayam Ramasamy*



Karthikeyan Kallupalayam Ramasamy is a Senior Research Engineer at Pacific Northwest National Laboratory. He obtained his Ph.D. in Chemical Engineering from Washington State University. The focus of his research is to develop thermo-catalytic technologies that convert biomass and other low value material such as municipal solid waste in to high value commodity chemicals and infrastructure compatible fuels. He is a program chair for the American Chemical Society's Division of Catalysis Science and Technology (2014-Present).

As Alternate Councilor, I will represent the local section members to the ACS Council and help guide national policy that affects our members by actively participating in local section and national meetings. I am also looking forward to work on outreach activities and promote chemistry and chemical education through various local section committee events and I am delighted to contribute my time and effort in service to the local ACS section towards the overall success and growth of the organization.

TREASURER *Sandy Fiskum*



Sandy is a Richland native. She graduated from Washington State University in 1981 with a BS in Chemistry. She started her career at Lawrence Livermore (National) Laboratory in Livermore, California as an analytical chemist (primarily in the Plutonium Facility). In 1990 she started working at Battelle Pacific Northwest (National) Laboratory as a Senior Research Scientist in radio-analytical chemistry. Sandy's experience at PNNL evolved into many projects including cesium ion exchange and sludge leach testing, K Basin and tank waste sludge characterization, tank waste simulant development, and later, experience in project management.

Sandy has worked with the local section for about six years. She was the 2011-2013 newsletter editor, and local section treasurer from 2015-present. She volunteers her time to several student outreach activities. Relevant experience includes four years as treasurer for Boy Scout Troop 228 and Richland High School 2009 Senior Class Party chairman—both required astute financial tracking and budget development/adherence—as well as two years as Richland Section treasurer. Sandy would be delighted to continue her talents in service to the local ACS section as treasurer thus contributing to the overall success of the organization.

TREASURER *Cristina Padilla-Cintron*



Cristina Padilla was born and raised in Puerto Rico. She has a B.S. in Chemistry from University of Puerto Rico-Rio Piedras and a M.S. in Chemistry from University of Houston-Clear Lake. In 2016, she started working at Battelle Pacific Northwest National Laboratory as a post-masters research associate in the National Security Directorate. Her research at PNNL has focused on nuclear material science and nonproliferation projects that are developing technology and methods for destructive assay (DA) safeguards.

She volunteers her time at several student outreach activities, such as Tech Trek camp and as a mentor at the Delta High School. The treasurer position will provide her with an excellent opportunity to apply her highly organized and detailed oriented skills. As an early career professional in chemistry, she is excited about the opportunity to network with a variety of experts while helping our section.



PRESENTING THE 2018 SLATE OF CANDIDATES

SECRETARY *Mariefel Olarte*



Mariefel V. Olarte is a Chemical Engineer at Pacific Northwest National Laboratory. She joined PNNL from the Georgia Institute of Technology in Atlanta where she finished her Ph.D. in Chemical Engineering. The focus of her research was in base-catalyzed depolymerization of lignin and the subsequent catalytic upgrading of lignin-derived compounds to produce renewable hydrocarbon. She also has an MS in Paper Science and Engineering (Chemical Engineering) from GaTech.

She worked in aqueous phase reforming of actual biomass as well as hydrolysis of biomass as a means of fractionation. Currently, her research focus at PNNL is the thermochemical processing of biomass, involving chemical analysis, catalyst characterization and development as well as process development. She has been a member of the American Chemical Society since 2006 and has participated in national conferences as an oral presenter, session chair and symposium co-organizer. She had served as secretary of the Filipino-American Association of Tri-Cities from 2012 – 2014.

LET YOUR VOICE BE HEARD BY VOTING! *Anna Cavinato, Councilor*



As the Councilor for the Richland Local Section, I encourage you to take an active role in the governance of the American Chemical Society and participate in the current elections. Ballots for President-Elect 2018 are currently open through October 27, 2017. Candidates include Bonnie Carpentier and Willie May. The Richland Section will also hold election of officers from November 1 to November 15. An electronic ballot will be sent to the membership on November 1.

Historically, only a small percentage of members participate in elections whether at national or local level. It is important that every member feels their perceptions and concerns are represented and addressed by candidates of their choice.

So, let your voice be heard and cast your vote to ensure a strong governance of the Society.

Additional information regarding the 2017 National Elections can be found at <https://www.acs.org/content/acs/en/about/governance/elections/candidates.html>

PLEASE VOTE ONLINE



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Bryant and Giordan Recognized for Division Innovation Activities

Janet Bryant and Judy Giordan were recognized at a ceremony at the ACS National Meeting in Washington, DC in August. The theme of the event was "Our Volunteers and Their Monumental Impact." The awards they received were given for efforts as part of ACS president Allison Campbell's Innovation Initiative. The first award was for their work within the society's Division of Professional Relations to host a series of three "Women in Chemistry Innovation" technical symposia at three consecutive national meetings. The three sessions included outstanding women chemists in business and commerce, science and technology, and science policy and government. The second award honored their work with the Division of Small Chemical Businesses to lead technical programming, exhibition booths and networking events at four ACS regional meetings in 2016. The events focused on the global impact of entrepreneurship in the field of chemistry.



Left to Right: Rodney Bennett (DAC Chair); Janet Bryant and Judy Giordan; Allison Campbell (2017 ACS President; Richland Section)

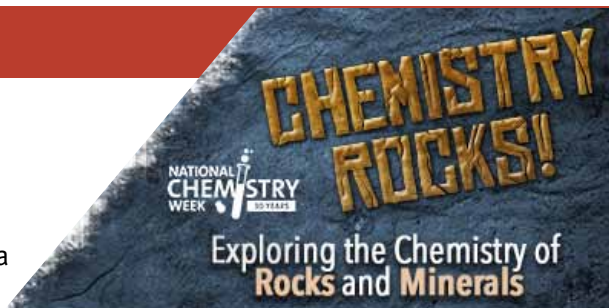
ACS PROGRAM-IN-A-BOX *Chemistry Rocks!*

In honor of National Chemistry Week (October 22-28, 2017), the Richland Section will be hosting ACS Program-in-a-Box events in TWO locations!

If you are in or near the Tri-Cities on October 24, please join us at Columbia Basin College in the Math/Science Building, Room S-145. Doors will open at 3:30 p.m. for mixers and poster viewing, followed by the live geochemistry-themed webinar from 4:00-5:00 p.m. ACS members are invited to stay afterwards to judge CBC student posters related to the National Chemistry Week theme of "Chemistry Rocks!" Winning students will be honored at our yearly awards ceremony in November.

If you are near LaGrande, Oregon on October 24, please join the Eastern Oregon University Chemistry Club for this event. The presentation will be held on the EOU campus in Badgley Hall 102 starting at 4:00 pm. For more details, please reach out to Professor Anna Cavinato (acavinat@eou.edu).

In the webinar, two experts will present: Professor Young-Shin Jun from Washington University in St. Louis (Past Division Chair of the ACS Geochemistry Division) and Dr. Brent Constantz from Blue Planet Ltd. Professor Jun will discuss how minerals are closely involved in our everyday life. In particular, she will highlight grand challenges at the energy-water-food nexus. We hope you can participate in this interactive event during National Chemistry Week!



AICHE-ACS ANNUAL PICNIC & UPCOMING ANNUAL SOCIAL

Another Successful Joint Picnic



The AICHE-ACS annual summer picnic was held on Friday, July 14 at AICHE member Greg Gauck's house. The event was attended by about 50 people. Greg tirelessly served as the grill master. There was plenty of food and beverages, good music, and a wide assortment of desserts. Members had a great time enjoying the evening shade on a hot day, in plenty of great company.

Upcoming Annual Social Nov. 3

Our Section's annual member recognition celebration will be held at 6pm on November 3rd at WSU Tri-Cities North Building Atrium. We will recognize five of our members who have completed 50, 60, and 70 years of service to ACS:

50 YEAR MEMBERS

Dr. Rebecca A. Bechtold and Mr. William I. Winters

60 YEAR MEMBERS

Dr. Michael M. Besso and Mr. James C. Langford

70 YEAR MEMBER

Mr. John R. Young

Students from Eastern Oregon University will also be on hand with posters of their research projects. Light refreshments will be served.

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UPCOMING SCIENCE CAFE & GLASS WORKSHOP



Have you ever wanted to work with molten glass? An opportunity to do just that is coming up. On Thursday November 9, 2017. Dr. Joe Ryan, a glass chemist at PNNL, will be talking about glass and its uses and leading a "Glass Lab" at The Glass Puntty at 6818 W. Kennewick Ave., Suite D, Kennewick, WA.

After the presentation around 6:30 PM, attendees will be given the option of creating a glass art piece for \$30. The glassblowers will be available to help interested patrons make a fused glass serving dish, a glass ornament, or a decorative paperweight. The fused project is suitable for all ages and requires no special safety consideration. The paperweight and ornament will involve working with hot glass and interested parties should wear long pants and closed toed shoes. Natural fabrics preferred. The class is limited to about 40 attendees, so sign in immediately when you get there. <https://www.facebook.com/theglasspunny/>

NEWLY FORMED WOMEN CHEMISTS COMMITTEE



We are delighted to inform you of a new and exciting opportunity to engage in the local ACS Richland section. At the ACS Richland Executive Committee meeting in September, a local chapter of the ACS Women Chemists Committee was approved as an appointed committee. In creating this committee, our mission and vision is to advocate for women chemists and to guide women chemists and early professionals into a successful career and active involvement in ACS with an emphasis on community outreach and mentoring. We aim to serve as a tool for women chemists within the community, as a place to address common issues and find others who can identify with such issues, as well as providing pathways for early career women chemists to interact with and learn from later-career professionals in their field. We are planning several exciting and engaging events for the coming year, including a local WCC kick-off event later this fall, an outreach event in the spring, and many opportunities for networking and mentoring. Additionally, we will be active in the planning of WCC events at NORM 2018 on the PNNL campus, including the organization of the WCC luncheon. All women involved in the chemical enterprise and other allies are welcome to these events.

Along with our advisors, Frannie Smith, Janet Bryant, and Anna Cavinato, we hope that you will take advantage of this opportunity to further participate in our local ACS section. Be on the lookout for information on our kickoff event soon! Please feel free to contact us in the meantime if you have any questions or are interested in participating in the local WCC.

Megan Nims, Chair
Shirmir Branch, Mentoring Chair
Susan Howett, Outreach Chair

Megan.Nims@pnnl.gov
Shirmir.Branch@pnnl.gov
Susan.Howett@pnnl.gov

UPCOMING EVENTS

OCTOBER 24

PROGRAM-IN-A-BOX: CHEMISTRY ROCKS!

Geochem Webinar, CBC, 4:00 PM & EOU, 4:00 PM

OCTOBER 28

GIRLS IN SCIENCE

Eastern Oregon University, 9:00 AM - 4:00 PM

NOVEMBER 3

ANNUAL MEMBER RECOGNITION SOCIAL

WSU Tri-Cities North Building Atrium, 6:00 PM

NOVEMBER 9

GLASS LAB WORKSHOP

The Glass Puntty, 6818 W. Kennewick Ave., Ste. D, Kennewick, WA, 6:30 PM

NOVEMBER 1

SECTION ELECTION BALLOTS DISTRIBUTED

A ballot will be distributed to your email by November 1. Response is required by November 15. Questions can be submitted directly to Sandy Fiskum at sandy.fiskum@pnnl.gov

NOVEMBER 15

SECTION ELECTION BALLOTS DUE

Contact Sandy Fiskum at sandenf@msn.com

ACS NEWSLETTER EDITOR SEARCH

Have you thought about volunteering with the Richland Section, but were looking for the right spot? Here is your chance to be on the ground floor of all activities in the ACS Richland Section! The newsletter editor learns about all activities as they form and develop. As the newsletter editor, you get to help formulate the stories that go with the activities. Please consider donating your time toward this opportunity. No worries. Our editor will coach you until you are confident. Contact Steve Krogsrud at steve_krogs@hotmail.com for more info.

As a matter of interest, our past editor, Alice Xu, will be moving to China soon. Xu, Senior Silane Chemist at REC Silicon in Moses Lake, will be moving to Yulin, China, to set up an analytical lab at a joint venture between REC Silicon and Shaanxi Tianhong Silicon Material Co. We wish her the best for her move and new job responsibilities!

UP-TO-DATE INFORMATION ALWAYS AVAILABLE AT <http://acs.labworks.org>