

Announcing This Year's Outstanding Junior Chemistry Students!

first published 27 March 2021

The St. Louis chapter of the American Chemical Society is pleased to announce the winners of the Outstanding Junior Chemistry Student awards for 2021. Each college and university in the local section territory chooses its winner.

ACS 2021 WINNERS OUTSTANDING JUNIOR CHEMISTRY STUDENT AWARDS

Mariah Harned Greenville University	Morgan Ward Saint Louis University *
Jessica Rosenstein Lindenwood University *	Emily Hubecky Southern Illinois University – Edwardsville *
Robbi Ross Maryville University	Michael McDonald University of Missouri – St. Louis *
Kyle Garrett McKendree University	Elena Cacchillo Washington University *
Rachel McLeod-Warrick Principia College	Nicole Shapiro Webster University

* ACS Approved Programs

Councilor Talking Points, exec. sum.

first published 28 March 2021

St. Louis Local Section Councilor **Donna Friedman**, just back from in front of her computer screen, where the national Council Meeting was hosted virtually, has provided us with the Councilor Talking Points (CTP) summary of Council and Board actions.

Herewith an executive summary of the summary, a curated selection of topics that might be of most widespread interest.

1. Candidates for President-elect and Directors were selected. You'll hear more about them in *C&E News* as election time (October) nears.
2. Pending approval by the Board of Directors, national committees have been harmonized, with terms of service set at three years, with a maximum of two successive terms. A fresh perspective is nice. But so is experience and expertise. We'll see how this works out.
3. The Committee on Local Section Activities has been granted the authority to step in when local governance fails. Possible interventions include appointing an interim executive committee or facilitating a Local Section election. I guess some Local Sections aren't as devotedly run as ours. Who'd've thought it?
4. The base dues rate for 2022 has been reduced to \$160/year from the current \$175. Wait, what? Reduced?
5. Our core values now number four, up from the previous three. With the addition of Equity, we now value Diversity, Equity, Inclusion, and Respect.
6. The set of four core values has become a strategic goal as well, bringing our **strategic goals** to five.
7. Budget and Finance reported a net from operations of \$61 million, which was almost \$20 million higher than the budget. Revenue rose while expenses were about flat, compared to 2019. This was reported to strong revenue performance from the Society's Information Services units (CAS and ACS Publications) and COVID-19 related impacts that saved more than they cost.
8. National meetings continue to be virtualized. The Spring 2021 Meeting will held virtually, live, April 5-16, followed by two weeks of on-demand access. There will be 120 live scientific sessions per day, with live Q&A and visibility of other attendees in the room. The expense of attending a virtual national meeting is significantly lower than in meatspace: reduced to \$99 for ACS Members and \$29 for students, and a 100% reduction in the costs of travel and lodging. To date, 8,724 abstracts have been accepted.
9. In Board of Directors actions, "As proscribed [sic] in the Standing Rules, the Board confirmed the Council's approval of the Petition to Harmonize Committee Structures, Processes and Terms...." "Proscribed?" Well, any way you say it, that de-pends the second point above.

As usual, if any of the above items piques your interest, you are urged to seek a bit more detail in [the full CTP document](#).



Joseph Hardimon is This Year's CS&T Awardee

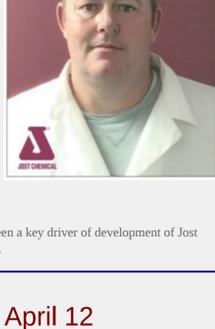
first published 31 March 2021

It is our distinct pleasure to announce the winner of the 2021 American Chemical Society, St. Louis Section, Chemical Science and Technology Award: Joseph Hardimon, MS. He is currently the Research and Development Manager of Jost Chemical Company in St. Louis. He oversees the process development, quality, regulatory, and sales & marketing of the product offerings at Jost Chemical Company.

Mr. Hardimon joined Jost Chemical Company in 1997. Starting as a research and development chemist, he has been involved with improving processes, providing technical support for the factory, qualifying new raw materials, and developing new processes on the lab and pilot scale for many of the products that Jost Chemical produces today. As Jost Chemical Company has grown, Mr. Hardimon was promoted to head the Research and Development team, which consists of multiple research and development and analytical research scientists. While Mr. Hardimon manages the research teams now, he is still is very much hands-on in the lab. He is the inventor of numerous patents of Jost Chemical Company and often publishes research articles in the company journal. Mr. Hardimon also created and instructs the "Jost Chemical Chemistry and Technology" course for existing and new hires at Jost, as well as training the research team with his over 20 years of experience in the chemical industry.

During Mr. Hardimon's successful career at Jost Chemical Company, he has served as Adjunct Instructor of Chemistry at Southwestern Illinois College for 7 years; lectured general, inorganic and organic chemistry; as well as instructing chemical laboratory sections. He also organized the Chemistry Merit Badge Symposium for Boy Scouts of America in his spare time.

Mr. Hardimon's distinguished career has been spent at the intersection of science and business, throughout which he has been a key driver of development of Jost Chemical Company. He enjoys teaching his chemistry knowledge and experience to the society, and to the next generation.



Join Us for the Online St. Louis Award Symposium on April 12

first published 31 March 2021

Back in July of 2020, we announced that Richard Loomis had been chosen as the **2020 St. Louis Award** winner. Normally we would come together to celebrate the winner's accomplishments with a dinner and symposium. We all know that the last 12 months have been anything but normal.

To help celebrate Dr. Loomis' achievement, the Symposium will take place online this month, on April 12. Below is the preliminary schedule and Zoom information. We hope to see everyone there!

Zoom: <https://wustl.zoom.us/j/94260698476?pwd=cKRjMDRjVWg3NE5jcGJxbmtBa0djQT09>
Meeting ID: 942 6069 8476
Passcode: 320419

"Exploration of Novel Chemical Reaction Pathways and Dynamics"	
12:40 pm CDT	Dr. Samina Azad – PLZ Aerospace Corporation – Chair of the St. Louis Section, American Chemical Society <i>Welcome and General Introduction</i>
12:50 pm	Dr. Sophia E. Hayes – Professor, Department of Chemistry, Washington University in St. Louis – Immediate past chair of the St. Louis Section and Symposium Chair <i>Introduction and Salute to Dr. Loomis</i>
1:00 – 1:45 pm	Dr. William E. Buhro – Professor and Chair, Department of Chemistry, George E. Pake Professor in Arts & Sciences, Washington University in St. Louis <i>Surface Chemistry of 2D CdSe Nanocrystals</i>
1:55 – 2:40 pm	Dr. David J. Nesbitt – Professor and Fellow of JILA, University of Colorado Boulder and NIST <i>Making Gold Shine: Ultrafast Optical Control Over Hot Electron Dynamics in Nanoplasmonic Systems</i>
2:50 – 3:35 pm	Dr. Marsha I. Lester – Professor, Department of Chemistry, Christopher H. Browne Distinguished Professor in Arts & Science, University of Pennsylvania <i>Spectroscopic and Dynamical Probes of Alkene Ozonolysis Reaction Pathways</i>
3:45 – 4:00 pm	Break
4:00 – 4:45 pm	Dr. Stephen R. Leone – Professor of Chemistry and Physics, John R. Thomas Endowed Chair of Physical Chemistry, University of California, Berkeley <i>X-ray Electron Dynamics: From Molecules to Solids</i>
5:00 – 5:50 pm	Dr. Richard A. Loomis – Professor, Department of Chemistry, Washington University in St. Louis, Awardee <i>Using Gen Chem to Identify Carrier Dynamics in Semiconductor Nanostructures</i>

For more information contact the St. Louis Section ACS Award Coordinator: John Taylor: taylor@wustl.edu

More on coaching undergrads

first published 31 March 2021

Greetings St. Louis Local Section Members!

Here is an update on the "Graduating Undergrad" coaching workshops. We successfully completed the February and March workshops with 20+ attendees from SIUE, UMSL, SLU, Maryville, and Principia.

At the February workshop, ACS Career Consultant **Lisa Balbes** gave several important tips on résumé writing and how to prepare for interviews. We also had a demonstration of the job search process on search engines (indeed.com) and analysis of job postings.

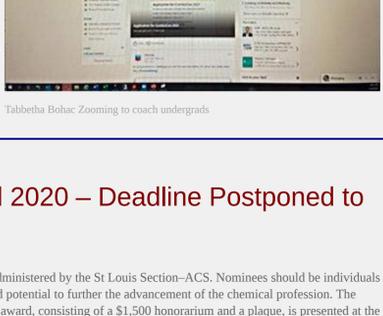
The March workshop included a presentation on how a job is created for a technical/chemist role in industry, what's important to the hiring team and the hiring process. We also had discussions with three industrial chemists:

- o **Cynthia Chapple**, Founder of STEM and a Research Chemist
- o **Rhonda Woernle**, Project Manager at Bayer Crop Science
- o **Tabbatha Bohac**, Healthcare Strategy Analyst at Numerof & Associates

The presenters shared their journey — how they got to where they are in their careers today — their day-to-day focus and activities, and the importance of soft skills like communication and teamwork at work. Tabbatha shared her LinkedIn profile and tips on how to present yourself on LinkedIn.

The third workshop is right around the corner on April 14. Looking forward to planning the Fall workshops and adding more schools to the program! Stay tuned.

All the Best,
Samina, Chair



Tabbatha Bohac Zooming to coach undergrads

Call for Nominations: Saint Louis Award 2020 – Deadline Postponed to May 31

first published 30 January 2020

Nominations are solicited for the St. Louis Award, which has been sponsored Bayer and administered by the St. Louis Section–ACS. Nominees should be individuals who have made outstanding contributions to the profession of chemistry and demonstrated potential to further the advancement of the chemical profession. The awardee is selected by a review committee constituted by the St. Louis Section–ACS. The award, consisting of a \$1,500 honorarium and a plaque, is presented at the St. Louis Award Banquet, which is typically held in October during National Chemical Week.

At the time of the nomination, nominees must not have previously received the Midwest Award or any national ACS-sponsored award. Nominees must be members or affiliates of the St. Louis Section of the ACS. Nomination packets received by May 31 are considered for award presentation in October.

Nomination packages (*vide infra*) should be prepared as a **single Portable Document Format (PDF) file** and sent by email to John-Stephen Taylor taylor@wustl.edu

Nomination letters, required as an integral component of the nomination PDF-file-package, can be formally addressed to:

John-Stephen Taylor, Ph.D.
ACS Saint Louis Award Coordinator
Department of Chemistry
Campus Box 1134
Washington University
1 Brookings Drive
Saint Louis, Missouri 63130.

Nomination packages (single PDF-file) should include, in this order:

1. a face page with the award name, the nominees name, and the date of the nomination;
2. a nominating letter, which includes note of any significant activities with the Local Section;
3. two additional seconding letters (not more) from individuals who have had a close professional affiliation with the nominee;
4. a brief biography of the nominee (one page or less);
5. a concise description of the nominee's chief accomplishments in the field (one page or less); and
6. a list of publications and patents.

Additional details can be found at URL <http://www.stlacs.org/st-louis-award/>.

Call for Nominations for the 2020 ACS Midwest Award

first published 24 February 2020

Deadline Postponed to April 30, 2020

The ACS Midwest Award, which originated in St. Louis, is conferred annually on a scientist who has made meritorious contributions to the advancement of pure or applied chemistry, chemical education, and the profession of chemistry. The contributions must have been made during a period of residence in the territory of the Local Sections that participate in the Midwest Regional Meeting of the ACS. Nominees can work in industry, academia, government, or in private practice. The St. Louis Section of the ACS sponsors and funds the Midwest Award.

The 2020 ACS Midwest Award will be presented at the **55th Midwest Regional Meeting of the ACS** to be held at the University Plaza Hotel in Springfield Missouri over the period October 21–23, 2020, we hope. The meeting is hosted by the Ozarks Local Section of the ACS. Ceremonies feature a Midwest Award Symposium, a Midwest Award Lecture and the Midwest Awards Banquet usually scheduled on the Thursday of the meeting. The Award consists of a medallion and a cash honorarium; it is presented by the St. Louis Section Chair at the Midwest Awards Banquet. Conditions of this Award include that the recipient gives the Midwest Award Lecture and attends the Midwest Awards Banquet.

Nominations should include:

- o a nominating letter for the nominee and two or more seconding letters
- o a CV for the nominee
- o a brief biography for the nominee
- o documented and objective information regarding the outstanding achievements of the nominee.

If the nominee is an academician, a list of people who received advanced degrees under their direction should be provided. Activities by the nominee that support the ACS in the Midwest Region constitute an additional criterion.

Please submit nominations electronically via a single pdf file to the e-mail address given below. All nominations must be received on or before the new deadline, **Tuesday March 31**, Thursday, April 30, 2020 (11:59 pm CST) (deadline extended due to COVID-19 upheavals). The review panel (made up of chemistry speakers, contact the Chemistry Department, 314.516.5311, or visit the [seminar schedule](#)). The department has additional seminar series which are also accessible from this page.

Please contact Jim O'Brien at obrienja@umsl.edu or call (314) 757-5717 (cell) with further questions.

Nominations should be directed to:

Dr. Jim O'Brien,
obrienja@umsl.edu
2020 ACS Midwest Award Coordinator
Department of Chemistry and Biochemistry
University of Missouri-St. Louis
One University Blvd.
St. Louis, MO 63121

Meeting & Seminars

Board of Directors

St. Louis Section–ACS Board of Directors meets the second Thursday of each month over Zoom for the foreseeable future

Date: April 8 ([via Zoom](#))

Join internet meeting at 6:00 pm for social/chit-chat
Business meeting begins at 6:30 pm

Future meetings: May 13

Maryville University

Seminars are approximately once a month on Thursdays, 4-5 pm. Details are available on the university's [seminar page](#). All seminars are free and open to the public. Contact [Jason Telford](#) for more information.

Saint Louis University

Seminars are generally on Fridays at 12 noon in Carlo Auditorium, Tegeler Hall, unless noted otherwise. Refreshments follow. For the most up-to-date information, refer to the department's [home page](#) and follow the link to the Seminar Schedule.

University of Health Sciences & Pharmacy in St. Louis

The Center for Clinical Pharmacology hosts a monthly seminar series in ARB 212 unless otherwise noted. For the most up to date information refer to the center's [seminar page](#) or contact [Jodi Maslin](#).

University of Missouri–St Louis

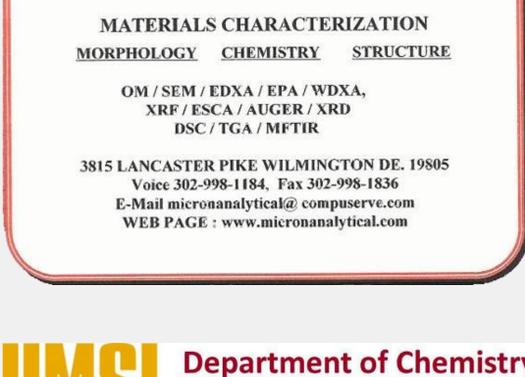
Mondays at 4 pm in 451 Benton Hall, unless otherwise specified. Refreshments 15 minutes prior to seminar time. For timely information on visiting seminar speakers, contact the Chemistry Department, 314.516.5311, or visit the [seminar schedule](#). The department has additional seminar series which are also accessible from this page.

Washington University

Seminars are in McMillen 311 at 4 pm unless otherwise noted. For information, consult the departmental [events page](#). Related seminars, including endowed seminar series and the WU med school biochemistry series, are linked here as well.

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About the Chemical Bond

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