

WILDFIRE EFFECTS ON SOIL AND AIR & RELEVANCE TO FIREFIGHTING AND SOCIETY

In this talk, Dr. Kromer will share some interesting wildfire chemistry and its many impacts on the environment and our communities.



Tuesday, February 25, 2025



Social/ Lite Dinner 6:15-7:00PM

Talk 7:00-8:00PM



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Matt Kromer, Ph.D.
Lecturer Stanford
University



Dear Members of the American Chemical Society,

January was a very busy month, especially with the ACS Leadership Conference happening in Houston, Texas. Jiyue and I traveled there to deepen our knowledge of the ACS and make connections with other ACS leaders. It was a great experience, which I recommend to anyone else who is interested in taking on a higher role within the ACS. It was also a great chance to meet some of the chairs from other nearby areas, such as Riverside and Orange County. Everyone left excited to return to our respective sections and put our new knowledge to use. There is also a lot of excitement looking towards next year and the celebration of the ACS 150th anniversary.

As we step into the second month of 2025, I'm filled with excitement and optimism about the opportunities ahead for our community. February is a time of renewal, growth, and reflection, and it serves as a great moment to reconnect with the core values that make ACS such a vibrant and essential part of the global scientific community.

A Time for Engagement and Reflection

This month, we're gearing up for several important initiatives, events, and opportunities to deepen our involvement in the broader scientific landscape. As we continue to face new challenges and breakthroughs in chemistry, your contributions remain central to our shared mission of advancing chemistry, improving lives, and shaping a sustainable future.

On **Tuesday, February 25th**, we invite you all to join us for an in person talk with **Dr. Kromer** entitled, "**Wildfire Effects on Soil and Air & Relevance to Firefighting and Society**". My heart goes out to everyone that has been impacted by recent events in southern California, and this talk is intended to highlight the environmental effects as well from the lens of chemistry. We will have a lite dinner and social hour before the talk, where I hope to see everyone. Make sure to [RSVP](#) soon as space is limited.

Recognizing Excellence

In February, we also celebrate the outstanding achievements within our community through various awards and recognitions. Whether through nominations for ACS Fellows or highlighting the impactful work of our members through the Local Sections, it is vital to acknowledge the excellence that continues to emerge from our ranks. I encourage you to nominate deserving colleagues for these prestigious honors. Together, we can celebrate the diversity of talent and the groundbreaking work that keeps chemistry at the forefront of innovation.

Upcoming Events

One of the highlights of March is the **Spring 2025 ACS National Meeting & Expo** in San Diego. This is a great opportunity to come together, collaborate, and showcase the latest advancements in chemistry. From technical symposia to networking events, there's something for every member, whether you're just beginning your career or are an established expert in your field. Please make sure to register early and take full advantage of the resources and programs available. We are also hosting a Kids Zone as part of the ACS meeting and are looking for volunteers who would like to teach our youth about glaciers and help with general activities at this side event. Look for more information on our social media if you would like to be a part of this!

Speaking of our youth, March also brings back **SuperSTEM Saturday** at CSU San Marcos. Super STEM Saturday is a one-day festival that engages kids of all ages and their families to the diverse and exciting fields of science, technology, engineering and mathematics, known as the STEM disciplines. Held in partnership with the College of Science, Technology, Engineering & Mathematics at CSUSM and The Classical Academies, Super STEM Saturday has brought science to life for more than 50,000 people in North San Diego County.

Looking Ahead

Finally, as we continue to navigate through an ever-changing global landscape, I am reminded of the incredible resilience and adaptability of our community. I look forward to seeing how we will collectively shape the future of chemistry, education, and scientific discovery in 2025 and beyond. Please remain engaged, share your thoughts, and continue to make the ACS a beacon of excellence, inclusivity, and progress.

Thank you for your ongoing dedication and contributions to ACS. Together, we will continue to make a difference in the world of chemistry and beyond.

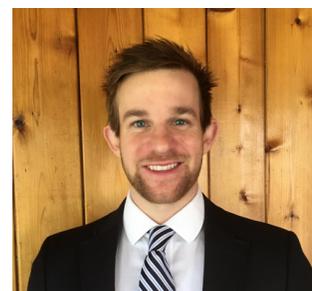
Best regards,

Max Mahler
Jackie Trischman

Wildfire Effects on Soil and Air & Relevance to Firefighting and Society

[Register here](#)

Matt Kromer, Ph.D
Lecturer Stanford
University



About the Speaker:

Matt Kromer is an alumnus of CSUSM, where he developed a passion for chemistry. After acquiring a Ph.D. in electrochemistry from the University of Illinois at Urbana-Champaign, he returned to CSUSM as a lecturer during the pandemic. He currently teaches at Stanford University but still enjoys teaching Chemistry of Wildfires at CSUSM each summer as a part of the Wildfire Science and the Urban Interface program. Combustion is, after all, “just” a redox reaction, which gave him some prerequisite knowledge to teach the subject.

About the Abstract:

In this talk, Dr. Kromer will share some interesting wildfire chemistry and its many impacts on the environment and our communities. Wildfires have immense effects in these areas due to chemical changes to the atmosphere and the underlying soil. In this general interest talk, Dr. Kromer will discuss the various chemical processes that occur and how these processes can affect us on the local and national scales, such as through effects on water treatment for low-income municipalities as well as on air quality across the country.

Plastics Circularity: Origins and New Developments in Recycling
ACS Webinars February 13, 2025 @ 10AM
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What Every Industrial Chemist Should Know: Ethics and Legal Considerations
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ACS Webinars February 27, 2025
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From Challenges to Solutions: Revolutionizing Moisture Analysis with NIR and Titration
February 12, 2025 @ 10AM
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High-Performance Materials Discovery: A Decade of Cloud-Enabled Breakthroughs
February 26, 2025 @ 8AM
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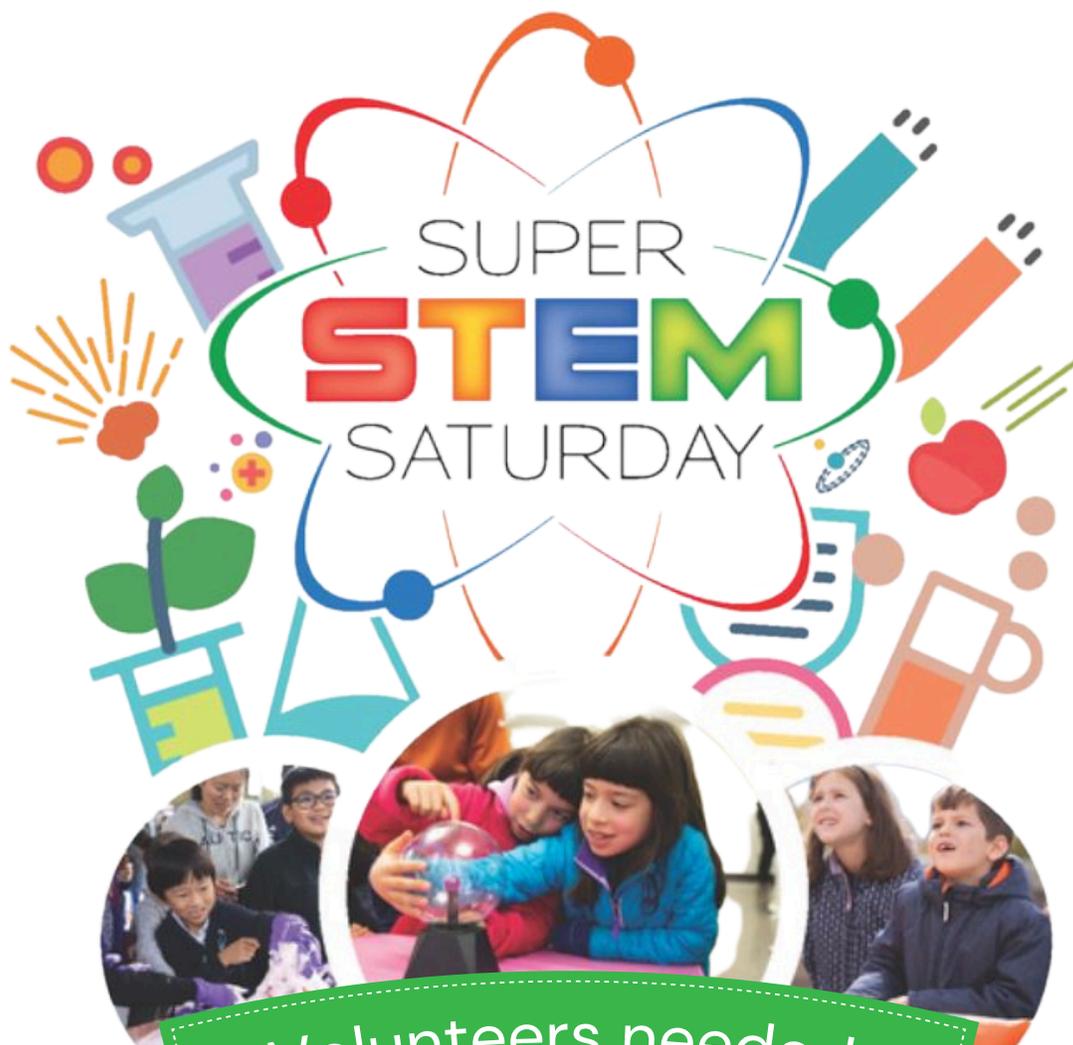
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Executive Committee Meeting
Dates 2025
6:30– 8:00 PM

March 6th,
April 3rd,
May 1st,
June 5th,
July 10th,
August 7th,
September 4th,
October 2nd,
November 6th,
December 4th.

[Zoom Meeting](#)



Volunteers needed

DATE:
SATURDAY, MARCH 8, 2025

* If you are willing to work a few hours between 9am and 4pm at our ACS booth, email Jackie Trischman at trischman@csusm.edu

* Any necessary training materials will be sent ahead of the event.

SAVE THE DATE



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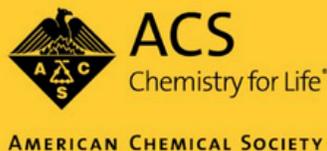
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QUESTIONS? CONTACT ROBYN ARAIZA, FACULTY DIRECTOR, AT RARAIZA@CSUSM.EDU



INDIVIDUALS WITH DISABILITIES WHO WOULD LIKE TO ATTEND THIS EVENT SHOULD CONTACT THE MATHDEPT@CSUSM.EDU REGARDING ANY SPECIAL ACCOMMODATION NEEDS. IT IS REQUESTED THAT INDIVIDUALS REQUIRING AUXILIARY AIDS SUCH AS SIGN LANGUAGE INTERPRETERS AND ALTERNATIVE FORMAT MATERIALS NOTIFY THE EVENT SPONSOR AT LEAST SEVEN WORKING DAYS IN ADVANCE. EVERY REASONABLE EFFORT WILL BE MADE TO PROVIDE REASONABLE ACCOMMODATIONS IN AN EFFECTIVE AND TIMELY MANNER.





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NON-PROFIT ORGANIZATIONS!

Does your non-profit organization have an upcoming event that might be of interest to members of the ACS – San Diego Section? If so, please send your announcement to our 2022 Chair, **Juan Gonzalez-Gonzalez** at jpgg@sandiegoacs.org. Once approved, Juan will see that your announcement is published on our website (www.sandiegoacs.org) and, if received by the 20th of the month before the event, in The San Diego Chemist newsletter. This is a free service of the ACS – San Diego Section. Take advantage of it!

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For more information, please contact:
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THE SAN DIEGO CHEMIST, the official newsletter of the San Diego Section of the American Chemical Society, published on a monthly basis, can be viewed at

<http://www.sandiegoacs.org/newsletter/>.

All contents are published at the discretion of the Section's Executive Committee. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. The deadline for items submitted is the 20th of the month for publication by the end of that month.

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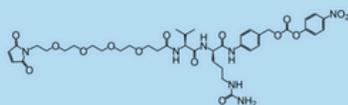
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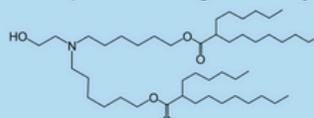
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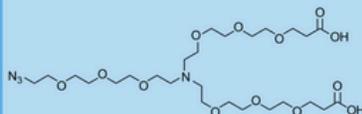
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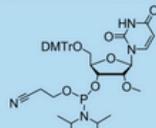
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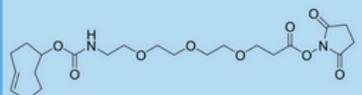
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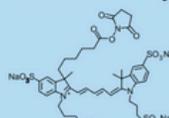
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California State University, San Marcos

Jacqueline Trischman
trischma@csusm.edu
760-750-4206

Point Loma Nazarene University

Vacant

San Diego Mesa College

Synthia Chang
schang001@sdccd.edu

San Diego Miramar College

Vacant

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Juan Gonzalez
jgonzalez3@swccd.edu
619-421-6700x5947

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