

## Message from the Division Chair

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Welcome to 2023! I hope everyone's new year is off to a fantastic start. I look forward to serving as the Division Chair for this coming year, closely supported by James Batteas (past chair), Marina Ruths (chair elect), and Jim Schneider (vice chair).

We wrapped up 2022 with a fantastic national fall meeting in Chicago with over 700 abstracts covering 18 symposia. We look forward to the Spring 2023 meeting in Indianapolis (March 26-30, 2023) with 25 symposia planned. It's hard to believe, but abstract submissions are already open for the Fall ACS meeting in San Francisco (August 13-17, 2023). Please plan to

join us there and make sure to submit your abstract by April 4. The available symposia are listed on page 4 in newsletter where this will be listed. Also, please consider joining us for the ACS Colloid and Surface Science Symposium to be held at North Carolina State University, June 4-7 2023. Plans are ongoing and detailed programming will be posted soon on the website. We hope that these upcoming gatherings will bring together our diverse membership to engage in meaningful discussion of impactful science, as well as a bit of fun!

If you have a great idea for new programming and would like to organize a symposium, I highly encourage you to host your symposium through the COLL Division. The deadline for organizing a symposium for the Spring meeting in March 2024 in New Orleans is June 1. Organizing a symposium is a fantastic way to bring together scientists from interdisciplinary and interrelated backgrounds to engage in a dialogue, network, and foster collaborations. The division provides matching funds (up to \$3000) that can be used to help cover registration fees, travel, or social gatherings. If you are interested, please reach out to our Programming Chair, Dan Miller (DSMiller@dow.com).

The Division is continuing to expand our recognition and support of outstanding members through the division awards as well as national awards. These awards include the Colloid and Surface Technology Award, the PUI student awards, the Unilever Award, the Victor K. LaMer Award, and the Langmuir Lectures, as well as the ACS Award in Colloid Chemistry and ACS Award in Surface Chemistry. Please consider applying, seeking nomination, or nominating others to these awards, so that we can fully recognize the breadth and depth of our membership and their contributions to the field of chemistry. Additionally, we also wish to actively support COLL members seeking nomination to be an ACS Fellow. Nominations for ACS Fellows are due April 1 annually.

Lastly, I would like to thank and congratulate all of the recently elected COLL leadership who are beginning (or continuing to excel at) their roles this year, including Jim Schneider (Vice Chair), Marc Ilies (Secretary), Daniel Miller (Program Chair), Rosalynn Quinones-Fernandez (Member-at-large), Deborah Leckband (Councilor) and Michael Bevan (Alternative Councilor). Without the dedication of so many COLL members who volunteer their time to this fantastic division, none of this would be possible! As we continue to expand our reach and connectivity, I also want to highly encourage any newer COLL members who are curious to learn more about, and potentially get involved in, leadership roles to please reach out directly to me and/or attend an Open Business Meeting at an upcoming National ACS Meeting. I look forward to meeting you and helping you become involved.

Best,

Lauren Zarzar  
Division Chair



*Dr. Lauren Zarzar, 2023 chair*

## Division Officers and Councilors

### Elected Officers

Chair:	Lauren Zarzar (ldz4@psu.edu)
Chair Elect:	Marina Ruths (marina_ruths@uml.edu)
Vice Chair:	Jim Schneider (schneider@cmu.edu)
Past Chair:	James Batteas (batteas@chem.tamu.edu)
Program Chair:	Daniel Miller (dsmiller@dow.com)
Secretary:	Marc Ilies (mailies@temple.edu)
Treasurer:	Lorena Tribe (lut1@psu.edu)
Membership Secretary:	Rosa Espinosa-Marzal (rosae@illinois.edu)
Member-at-Large:	Rosalynn Quinones-Fernandez (quinonesr@marshall.edu) Christopher M. Sims (christopher.sims@nist.gov) Davita L. Watkins (dwatkins@olemiss.edu)
Councilors:	Deborah Leckband (leckband@illinois.edu) Jennifer Hollingsworth (jenn@lanl.gov) Maria Santore (santore@mail.pse.umass.edu)
Alternate Councilors:	Ajay Mallia (amallia@ggc.edu) Simona Murph (simona.murph@srnl.doe.gov) Michael Bevan ( <a href="mailto:mabevan@jhu.edu">mabevan@jhu.edu</a> )

### Appointed Officers

Chair, Awards Committee:	Daeyeon Lee (daeyeon@seas.upenn.edu)
Newsletter Editor:	Ajay Mallia (amallia@ggc.edu)
Regional Meetings Coordinator:	Rosalynn Quinones-Fernandez (quinonesr@marshall.edu)
Summer Symposium Chair:	Raymond Tu (tu@ccny.cuny.edu)
Chair, Student-Industry Symposium:	Nancy Falk (Nancy.Falk@clorox.com)
COLL-PUI Award Committee:	Eric Borguet (eborguet@temple.edu) Lorena Tribe (lut1@psu.edu)
Assistant Program Chair of Awards:	Zahra Niroobakhsh (niroobakhshz@umkc.edu)

## Message from the Editor

Greetings! – It is a great pleasure to be serving as your Editor of The Colloid and Surface Chemist. Please email me any announcements, content, or photographs that you like to share in the newsletter. Please also send me your comments to Ajay Mallia (amallia@ggc.edu). I look forward to hearing from you.



## Free ACS Programs for Graduate Students and Postdocs

For information on opportunities for students and postdocs, including the ACS Preparing for Life After Graduate School Workshop [www.acs.org/gradworkshop](http://www.acs.org/gradworkshop), please contact GradEd@acs.org or visit [www.acs.org/grad](http://www.acs.org/grad).

## COLL Division Promotional Video and Website

The COLL Division promotional video is available. Please watch and share the video with your colleagues. [Watch now](#). We have recently launched a new COLL Division webpage. The new site will make it easier to access information you need about upcoming meetings, awards, and contacts for COLL division activities. <https://www.colloidssurfaces.org/>



## Highlights from the ACS National Meetings

**Spring 2022 ACS Meeting:** The Spring 2022 ACS meeting was a hybrid meeting in San Diego, California. 763 abstracts were presented at the meeting in the COLL division, including 587 oral presentations and 176 poster presentations. 23 symposia were organized that comprised 76 oral sessions during the meeting.



*Student poster presentation award winners with 2022 COLL Chair. (From L to R), Wynn Wee, Uroob Haris, COLL 2022 Chair James Batteas, Chuanyu Wang, and Falak Tawakalna.*

These included awards symposia in honor of Molly Stevens and Miquel Salmeron. COLL division outstanding student poster awards were presented to Wynn Wee, Uroob Haris, Chuanyu Wang, Falak Tawakalna, Carly Hui, and



*From L to R, Drs: Molly Stevens, James Batteas and Miquel Salmeron.*

Zhen Xiao. The division has a new symposium “Surface Science Young Investigators” that included talks by postdocs and young faculty at the start of their careers and was presented in collaboration with the journal Surface Science.

**Fall 2022 ACS Meeting:** The Fall 2022 ACS meeting was a hybrid meeting in Chicago. The COLL program consisted of 753 presentations, including 575 oral presentations in 18 symposia and 178 poster presentations. Of the 63 oral sessions, 40 were in-person, 7 virtual, and 16 hybrid. It seems likely that ACS will continue to have some hybrid sessions as part of the national meeting. Our Tuesday afternoon award session included Langmuir lectures by Janet Elliott and



*Sci-on-the-fly student speakers with the panelists at the Fall 2022 ACS Meeting*



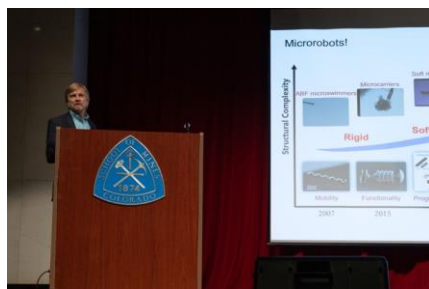
*Student poster presentation award winners with 2022 COLL Chair. (From L to R), COLL 2022 Chair James Batteas, John Peterson, Kat Busiek, and Jiachun Shen.*

Yadong Yin, the Colloid and Surface Technology Award recipient Chieh-Min Cheng, and a reprise of the Unilever lecture (officially presented at the summer meeting) by Ami Sheikhi. The division conducted its first student-planned and student-designed symposium, which consisted of 3 minute “pitches” by 32 graduate students in front of a panel of scientists from industry and national labs, followed by a career panel discussion. Each participating student received individual written feedback from the panelists. At the COLL poster session outstanding student awards were presented to the following students: John Peterson, Kat Busiek, Jiachun Shen, Jason Hsu and Zara Freeland.

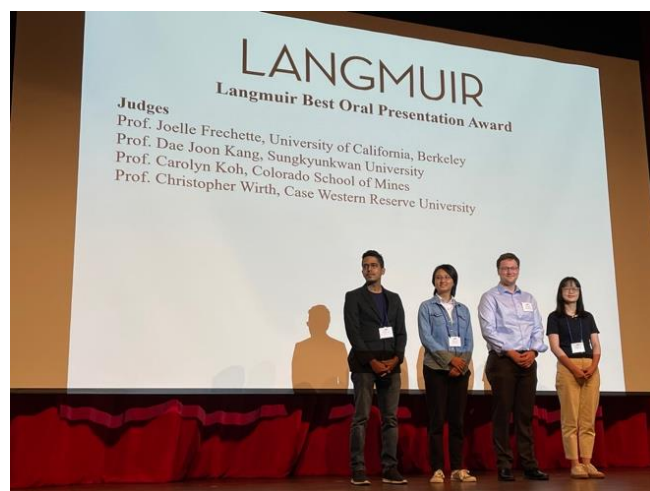


## 2022 Colloids & Surface Science Symposium Highlights

Organized by co-chairs, Ning Wu, David Marr, Carolyn Koh, and David Wu, the 96<sup>th</sup> ACS Colloid & Surface Science Symposium was held July 10-13, 2022, at the Colorado School of Mines in Golden, Colorado. Founded in 1874 at the foothills of the Rocky Mountains near Denver, the Colorado School of Mines includes ~ 7000 undergraduate and graduate students within an R1 research institution focused on understanding the earth, harnessing energy, and sustaining the environment.



After an in-person hiatus due to the COVID pandemic in the preceding two years, the conference had 420 attendees, 367 oral, and 40 poster presentations. The Symposium included 14 sessions highlighted by 38 invited oral presentations and 3 areas that tie in strongly with Colorado, including energy systems and catalysis, environmental science, and colloids in life science. Plenary lectures were presented by Prof. Naomi Halas from Rice University and Prof. Brad Nelson from the ETH in Zürich, Switzerland. Prof. Amir Sheikhi from Penn State received the Unilever award and Dr. Rebecca Pinals, MIT, received the Victor K. LaMer award. Additional highlights included a special session of the Langmuir Graduate Student Oral Presentation Awards with 11 outstanding graduate student presenters. Finally, the conference hosted a joint poster/networking session with the Mines/NREL Nexus, highlighting collaborative research activities between the Colorado School of Mines and the National Renewable Energy Laboratory.



## Upcoming Events and Deadlines

### ACS National Meeting, March 26-30, 2023, Indianapolis, Indiana and Hybrid



The Spring 2023 ACS meeting will take place in Indianapolis, Indiana. This meeting will be primarily in-person but will continue to have hybrid and online components. The Spring 2023 national meeting will highlight 23 COLL symposia with 682 abstracts (537 oral presentations and 147 poster abstracts). Check here for the meeting program [ACS Spring 2023 - Current & Upcoming Schedule \(digitellinc.com\)](https://digitellinc.com). The following table shows the COLL Symposia with dates at the Spring 2023 National meeting.

## The Colloid and Surface Chemist – Fall 2022-Spring 2023

The Industry-Academia Dialogue is an annual event that will be held at the Spring 2023 national meeting. The goal of The Industry-Academia Dialogue is to bring together researchers from industry, national laboratories, and academia into a dialogue to accelerate the chemical enterprise. This year, the Dialogue will focus on connecting students and early career researchers with senior researchers from all three of these areas, to begin to shape future collaborations. The session will commence with presentations from senior researchers and continue with a panel discussion between the presenters and the audience. The session will culminate in a more informal setting over the COLL Division lunch.

## ACS National Meeting & Exposition, August 13 – 17, 2023, San Francisco, CA



Abstract submission for the fall 2023 ACS meeting, August 13 – 17, 2023 San Francisco, CA & Hybrid, is now open. Abstracts are due April 4, 2023. The fall meeting will be hybrid. Speakers may choose to present in person or online.

If you want to organize a symposium for any future meeting, please send a proposal to the program chair by November 1st (June 1st for Spring meetings). Please e-mail a proposal to the COLL Program Chair who will act quickly to decide on the

suitability of the symposium and the best meeting to schedule it. Contact: Dan Miller (dsmiller@dow.com).

## Colloid & Surface Science Symposium (Abstracts submission deadline February 28, 2023)

The ACS CSSS is an annual 3-day national and international conference that brings together



approximately 500-700 interdisciplinary researchers from academia and industry from US and across the globe. The meeting at NC State University will be held from June 4-7, 2023 and will be organized into 13 sessions and a poster session that cover most areas of colloid and surface science, and include topics that are of special relevance to industry in the area. Modern and emerging topics, such as machine learning and AI in colloids, will also be included to draw in new researchers who are working in this important area. The NC State campus offers an array of clear strengths in terms of location, supporting institutions and facilities, and researchers involved, particularly in specific areas of scientific emphasis in the proposed Symposium sessions. The organization of the Symposium will involve a wide circle of faculty from NC State University, University of North Carolina-Chapel Hill and Duke University, as well as representatives from many

non-educational institutions and companies in the area.

## Colloid and Surface Technology Award (Deadline, February 14, 2023)

Purpose: To recognize and encourage applied and translational work in colloid and surface science by individuals or small teams of researchers (typically 2-4) in industry, government laboratories or academia.

Award: The award consists of \$3,000 and a plaque. In addition, up to a total of \$1000 will be provided towards travel expenses for one or more speakers to attend the meeting at which the award will be presented. The winner or winning team is expected to deliver a lecture at the fall ACS national meeting.

## The Colloid and Surface Chemist – Fall 2022-Spring 2023

Eligibility: Researchers in industry, government laboratories or academia are eligible to apply. Special consideration will be given to the originality and creativity of the research leading to the process or product developed and to its impact on society. Establishment and Support: The award was established in 2020 by the ACS Division of Colloid and Surface Chemistry.

Link: for additional information, including submission process, see <https://www.colloidssurfaces.org/awards/>

### 2023 ACS Fellows Nominations (Deadline is April 1, 2023)

Nominations for the ACS fellowship by COLL Division members should be submitted directly to the ACS at <https://www.acs.org/content/acs/en/funding-and-awards/fellows.html>

Nominees seeking a letter of attestation from the COLL Division in support of their nomination, should contact the Past-Chair, James Batteas at [batteas@tamu.edu](mailto:batteas@tamu.edu). The COLL division can support up to 6 nominees.

### PUI Undergraduate student award (Deadline March 24, 2023)

Undergraduate students and advisors from PUI (Primarily Undergraduate Institution) are invited to contribute to the standing symposia of the Colloid and Surface Chemistry division in the following topics (nanomaterials, surface Chemistry, basic research in colloids, surfactants and Interfaces, and biomaterials and bio interfaces). One student abstract will be selected for an oral presentation in each of these four symposia. The others would be invited to present their work as a poster at the national meeting. The award (one for each of the four symposia above) will consist of: Student registration fee for the national meeting, travel support for the student (\$200), Invitation to the student and advisor to Colloid and Surface Chemistry division luncheon, and award certificate for student and advisor (presented at the luncheon).

Application and selection process: The application consists of two parts: An abstract Nomination letter from the research advisor explaining why the student would deliver a good presentation. The letter should clearly indicate the intended target symposium (see the list above). Both of these should be submitted via the link below by March 24, 2023.

Link: for additional information, including submission process, see <https://www.colloidssurfaces.org/awards/>

### 2023 Langmuir Lectureship Award (Deadline, February 14, 2023)

The Langmuir Lectureship recognizes two individuals working in the broad field of colloid and surface chemistry. The winners will give their lectures at a dedicated symposium at the Fall 2023 ACS meeting. Each winner will receive an award plaque, an honorarium of US \$3,000, and up to US \$1,500 in travel and accommodations funding to attend and present at ACS Fall 2023. Each winner will be asked to submit their lecture title and abstract on or before the ACS Fall 2023 COLL Division abstract submission deadline. Following the lecture, each winner will be invited to contribute a Feature Article for publication in *Langmuir* based on their lecture. The manuscript will be subject to peer review. If you have any questions, please send them to Daeyeon Lee (COLL Division Award Committee Chair): [daeyeon@seas.upenn.edu](mailto:daeyeon@seas.upenn.edu). Before making a nomination, you must obtain the nominee's consent to share information about them as part of the nomination process. This is necessary for the ACS Division of Colloid and Surface Chemistry (COLL) and The American Chemical Society, ACS Publications to comply with laws and rules around the processing of personal data. To make a nomination, please email a SINGLE PDF FILE containing the following items in this order to [daeyeon@seas.upenn.edu](mailto:daeyeon@seas.upenn.edu) with the subject of "Langmuir Lectureship Nomination" by February 14, 2023.

(1) A nomination letter that provides insight into the impact of the individual's research accomplishments and their relevance to applications, as well as the nominee's ability to give a dynamic lecture to a broad audience. The nomination letter should contain a carefully edited 25-word citation highlighting the nominee's contribution to the field of colloid and surface chemistry.

(2) A supporting letter from another individual familiar with the nominee's work.

(3) Second letter of support (optional).

(4) The Nominee's CV including education, appointments, honors and awards, a list of up to 25 relevant publications (including those from *Langmuir*), and a short description of highlights of research activities.



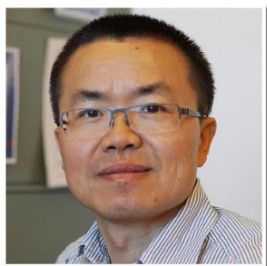
## ACS Colloid and Surface Science Travel Awards

COLL will award several travel grants of up to \$500 per Ph. D graduate student or postdoctoral researchers the first author of contributed oral presentations in sessions sponsored by COLL at ACS Spring or Fall National Meeting startings. Applicants will be chosen based on the quality of their work as evidenced by the abstract of the paper) letter of support from their academic advisor and the travel distance. Applicants must be Ph. D. students or postdoc at the time of the National Meeting. Applications from individuals from groups underrepresented in STEM fields are particularly encouraged. Both student/postdoc and advisor, domestic or foreign, must be members of COLL, not just of ACS. A student may only receive COLL Travel Award once during their Ph.D. and postdoc. Decisions for the awards will be sent by e-mail to the applicants be for the ACS National Meeting with instructions on how to receiver reimbursement checks. Please check <https://www.colloidssurfaces.org/awards/> for the updates.

## Regional Meetings

The COLL Division provides up to \$500 per symposium, with a maximum of two symposia per regional meeting, for programming that is consistent with the scientific mission of the Division with the stipulation that COLL funding must be acknowledged in the meeting program. Interested organizers of relevant symposia at future regional meetings should contact the division's regional meetings liaison, Prof. Rosalynn Quinones (quinonesr@marshall.edu) to request COLL support. All requests should identify the regional meeting, with dates and location, along with the symposium or symposia titles, a list of topics to be included, names of speakers (if known) and a statement of how Division funds will be used.

## Awards



Dr. Yadong Yin

Professors Yadong Yin (University of California, Riverside) and Janet A. W. Elliott (University of Alberta) were selected as the winners of the 2022 Langmuir Lectureship Award. Dr. Chieh-Min Cheng, Xerox Corporation was awarded the Colloid and Surface Technology Award. This award recognizes the applied and translational work in colloid and surface Science by

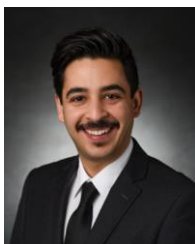


Dr. Elliott receiving the Langmuir lectureship award from the COLL 2022 chair.

individuals or small teams of researchers (typically 2-4) in industry, government laboratories or academia. Dr. Amir Sheikhi, The Pennsylvania State University was awarded the Unilever Award. The Unilever Award recognizes the fundamental work in colloid or surfactant science carried out in North America by researchers in the early stages of their careers. Dr. Matthew Tirrell, The



Dr. Chieh-Min Cheng



Dr. Amir Sheikhi

University of Chicago was awarded the 2022 American Chemical Society Award in Colloid Chemistry.



(L to R): Juan de Pablo, Artem Rumyantsev, Matthew Tirrell, Blair Brettman, and Samanvaya Srivastava.

## 2022 Fall Colloid and Surface chemistry PUI student award winners

### *Basic Research in Colloids, Surfactant and Interfaces*

Quang Dang (Advisor: Michael Leopold), University of Richmond

Klaudia Figueroa (Advisor: Ajay Mallia), Georgia Gwinnett College

Derek Aguilar (Advisor: Richard Sheardy), Texas Women's University

### *Biomaterials and Biointerfaces*

Evan Danielson (Advisor: Jason Berberich), Miami University - Ohio

Jonathan Goetsch (Advisor: Jason Keleher), Lewis University

Emma Figuerdo (Advisor: Grace Stokes), Santa Clara University

### *Nanomaterials*

Kathryn Woodburn (Advisor: Mark Hendricks), Whitman College

Megha Singh (Advisor: Gaurav Pandey), Univ. of Petroleum & Engineering Studies

### *Surface Chemistry*

Camron Stokes (Advisor: Abraham Wolcott), San Jose State University

Grace Todd (Advisor: Pamela Lundin), High Point University

## Message from the Membership Secretary

Encourage your colleagues and coauthors to become members of the Division of Colloid and Surface Chemistry (COLL)! COLL is one of the most active Divisions in the American Chemical Society with approximately 1900 members throughout the world. Scientists like yourself join the Division to benefit professionally from the exchange of scientific information between its members. Attendance and presentations at the Division's conference symposia provide excellent opportunities for professional networking and for enhanced visibility of your research. Every year, nearly 2000 research presentations are made in the COLL Division at the two ACS National Meetings and the unique summer symposium of the COLL Division. As a Division member, you can also volunteer to organize a thematic technical symposium on a topic of your interest at the ACS National Meetings. To learn more about our activities, fellowships, and awards, visit our webpage at [colloidssurfaces.org/](http://colloidssurfaces.org/)



To join the Division, go to <https://home.acs.org/forms/s/technical-divisions?sc=TDJoinPage>. Non-ACS members can also join the Division by choosing the option "Society affiliate". If you are an ACS member, you can also log in <https://www.acs.org/> and then select "Membership & Networks", "Technical Divisions" and "Join a Division". On the application form, fill in the code 509 for the COLL division. The Division Membership Fees are: \$15 (ACS member), \$16 (ACS non-member, COLL affiliate), or \$5 (ACS student member). First-time members of ACS are eligible to join up to three Technical Divisions FREE for one year.

## ACS Innovation Hub LinkedIn Group

The ACS Technical Division leaders would like to invite entrepreneurially-minded COLL members to the new Innovation Hub LinkedIn group, where those interested in entrepreneurship in the chemical industry can make important connections, get advice, and learn about the latest trends driving chemical industry innovation. The group has already gained more than 350 members since its launch in early July, and we're sharing valuable content and fostering collaborative conversation every day. With your help, the group will continue to grow and be a valuable incubator for entrepreneurship and innovation in the chemical space. <https://www.linkedin.com/groups/12269166/>

