



ACS Division of Energy & Fuels

ACS ENFL 2024 Winter Newsletter

Dear ENFL Members,

We are delighted to bring you the 2024 Winter newsletter, featuring the latest 2025 ENFL Annual Election results and insights from our recent ENFL Membership Survey. Meanwhile, we would like to highlight our Industry Committee that continuously delivers collective efforts to bridge the gap between academia and industry. As we look ahead, we are inspired by our commitment to fostering a vibrant community dedicated to advancing innovation in the energy sector in the coming new year.

Newsletter Editors: Ronald Marquez, Honghong "Crystal" Shi

Featured News

American Chemical Society Division of Energy & Fuels - 2025 Annual Election Results

The ACS Energy & Fuels Division is pleased to announce the results of the 2025 election. We extend our heartfelt congratulations to the newly elected officers:

Chair-Elect (2025)	Secretary (2025-2026)	Director-at- Large (2025- 2027)	Councilor (2025-2027)	Alternate Councilors (2025-2027)
Cesar Ovalles	Greeshma Gadikota	Michelle Kidder	Jingbo Louise Liu	Ah-Hyung "Alissa" Park
				

To all who participated—candidates, voters, and supporters—your commitment strengthens our community and drives our collective success. Thank you for your dedication and for fostering an environment where innovation, collaboration, and leadership thrive.

We look forward to an exciting year ahead, guided by these outstanding leaders as we pursue new achievements in energy and fuels research and practice!

2024 ENFL Membership Survey: Insights and Reflections

We extend our heartfelt thanks to everyone who participated in the 2024 ACS Energy & Fuels Division Membership Survey. Your feedback is invaluable in shaping the future of our division. Below, we share the main findings from the survey:

Who We Are

- **Diverse Membership:** Our community includes graduate students (21%), tenure-track academics (20%), and industrial researchers (16%).
 - **Age Range:** Majority are early to mid-career professionals aged 25–44.
 - **Backgrounds:** Members primarily come from engineering (55%) and chemistry (35%).
 - **Global Presence:** While most are based in the United States (88%), we also have members from Asia and Canada.
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Your Engagement*

- **Active Participation:** 67% have given oral presentations, and 35% have presented posters in the last three years.
- **Event Involvement:** Popular activities include division dinners (60%) and networking events like coffee hours (52%).
- **Volunteering Spirit:** A strong 84% are interested in volunteering, especially in symposium organization (61%) and student engagement (46%).

*Multiple selection questions, values per item can be up to 100%

What Matters to You

- **Top Interests:** You want more on catalysts, sustainability, and carbon capture utilization, and storage (CCUS).
- **Communication Preferences:** Email is your preferred channel (44%), followed by LinkedIn (26%).
- **Reasons for Joining:** Networking opportunities (40%) and quality technical programs (35%) are key.

Thank you for your participation and dedication to ENFL. Together, we're advancing the energy field towards sustainability within ACS.



ACS Division of Energy & Fuels



1. **57 respondents**
out of 1659
members



2. **Age groups:**
25 to 34
(32.1%)
35 to 44
(30.6%)
55 to 64 (18%)

3. **Mostly early and mid-career professionals:**

Graduate students (21.4%)
Tenure-track academics
(19.6%)
Industrial Researcher (16.1%)
Postdocs (10.7%)
Federal or Gov. Labs (10.7%)
Non-tenure track academic
(8.9%)



4. **Gender**
Female 30.4%
Male 67.9%
Other 1.7%



5. **Background:**
Engineering
(54.6%)
Chemistry (34.6%)



6. **Membership:**
2-5 years (45.5%)
<1 year (16.4%)
11-20 years (16.4%)



7. **Region:**
America
(87.7%)
Asia (7%)



8. **Satisfaction level with technical program:**
3.9 out of 5

9. **Suggestions for improvement:**

Enhancing presentation quality
Better organization
Transparency in awards recognition



10. **Respondents are working on:**
Renewable Energy (14.6%),
CCUS (12.7%)
Analytical Techniques
(9.1%), Catalysis (9.1%)
Energy Storage, Batteries
(7.3%), Circular Economy
(7.3%), Sustainability
(7.3%).



11. **Communication channels:**
Somewhat effective (58.9%)
Extremely effective (41.1%)



12. **Preferred channel of communication:**
Email blast (44.0%)
Linkedin (25.9%)

13. **Participation in ACS meetings the last 3 years:**

Oral presentation
(45.5%)
Poster (35.0%)

14. **Respondents want to see more in future events:**

Catalysts (10.59%)
Sustainability (10.59%)
CCUS (9.02%)



15. **Most popular ENFL events:**
Dinner banquet
Coffee hours
Program/executive committee meetings



17. **Interests:**
Volunteering (83.9%)
Symposium (60.9%)
Student engagement
(45.7%)



16. **Main reasons for joining ENFL:**
Networking/mentoring (40.4%)
Technical program quality
(35.1%)

Voices from the Energy Industry

The ACS Journal *Energy & Fuels* will be launching “Voices from the Energy Industry” in January 2025 issue, which is a new initiative as part of strong collaboration between ACS ENFL Division and *Energy & Fuels*. This new series of short highlights—authored or co-authored by industry experts—will offer timely insights into emerging opportunities, technology, policy, and workforce needs, all focused on building a more sustainable, net-zero energy future. The editorial by the Editor-in-Chief of *Energy & Fuels* can be found at [10.1021/acs.energyfuels.4c06162](https://doi.org/10.1021/acs.energyfuels.4c06162)

energy&fuels

The first highlight, from the **Industry Committee of the ACS ENFL**, will be published in the January issue and will explore how the ENFL fosters research and innovation to bridge

What You Need to Know about the ENFL Industry Committee

Our Mission and Commitment

As an integral part of the American Chemical Society, the Division of Energy & Fuels (ENFL) focuses on **fostering collaboration, innovation, and education to tackle the significant challenges facing our planet**. One of the main goals is to **bridging the gap between academic research and industry needs** in the energy sector. With a diverse membership of over 1,650 professionals from various scientific backgrounds, we are committed to promoting research and technological advancements in energy production, storage, and utilization.

- **Collaborative Platforms:** ENFL actively organizes symposia, workshops, networking events, technology shows, and learning series that bring together experts from academia, industry, entrepreneurship, and government.
- **Bridging Academia and Industry:** Within the ENFL, our Industry Committee serves as a vital link for collaboration. We focus on aligning academic innovations with industry needs, fostering partnerships that accelerate the adoption of cutting-edge technologies.
- **Recognition of Excellence:** ENFL provides multiple award opportunities and promotes recognition of achievements via our publishing partners, e.g. the Energy & Fuels Journal. The Industry Committee advocates for acknowledging outstanding contributions from industrial researchers, contributing to ensure that industrial contributions are appropriately acknowledged.

ENFL Industry Committee's Role

- **Facilitating Collaboration:** We aim to establish frameworks that bring together stakeholders to address energy transition challenges, fostering partnerships between academia and industry.
- **Public-Private Partnerships:** Leveraging strengths across sectors, we facilitate discussions on industrial advancements related to renewable energy infrastructure development and biofuel commercialization with a broader community in the ACS meetings.
- **Regulatory Shifts:** we follow and communicate new government policies to support clean energy adoption, requiring traditional energy companies to adapt their strategies and technologies.
- **Workforce Development:** There's a growing need for individual skill development in renewables, energy storage, smart grids, advanced data analysis, CCUS, etc. The Industry Committee is committed to facilitating training and professional development opportunities within the ENFL community.

Interested in joining us? Contact our Industry Committee Chair, Dr. Wei Wang, to volunteer or learn more. [✉ wangw.chem@outlook.com](mailto:wangw.chem@outlook.com)

ENFL INDUSTRY COMMITTEE

OUR MISSION

Promote connection, participation and representation by industrial energy researchers in order to stimulate mentoring, practical research and technology development, sponsorships, internships and career opportunities.

ENFL ACTIVITIES

SPONSORSHIP

- Coffee and snack breaks
- Division Dinner
- Complementary ticket
- Short remarks opportunity
- Sponsorship ...
- ... and more



Diving into the operations of a real-world refineries and operations

going to top level up...



HOW WE DO IT

Committee meetings monthly

New members with a good standing in ENFL division

Induction of new members by recommendation and approval

Major decisions by the majority

Members are encouraged to leader a sub-team on activities

Chair is appointed by the division chair

A vice-chair selected for continuity

Partner with ENFL: Become a Sponsor

Join us in shaping the future of energy and fuels. By sponsoring the ACS Energy & Fuels Division, your company will:

Gain Visibility: Connect with a network of professionals and industry leaders.

Support Innovation: Contribute to advancements in energy research and sustainability.

Demonstrate Leadership: Show your commitment to a sustainable energy future.

Interested? Contact our Industry Committee Chair, Dr. Wei Wang, to learn more.

□ wangw.chem@outlook.com

SPONSORSHIP

PLATINUM
\$5000

- Coffee break/snack breaks during the Spring AND Fall Meeting of the sponsoring year
- Division Dinner for the Spring AND Fall meeting, one complementary ticket for each \$1000 dollars donated per meeting
- Opportunity to give short remarks during the Division dinner
- Sponsorship level listed in every Division newsletter of the sponsoring year
- Recognized on ENFL social media as a division sponsor



GOLD
\$2500

- Coffee break/snack breaks during the Spring OR Fall Meeting of sponsoring year
- Division Dinner for the Spring AND Fall meeting, includes one complementary ticket for each \$1000 dollars donated per meeting
- Opportunity to give short remarks during the Division dinner
- Sponsorship level listed in every Division newsletter of the sponsoring year
- Recognized on ENFL social media as a division sponsor



LITHIUM
\$1000

- Division Dinner for the Spring OR Fall meeting, one complementary ticket per meeting
- Sponsorship level listed in every Division newsletter of the sponsoring year
- Recognized on ENFL social media as a division sponsor



CARBON
\$500

- Sponsorship level listed in every Division newsletter of the sponsoring year
- Recognized on ENFL social media as a division sponsor



Annual
Sponsorship Levels

<https://enfl.aps.anl.gov/>



For volunteering opportunities or feedback to ENFL, please reach out to enfldivision@gmail.com. We appreciate your involvement!

Special Thanks to Our Sponsors!



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