

Welcome to the American Chemical Society (ACS) Division of Energy & Fuels (ENFL) Spring 2019 Newsletter! Included in this newsletter are:

1. A letter from our 2019 ENFL Division Chair, David Heldebrant
2. ENFL's website gets an overhaul
3. ENFL by the Numbers – Summary of Membership Demographics
4. ENFL at the Spring ACS National Meeting in Orlando Florida (March 31<sup>st</sup> – April 4<sup>th</sup>)
  - a. ENFL Awards
  - b. ENFL sponsored and co-sponsored symposia of interest
  - c. Additional ENFL Events at the conference
5. Update for the upcoming ACS Council Meeting
6. 2019 ENFL Officers, appointed positions, and volunteers

## **A letter from the ENFL Division Chair, David Heldebrant**

Dear Colleagues,

Thank you for the opportunity to serve as the ENFL 2019 Chair. The Executive Committee and I are looking forward to another big year in. We aim to further our mission to “Promote and advance energy-related research, development, and education to address the world’s energy and chemical challenges.”

As you know, the ACS is the largest scientific professional society in America. We pride ourselves on our professional and personal interest and support of each other and our communities. I want to recognize and thank last year’s officers, committee members and volunteers for generously donating their time and talents that made last year a great success! The officers of this division are here to support the ACS, but more importantly, you – our members. So please, tell us if there are any programs, activities or opportunities you would like the division to pursue.

Getting involved with ENFL is easier than you think, and quite rewarding. We encourage those who are interested to email any member of the Executive Committee or stop by during our lunch social on Monday, April 1<sup>st</sup> at 11:30am at the West Hall E2 at the Orange County Convention Center.

I’m looking forward to another great year and hope to see you at one of our events in 2019! Don’t forget to attend the ENFL Spring 2019 Dinner in Orlando, which will be held Tuesday evening at Café Tu Tu Tango. Get your tickets before they sell out!

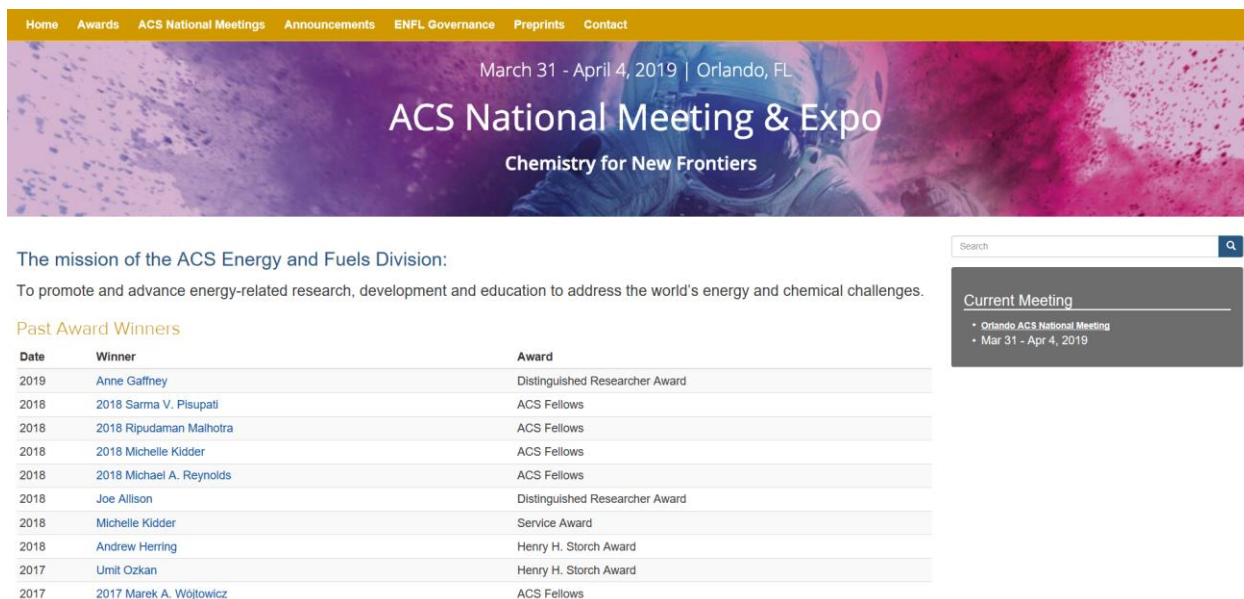
Kind regards,

Dave Heldebrant



## New Year and a New ENFL Website

With the start of a new year, the [ENFL website](#) got a complete makeover! Be sure to take a look to get your latest ENFL related news and announcements including information on awards, contact information for ENFL officers, and access to past ENFL newsletters.



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March 31 - April 4, 2019 | Orlando, FL

## ACS National Meeting & Expo

Chemistry for New Frontiers

The mission of the ACS Energy and Fuels Division:  
To promote and advance energy-related research, development and education to address the world's energy and chemical challenges.

Search

Current Meeting

- Orlando ACS National Meeting
- Mar 31 - Apr 4, 2019

Date	Winner	Award
2019	Anne Gaffney	Distinguished Researcher Award
2018	Sarma V. Pisupati	ACS Fellows
2018	Ripudaman Malhotra	ACS Fellows
2018	Michelle Kidder	ACS Fellows
2018	Michael A. Reynolds	ACS Fellows
2018	Joe Allison	Distinguished Researcher Award
2018	Michelle Kidder	Service Award
2018	Andrew Herring	Henry H. Storch Award
2017	Umit Ozkan	Henry H. Storch Award
2017	Marek A. Wójciewicz	ACS Fellows

## ENFL by the Numbers – Summary of Membership Demographics

To better understand the Division of Energy & Fuels, some high-level demographics of the membership are provided below. Currently, the division has 2,250 members from over 60 countries and 18 degree focus areas.

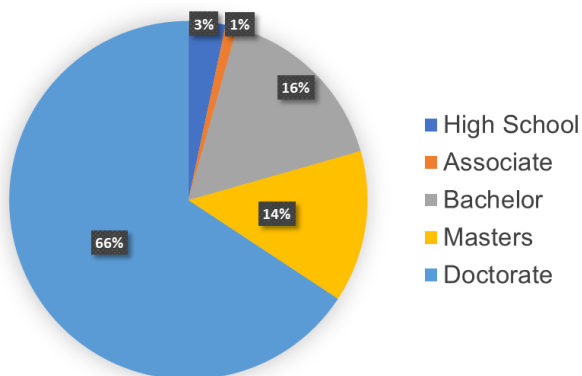


Figure 1 - Highest Degree Received

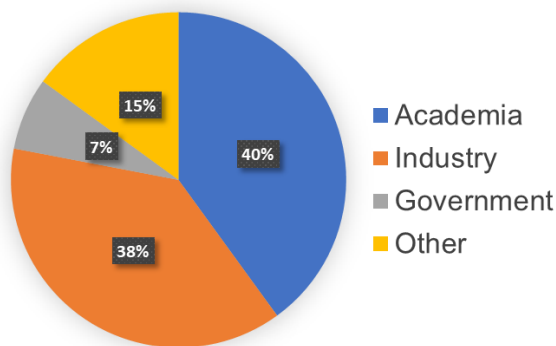


Figure 2 – Sector of employment

## ENFL at the 2019 Spring ACS National Meeting & Exposition

Orlando, Florida March 31<sup>st</sup> through April 4<sup>th</sup>

ENFL will be sponsoring and hosting a number of events throughout the 2019 Spring ACS National Meeting & Exposition in Orlando Florida. Listed below are some potential events of interest. Make sure to follow ENFL on social media throughout the meeting for updates:



### ENFL Awards

We are pleased to announce that the [Henry H. Storch Award in Energy Chemistry](#) is now an [ACS National Award](#)!

Two of our members are receiving ACS National Awards and one is receiving an ENFL award at the Spring meeting including:



**Chunshan Song** of Penn State University will receive the 2019 **George A. Olah Award in Hydrocarbon or Petroleum Chemistry**. This award is to recognize, encourage, and stimulate outstanding research achievements in hydrocarbon or petroleum chemistry. Chunshan is recognized for his groundbreaking contributions to adsorptive desulfurization of hydrocarbon fuels, adsorptive CO<sub>2</sub> separation, and catalytic CO<sub>2</sub> conversion to fuels and chemicals.



**Ive Hermans** of the University of Wisconsin-Madison is receiving the 2019 **Ipatieff Prize** which recognizes outstanding chemical experimental work in the field of catalysis or high pressure, carried out by an individual of any nationality under 40 years old. Ive is recognized for innovative contributions and industrial impact in catalytic oxidations and other chemical transformations.



In addition, **Anne Gaffney** of the Idaho National Laboratory will receive the **ENFL Distinguished Researcher Award** which recognizes her significant and original contributions in research and developments that have advanced the field of petroleum chemistry.

### ENFL Sponsored and Co-Sponsored Symposia

ENFL will be sponsoring several symposia at the Spring conference in the Orange County Convention Center, West Hall B4, Theaters 12 through 20. For a complete listing, please visit the [ACS website](#) and search for "ENFL" in the technical program. Some symposia of particular interest are listed below.

[ENFL Plenary: Chemistry for New Frontiers of Sustainable Energy & Fuels](#)

**Location:** Room W230D, Orange County Convention Center

**Date & Time:** Tuesday, April 2<sup>nd</sup> 9:00 AM

[George A. Olah Award in Hydrocarbon or Petroleum Chemistry: Symposium in Honor of Chunshan Song](#)

**Location:** West Hall B4 - Theater 12, Orange County Convention Center

**Date & Time:** Sunday AM, March 31<sup>st</sup> through Tuesday PM, April 2<sup>nd</sup>

[Celebrating 50 Years of ExxonMobil's Corporate Strategic Research Laboratories: A View Forward from a Retrospective](#)

**Location:** West Hall B4 - Theater 20, Orange County Convention Center

**Date & Time:** Monday, April 1<sup>st</sup>

[ENFL Distinguished Researcher Award: Symposium in Honor of Anne Gaffney](#)

**Location:** Orange County Convention Center: West Hall B4 - Theater 18

**Date & Time:** Wednesday PM, April 3<sup>rd</sup> through Thursday AM, April 4<sup>th</sup>

[Third ACS NASA Symposium: Chemistry for Humanity's Next Giant Leap](#)

**Location:** Orange County Convention Center: Room W314A

**Date & Time:** Monday PM, April 1<sup>st</sup> through Tuesday PM, April 2<sup>nd</sup>

[Division of Energy & Fuels Poster Session](#)

**Location:** Orange County Convention Center: West Hall C

**Date & Time:** Tuesday, April 2<sup>nd</sup> at 6 pm

*Additional ENFL Events in Orlando*

**ENFL Programming Meeting and Executive Meeting**

**Location:** Orange County Convention Center: Room W224GH

**Date & Time:** Sunday, March 31<sup>st</sup> 1 to 6 pm

**ENFL Social Luncheon, Business Meeting, and Student Poster Session**

**Location:** Orange County Convention Center: West Hall E2

**Date & Time:** Monday, April 1<sup>st</sup> 11:30 am to 12:30 pm

**ENFL Division Dinner**

**Location:** Cafe Tu Tu Tango, 8625 International Drive

**Date & Time:** Tuesday, April 1<sup>st</sup> 6:30 pm – 9:30 pm

## Update for the upcoming ACS Council Meeting

*Prepared by Joe Allison*

The Division's Councilors will attend the ACS Council meeting on Wednesday morning, April 3rd. Several Councilor's Action votes will take place during this meeting. The Council Actions will be:

1) The Council will select two candidates for the 2020 President-Elect ballot. Two will be selected from the four nominees put forward by the Committee of Nominations and Elections. The candidates selected will appear on the 2020 President-Elect ballot along with any qualified petition candidates. The nominees are (alphabetical order):

- Magid Abou-Gharbia, Northeastern Section
- H. N. Cheng, Louisiana Section
- Carol Duane, Northeastern Ohio Section
- Christopher Welch, New Jersey Section.

2) The Council will also vote to allow amendments to the Society's Bylaws that will be designed to streamline future changes to operational procedures. If approved, the amendments must be confirmed by the Board of Directors and ratified by the members of the Society

3) The annual increase to the Membership Dues for 2020 will be discussed. As per the Society's formula, the Dues will increase by the percentage increase of the Consumer Price Index and rounded up to the nearest dollar. Hence, the Society Dues will increase from \$175 to \$180 for 2020 upon approval

4) The Council will vote on approval to allow formation of the Pakistan International Chemical Sciences Chapter

5) Approval for continuation of the international dues discount will be requested. This program allows for discounted dues for those Society members residing in the Middle to Lower Income class countries based on the World Bank Classifications. The vote will approve the extension of the program. Members residing in the Upper Income class countries will remain to pay full dues. If you have any concern or input on these Actions, please contact one of your ENFL Division Councilors.

## ACS DIVISION OF ENERGY & FUELS 2019 OFFICERS

<p><b>(Division) Chair:</b> David Heldebrant Pacific Northwest National Laboratory Applied Materials and Performance David.Heldebrant@pnnl.gov</p>	<p><b>(Division) Councilors:</b> Joe Allison (2018-2020) JDA.technology@gmail.com</p>	<p><b>Awards Chair &amp; Webmaster:</b> Randall E. Winans (Appointed) Argonne National Laboratory rewinans@anl.gov</p>
<p><b>Immediate Past-Chair</b> Alissa Park Columbia University, Dept. of Chemical Engineering, ap2622@columbia.edu</p>	<p>Elise Fox (2018-2020) Savannah River National Laboratory Energy Materials elise.fox@srnl.doe.gov</p>	<p><b>Membership:</b> Ranjit Koodali (Appointed) University of South Dakota Dept. of Chemistry Ranjit.Koodali@usd.edu</p>
<p><b>Chair-Elect:</b> Jingbo (Louise) Liu Texas A&amp;M University-Kingsville Dept. of Chemistry, jingbo.liu@chem.tamu.edu</p>	<p>Lisa Houston (2017-2019) PAC, LP lisa.houston@pacpl.com</p>	<p><b>Newsletter Editor:</b> Aalo Gupta (Appointed) Phillips 66 Aalo.K.Gupta@p66.com</p>
<p><b>Secretary:</b> Sajid Liu (2019-2020) Texas A&amp;M University-Kingsville Br9@hotmail.com</p>	<p>Semih Eser (2019-2021) Pennsylvania State University seser@psu.edu</p>	<p><b>Long-Range Planning:</b> Lisa Houston (Appointed) PAC, LP lisa.houston@pacpl.com</p>
<p><b>Treasurer:</b> Jinxia (Jin) Fu (2018-2019) Assistant Researcher Hawaii Natural Energy Institute University of Hawaii at Manoa treasurerenfl@gmail.com</p>	<p><b>Alternate Councilors:</b> Umit S. Ozkan (2018-2020) Ohio State University, Chemical Eng. Dept. ozkan.1@osu.edu</p>	<p><b>Public Policy:</b> Paul R Robinson (Appointed) pr.robinson@yahoo.com</p>
<p><b>Directors At Large:</b> Alan Chaffee, PhD, FRACI, FAIE, FRSC (2019-2021), Professor, Sch. of Chemistry 17 Rainforest Walk, Clayton Campus Monash University, Victoria 3800 Australia alan.chaffee@monash.edu</p>	<p>Kathleen Carrado Gregar (2019-2021) Center for Nanoscale Materials Argonne National Laboratory, kcarrado@anl.gov</p>	<p><b>Program Secretary:</b> Phillip Britt (Appointed) Chemical Sciences Division Oak Ridge National Laboratory brittpf@ornl.gov</p>
<p>Dady Dadyburjor (2018-2020) Professor Emeritus West Virginia University Department of Chemical Engineering dady.dadyburjor@mail.wvu.edu</p>	<p>Randall E. Winans (2019-2021) Argonne National Laboratory rewinans@anl.gov</p>	<p><b>Program Chair, 2019:</b> Hongfei LIN, PhD Assoc. Prof., Voiland Sch. of Chemical Eng. &amp; Bioeng., hongfei.lin@wsu.edu</p>
<p>Yun Hang Hu (2017-2019) Michigan Technological University-Mat Sci &amp; Engineering yunhangh@mtu.edu</p>	<p>Michelle K. Kidder Oak Ridge National Laboratory kidderm@ornl.gov</p>	<p><b>Program Chair, 2020:</b> Asanga Padmaperuma Pacific Northwest National Laboratory asanga.padmaperuma@pnl.gov</p>

For a complete list of ENFL Officers, please visit the [ENFL Governance Section](#) of the [ENFL Website](#).