



ENFL

Business Meeting

Fall 2021





Who We Are

Mission: To promote and advance energy-related research, development and education to address the world's energy and chemical challenges.

Membership: 2117 (at Jul 21)

Activities: National Meeting Programs
Networking
Monthly Invited Talks (MITs)
Monthly Student Seminars
Awards
Sponsorships

Web & Comms: <https://enfl.aps.anl.gov/>
https://twitter.com/ACS_ENFL
<https://www.linkedin.com/groups/3331013/>
<https://www.youtube.com/watch?v=F4MpS8yY9nM&sns=tw>
<https://www.facebook.com/groups/128851977160865/>

The Energy and Fuels, American Chemical Society Current Officers and Area Representatives (2021)



Current Chair
Alan Chaffee



Immediate Past Chair
J. Louise Liu



Dir-at-Large
David Heldebrand



2021 Program Co-Chairs
Yuyan Shao



Jun Lu



2022 Program Co-Chairs
Anne Co



Wei Wang



Feng Jiao



Yingwen Cheng



Membership
Dr. R. Koodali



Public Policy:
Dr. P. Robinson



Director At-large:
Yunlong Zhang



Director At-large:
Dr. M. Kidder



Councilor:
Dr. R. Winans



Councilor:
Dr. E. Fox



Councilor:
Dr. S. Eser



Alt. Councilor:
Dr. M. Reynolds



Alt. Councilor:
Dr. K. C. Gregar



Alt Councilor
Dr. D. Dadyburjor



Trustee:
Dr. M. Serio



Trustee:
Dr. M. Wójtowicz



Trustee:
Dr. E. Suuberg



Program Secretary:
Ay-Hyung Park



Program Committee:
Dr. A. Padmaperuma



Dr. Stanislaus Wong



Dr. Umit Ozkhan



Dr. Andre Boehman



Dr. M. Hilfiger



Area representative:
Dr. J. Garcia-Martinez,
Europe



Area V
Dr. G. Gadikota



Area VI
Dr. C. Ovaless



Area IV
Dr. L. Zhang



Middle East
Dr. M. Shibl Abdunabi



China
Dr. L. Mai



Mexico S&C America
Dr. T. Pandiyani



Division Chairs



Councilors



Director at large



Award Committee



Division Secretary



Award Committee



Program Chairs



Communication



Division Treasurer



Trustee



Programming



Area Representatives



Treasurer
Jinxia Fu



Secretary
Sajid Bashir Liu



Award Chair:
Chunshan Song



Comm& Tech
Yunlong Zhang



Planning
Lisa Houston

Programming: Atlanta, Fall 2021

ENFL Symposia	
Chemistry of Materials: Honoring Yury Gogotsi	Innovative Chemistry and Materials for Electrochemical Energy Storage
Materials Design for Energy Storage and Conversion	Materials for Energy & Environmental Sustainability
Sustainable Subsurface Energy Science	MPPG Advancements of Energy and Fuels: Design, Application and Challenges
Advanced materials and their diversified applications (40 th Anniversary of CACS)	Natural Gas Catalysis
Electrochemistry-enabled Catalysis for Energy, Chemicals & Material	Organic, Perovskite and Hybrid Solar Cells
Emerging Materials for resource-efficient production of Energy and Fuel	Resilience in Electrochemical Energy Storage
Theory and Computation for Materials and Processes in Energy Applications	Gas & Fluids Separation, Utilization and Storage
Fuel Characterization by Multidimensional Gas Chromatography	Natural Gas Catalysis
Improving Resilience through Lower Carbon Transportation Fuels	Women in Energy Science & Technology
Valorization of Petroleum Molecules into High-Value Carbon Materials	

19 symposia: 477 papers; 57 posters



Programming: San Diego, Spring 2022

ENFL Symposia	
Advances in Energy and Fuels	Materials for Energy and Environmental Sustainability
ACS ENFL Distinguished Researcher Award Symp: Prof. Liang-Shih Fan	Organic, Perovskite and Hybrid Solar Cells
ACS Henry H. Storch Award in Energy Chemistry	Photocatalysis and Photoelectrocatalysis: from Synthesis, Characterization, and Theoretical Studies of Advanced Materials to Clean Energy Applications
Research Excellence Award in Electrochemical Energy Storage (EES Award)	CO ₂ electrolysis – fundamental and applied research
Sustainable Energy Technologies: Bonding Concept with Commercialization	Energy Storage in Chemical Bonds – From Theory to Practice
Energy-efficient Chemical Separations through 21st Century Scientific Capabilities	Electrochemistry-Enabled Catalysis for Energy, Chemicals and Materials
Hydrocracking and Hydrotreating Processes and Catalysts for Upgrading Renewable Oils, Residual Oils, Lube Base Stocks, and Olefin Plant Feedstocks	Porous materials used for clean energy and fuel storage and conversion
Catalytic solvolysis of lignocellulose and its derivative	Electrolytes and Interfaces in Energy Storage
Catalysts for Emission Control	Materials and Mechanisms in Electrochemical Energy Storage
Novel integration of sustainable chemistries and renewable energy in oilfield and alternative fuel technologies	

Submission Deadline: Oct 11, 2021

<https://www.acs.org/content/acs/en/meetings/acs-meetings/abstract-submission.html>



Awards:

Annual Awards:

ACS HH Storch Award in Energy Chemistry

ENFL Distinguished Research Award

ENFL Distinguished Service Award

ENFL Emerging Researcher Award

ENFL Research Excellence Award in Electrochemical Energy Storage **NEW (2021)**

ENFL Mid-Career Award – **NEW (2022)**

ENFL Postdoctoral Researcher Awards – **PENDING (2022)**

Meeting based awards:

RA Glenn Award for Best Paper in ENFL Symposia

Student Presentation Award Competition (SPAC)



Awards:

Annual Awards (2021):

ACS HH Storch Award in Energy Chemistry – Dr Harry W Deckman, Exxon-Mobil

ENFL Distinguished Research Award – Prof Liang-Shih Fan, Ohio State Uni

ENFL Distinguished Service Award – **Dr Joe Allison**, Phillips66; **Dr Kristi Fjare**, Phillips66

ENFL Emerging Researcher Award - **Dr Wei Wang**, Pacific NW Nat Lab

ENFL Research Excellence Award in Electrochemical Energy Storage - **Dr Jun Lu**, Argonne Nat Lab

ENFL Mid-Career Award – **NEW (commencing 2022)**

ENFL Postdoctoral Researcher Awards – **PENDING (commencing 2022)**

Meeting based awards:

RA Glenn Award for Best Paper in ENFL Symposia – **Dr Dan Gaspar**, Pacific NW Nat Lab (Spring)

“Screening and identification of diesel bio-blendstocks to improve performance and reduce emissions”

Student Presentation Award Competition (SPAC) – next slide

Other Distinctions:

ACS Fellows: **Javier Garcia-Martinez**, Uni Alicanté; **Stanislaus Wong**, Stony Brook

ACS Award for Chemistry of Materials: **Yury Gogotsi**, Drexel Uni





Student Presentation Award Competition

Fall 2021

First Prize: Erwei Huang, Stonybrook
Kunyu Wang, Texas A&M

Second Prize: Shubo Fei, Uni Tokyo

Third Prize: Anuj S Joshi, Ohio State Uni





Officer Elections

Nominations to date

Chair –Elect (2022): Stanislaus Wong
Jun Lu

Treasurer (2022-2023): Jinxia Fu

Councillor (2022-2024): Louise Liu
Dady Dadyburjor

Alt. Councillor (2022-2024): Alissa Park
Umit Ozkan

Dir-at-Large (2022-2024)*: Michelle Kidder
Michael Reynolds



Monthly Invited Talks

Date & Speaker	Title
Jan 2021 Dr Michael Janik, Penn State Uni	Development of electrocatalytic materials guided by computational chemistry: fuel cells & electrolysis
Feb 2021 Dr Chang Geun Yoo, SUNY Syracuse	Sustainable & renewable deep eutectic solvents for biomass utilisation
Mar 2021 Dr Ripudaman Malhotra, SRI Int	Challenge of meeting global energy needs while averting the catastrophic effects of climate change
May 2021 Dr Wei Wang, PNNL	Development of advanced aqueous organic redox flow batteries
June 2021 Dr Chunshan Song, Univ Hong Kong	CO ₂ capture and conversion to carbon-neutral chemicals and fuels
July 2021 Dr Yunlong Zhang, Exxon-Mobil	Applications of non contact-AFM in petroleum characterization
Sept 2021	Panel Discussion: Women's leadership in energy and fuels
Oct 2021	Panel Discussion: Promises and challenges of energy and fuels
Nov 2021 Dr Amy Marschilok, Stonybrook	Electrochemically stored energy
Dec 2021 Andre Boehman	TBA

Past talks available on youtube:

<https://www.youtube.com/channel/UCLM99WXyxYwoDwwceLI09qA>



Monthly Student Seminars

2nd Friday of the Month
7:00 - 8:30 pm, ET

Commencing Sept 10

Zoom link:

https://www.google.com/url?q=https%3A%2F%2Fus06web.zoom.us%2Fw%2F98609460061%3Ftk%3DJlobQVeLHswvvrWKN5IU8wgE9Laba18LHnV6iC_EgkQ.DQIAAAAW9ZTzXRYtVzJtYWtfVFJvcU5GUjY4dFhiam9RAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA%26pwd%3DMnlwQUZzanFzTzJvV1RNZFZ1RG9Xdz09&sa=D&ust=1628117408334000&usg=AOvVaw0UX0xNCwcvisiauSzXunOn



**Questions
Comments
Networking**

