



Letter from the Chair:

Dear members & friends,



In the first two months of the year, we were able to showcase two successful workshops/dinners. We thank our distinguished presenters: **Tom Rehm, Faisal Khan, Kristine Klavers & Hady Abdulhady** for graciously and masterfully delivering them. Our [website](#) and [YouTube channel](#) contain slides and recordings from the January and February meetings.

The next three months have an equally exciting agenda. We wish to synergise with the local professional & scientific events. We will do this at both the March & May dinner events. More details are listed in this newsletter:

- March 16th will bring us the [TIEEP Energy Forum](#) that is organized by the University of Houston. The STS dinner falls in the same week as the [Spring AIChE Meeting](#), allowing visitors from out of state to network with us. The **AIChE Leadership** is expected to join us, including the **AIChE President Dr. Billy Bardin** who will deliver the dinner presentation. We will also award **ten scholarships** to local University Chemical Engineering students, with **two more** scholarships to be awarded in May. We want to thank the corporate sponsors of the dinner meeting (see below).
- May 4th will bring us the [TIEEP Water Forum](#) organized by the University of Houston. The dinner falls in the same week as the [Offshore Technology Conference](#), providing another opportunity for networking. The South Texas Section provides several volunteers to the OTC. We also co-host a [hiring event](#) with [SPE Gulf Coast Section](#) on May 4th at OTC.
- In April, we will not hold a dinner event, in order to focus on the above events.

The week of February 20th was [Houston Engineers Week](#). We were pleased to see our own **Ram Kamisetty** being awarded the **Young Engineer of 2023** at a Banquet on February 20th. Congratulations to Ram! His Leadership with the STS Young Professionals Group is bearing fruits.

Our sincere interest to cater to students & young Professionals is manifested in our 2023 goals. As part of **Goal 3: Networking & Outreach**, we are planning participation at the 2023 [Southwest Student Conference](#) in College Station on March 31st to April 1st. Details are still in development. As part of a visit there, we will host a dinner gathering with local South Texas Section members on March 31 at 7:00-9:00 PM. All AIChE members are welcome to join us. STS members in the College Station vicinity are encouraged to get involved or join our dinner by contacting STS Chair-Elect, [Bill Shaw](#). All these activities are possible due to our tireless volunteers. Thank you!

Finally, I would like to express gratitude for the long & impactful **80+ year history of STS**. We have a lot to learn from our past. A written draft history of STS is in preparation. We wish to share it with you when ready. We welcome stories & contributions to it. Please write me a note if you have one. See excerpt below on *The History of AIChE STS*.

The History of AIChE STS:

A new South Texas Section custom was started in 1945. It was the one-day **Annual Technical Meeting** (ATM) held in Galveston on May 25, 1945. The ATM's were to continue into the 1970's until the Section became host to the **AIChE National Meeting and PetroExpo** every two years in Houston. The first ATM was a huge success, with 170 members and guests attending from Baton Rouge to Corpus Christi.

Best Regards,

Andreas Matzakos, Ph.D.

2023 STS AIChE Chair

E: sts-chair@aiiche.org)

www.linkedin.com/in/matzakos

March 2023 Dinner meeting:

Thursday, March 16, 2023, 4-9pm CT

Event format: In-Person / Online

Location: [Silver Sycamore Event Venue](#), 5111 Pine Avenue, Pasadena, TX 77503

Please join the South Texas Section for our monthly dinner meeting. We will co-host (with Texas Industrial Energy Efficiency Program) the 2023 workshop [Spring Energy Forum](#). The dinner keynote will be delivered by [Dr. Billy B Bardin](#), 2023 AIChE National President.

- **4:00PM - 6:00PM:** Spring Energy Forum
- **6:00PM - 6:45PM:** Social/Networking Time
- **6:45PM - 7:15PM:** Dinner
- **7:15PM - 8:00PM** Announcements & Awards
- **8:00PM - 9:00PM** Keynote Presentation by Dr. Billy B Bardin (2023 AIChE National President) on *State of AIChE and Vision for the Future*

Keynote Presentation

State of AIChE and Vision for the Future (1 PDH)



[Dr. Billy B. Bardin](#), PE is the 2023 AIChE National President and the Global Digitalization Director at Dow. He joined Union Carbide/Dow in 2000 and has held global leadership roles in research, development, and manufacturing. He developed and commercialized technologies including catalytic processes for feedstocks/derivatives, processes for olefins production, and digital manufacturing. [Dr. Bardin](#) created new approaches for promoting technical excellence and fostering career development.

[Dr. Bardin](#) served on AIChE's Board of Directors (2017–2019) and chaired the Audit Committee. He also served on the Career and Education Operating Council (CEOC) and the managing

board of the Center for Chemical Process Safety (CCPS). He is a Trustee of the AIChE Foundation, a leader of the Catalysis and Reaction Engineering Div., and a member of the South Texas and Eastern North Carolina sections. He is a leader in the Licensing and Professional Development Committee and the Disabilities Outreach and Inclusion Community. [Dr. Bardin](#) was the founding Chair of AIChE's RAPID Manufacturing Institute. He is a Fellow and Life Member of AIChE.

[Dr. Bardin](#) holds a BS ChE from North Carolina State Univ. (NCSU) and MS/PhD ChE from the Univ. of Virginia (UVA). He is a Professional Engineer in West Virginia as well as a leader on academic and industrial boards at Purdue Univ., NCSU, UVA, the MxD manufacturing institute and the Journal of Advanced Manufacturing & Processing. He has been recognized numerous times, most recently as a Visionary Leader by the National Association of Manufacturers.

Pre-Dinner Spring Energy Forum

Energy Efficiency and Decarbonization for the Process Industries (2 PDHs)

Abstract

Decarbonization has become an imperative for the process industries, and energy efficiency has long been recognized an essential strategy to help achieve decarbonization. Unlike other approaches, energy efficiency inherently reduces operating costs while it decreases emissions, so it offers a positive return on investment even without factoring in environmental benefits. The presentations in our Spring Energy Forum address a new DOE initiative to support energy efficiency and decarbonization in energy intensive industries, particularly in industrial systems such as steam and process heating; decarbonization through electrification; and use of hydrogen in gas turbines as another means of decarbonizing industrial processes.

Presentation 1: Technical Assistance for Energy Intensive Manufacturers

Speakers:



Robert Bruce Lung





[Senthil Kumar](#)

Senior Technical Advisor, BGS, Inc.	Technical Account Manager, US DOE's Better Plants Program
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Presentation 2: Decarbonizing Energies & Chemical Plants with Electrification & Digitization

Speakers:

 <p>Yasmine McCol</p> <p>Global Business Development Leader for the Chemicals Segment, Schneider Electric</p>	 <p>Shebin Jalal</p> <p>Chief Solution Architect and Global Process Electrification Leader - Energies and Chemicals Schneider Electric</p>
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Presentation 3: Hydrogen power with gas turbines

Speakers:

 <p>Jorge Lopez</p> <p>Power Systems Development Manager, Siemens Energy</p>	 <p>Ricky Dharani</p> <p>Business Development Director Siemens Energy</p>
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Registration

Please register using the following links for [Spring Energy Forum](#) and AICHE Dinner:

Spring Energy Forum Registration (free to attend)

- In Person Registration - [CLICK HERE!](#)
- Online (via Zoom) - [CLICK HERE!](#)

AICHE Dinner Registration

- In Person Registration - [CLICK HERE!](#)
- Online (via Microsoft Teams) - [CLICK HERE!](#)

Full event information- <https://www.iche.org/community/sites/local-sections/sts/events/sts-iche-tieep-march-16th-2023-spring-energy-forum>

Sponsors:

Gold



Silver



Announcements:

Greater Houston Science Fair, February 11th

- STS-AIChE participated as a Special Awarding Agency in the Greater Houston Science Fair.
- Big thank you to the STS judges: *Matt Kolodney, Erin Green, Carol Schmidt, Pete Garside, Carlos Salamanca, John Middleton, Satiyajit Verma, Hugh Kaiser, Mark Harkness, Ram Kamisetty and Romel Valencia.*
- Special award winners for this year will be announced shortly as soon as the names are released by SEFH.

Texas Science & Engineering Fair (TXSEF) Volunteer Judge March 25th, 2023

- [TXSEF](#) has more than 21 project categories from life to physical sciences on March 25th 2023 at Texas A&M University.
- People must register to volunteer as a judge before 11:59 p.m. CT on March 10th 2023 at this link <https://txsef.tamu.edu/judges/>

STS - AIChE Awards: Time for 2022 Nominations by May 1st, 2023

Nominations are being accepted through May 1st, 2023 for the following STS-AIChE Annual Awards:

- 2022 STS Best Applied Paper Award
- 2022 STS Best Fundamental Paper Award
- 2022 STS Best In-Practice Paper Award
- 2022 STS Outstanding Young Professional Award (Under 40)
- 2022 STS Distinguished Service Award (Over 36)
- 2022 STS Special Service Award(s)

Nomination Forms are available on the STS – AIChE website:

<https://www.aiche.org/community/sites/local-sections/sts/files/2022-annual-awards-nomination-form> or by contacting:

- Matt Christiansen 281-544-6476 Matthew.Christiansen@shell.com
- Tom Menn 281-485-3719 ThomasMenn@SBCGlobal.net
- Harsh Agarwal 734-773-5852 Harsh.H.Agarwal@Shell.com
- Ryan Stephens 281-544-8447 Ryan.Stephens@Shell.com

STS AIChE Volunteers: 2023 Offshore Technology Conference (OTC) May 1-4th

- May 1-4th 2023 at NRG Park, Houston, Texas
- Receive Free Pass*, Parking*, and all the free goodies/junk you can carry away! (* entire OTC). Note: You may attend Technical Sessions.

- Must register to volunteer before 11:59 p.m. CT on 14th April 2023
- Must attend Orientation Meeting either April 28 or 29th (mandatory) & serve 4 hours in either arrangements, registration, or special assignment by OTC Staff.
- Contact Tom Menn at thomasmenn@sbcglobal.net

SPE Energy Professionals Hiring Event at 2023 OTC May 4th

- May 4th 2023 at NRG Park, Houston, Texas.
- STS professional members are entitled to participate as job seekers or work as volunteers. This is part of our long-standing collaboration with the [Society of Petroleum Engineers, Gulf Coast Section](#).
- For more information about the event, location, time, registration, and participants, visit our website: <https://www.spegcs.org/hiring-event>

Water Forum 2023 May 4th

- [San Jacinto College CPET](#) on Thursday, May 4th 2023.
- Water Forum will run from 4:00-6:00 pm and followed immediately by a social hour for networking. The STS-AIChE monthly dinner & technical meeting will follow at 7:00 pm.
- For sponsorship and more details, please contact Alan Rossiter, at aprossit@central.uh.edu or 713-823-3980.

AIChE Southwest Student Conference March 31st – April 1st

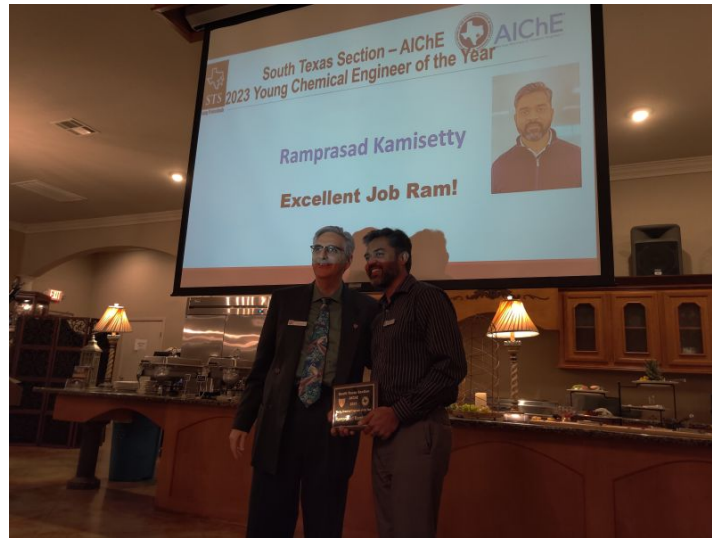
- Come join us at the [2023 Southwest Regional Conference](#) hosted by Texas A&M University! Expand your network by connecting with industry professionals and other ChemE peers in your region. Participate in team competitions such as Jeopardy and ChemE-Car, and show off your research in the Technical Paper and Poster competitions. Register [here](#) today!
- For sponsorship and more details, please contact 2022-2023 Regional Conference Chair, Jennifer Ha, at jha12443@tamu.edu or (817) 419-9435.

LinkedIn Page for AIChE STS

Follow our [LinkedIn page](#) for updates and RSVP for the [monthly meeting event](#) created on our LinkedIn page. Don't forget to tag the page (type "@South Texas" and select South Texas Section of AIChE) in your personal posts related to AIChE STS section.

Congratulations:

Ramprasad Kamisetty receives 2022 STS-AIChE Young Professionals Chair Appreciation and 2023 Young Engineer Award



Andreas Matzakos (L) and Ramprasad Kamisetty (R)

Prof. Jeffrey D. Rimer receives 2022 Southwest Process Technology Conference Best Presentation Award – “Discovering New Paradigms in the Design and Preparation of Zeolite Catalysts”

