



SPEE

SOCIETY OF PETROLEUM EVALUATION ENGINEERS

Newsletter

November 2022

President's Letter

Greetings from the President of the Society of Petroleum Evaluation Engineers. I want to thank you all for the opportunity to serve as President this year. SPEE is the successful organization that it is because of all of you who volunteer to support the Society. Thank you to all of the committee members and Chapter Officers who devote their talents to SPEE. As my term comes to an end in the next few months, I look forward to contributing to the growth and success of SPEE. We have weathered some unusual challenges over the past couple of years and SPEE has emerged from that period in a great position.

I would like to thank our outgoing Directors for their service over the past three years. **Brenda Brown, Fred Legrand** and **Shane Hattingh** have all devoted their efforts to improve SPEE. Fred also serves as the Chair the Membership Committee and has advanced our efforts to raise our visibility through new approaches. In addition to her service on the Board, Brenda is an active member of the Internet Committee and has worked diligently on our website redesign. Shane serves on the Reserves Definitions Committee in addition to his Board duties.

The election for the three new Directors is underway and active on the SPEE website. I invite you to participate in this very important privilege and vote if you have not done so. Thank you to **Lucas Smith, David Fulford, Steven Golko, Larry Petropoulos, Federico Dordoni** and **Mike Verney** for their interest in running for the Board. I am looking forward to the contributions of those elected. The poll closes on November 10th, and results will be announced shortly after. The three-year term of the new Directors will begin in January 2023.

As 2022 ends, our current Past President **Charles Boyette** will leave the Executive Committee. Charles

has provided valuable guidance and support during his tenure on the Executive Committee and his efforts are greatly appreciated. It has been my pleasure to serve with Charles for the past six years and his service has been a great benefit to SPEE.

Dean Sergent is hard at work on the 2023 Annual Meeting in Newport, Rhode Island. He and Andrea have already made their site visit and are excited about the opportunities in Newport. We hope you can join us in Rhode Island next summer.

Our Technical Training courses resumed this August with two virtual courses. Thank you to **Zack Warren** who is Chair of the Committee and **Dr. John Lee** who served as instructor for the successful courses.

I would like to thank Debbie Suter for her help and dedication over the years. Andrea Bracho, who is now serving in Debbie's prior role, has been doing a remarkable job. SPEE is fortunate to have Andrea and I hope all of you get a chance to meet her.

It has been an honor and a privilege to serve as your SPEE President for 2022. Thank you again to the Executive Committee and Board of Directors for their service and dedication during some unprecedented times. I am particularly pleased that we were able to successfully return to our in-person Annual Meeting this year in Napa. I look forward to seeing everyone in Newport next year and wish you all Happy Holidays!



Joe Young
2022 SPEE President

2022 Officers and Directors

Executive Committee

President Joe Young (Dallas)
Vice President Attila Szabo (Calgary)
Secretary-Treasurer Dean Sergent (Oklahoma)
Past-President Charles Boyette (Dallas)

Directors

Gregg Birrell (Europe)	Shane Hattingh (Europe)
Brenda Brown (Dallas)	Martin Hubbig (Europe)
Antony Corrie-Keilig (Asia-Pacific)	Fred LeGrand (Denver)
Tad Fielder (Dallas)	Zack Warren (Denver)
Steve Gardner (Denver)	

Bylaws Committees

Chair of Past Presidents Council Jennifer Fitzgerald
Qualifications Mark Reeves
Committee: Steve Blair, Danilo Bandiziol, Claudio Virues and Tad Fielder
Nominating Charles Boyette
Grievance David Gold
Committee: Dan Olds
Reserves Definitions Rawdon Seager
Committee: Shane Hattingh, Tim Smith, Jorge Faz, Rod Sidle and John Lee

Individual Appointments

Ethics Robert Green
Evaluation Parameters Survey Steve Hendrickson
Fair Market Value Dee Patterson
Internet Steve Gardner
Membership Fred LeGrand
Newsletter Coordinator Floyd Siegle
University Interface Marshall Watson
Historian Melissa Nance
Communications Karthik Revana
Recommended Evaluation Practices Dan Olds
Annual Meeting Advance Planning Tim Smith
Professional Registration Anna Hardesty
Monograph 5-Type Well Profiles Jennifer Fitzgerald
Technical Training Zack Warren
SPE OGRC Observers Stefan Krystosik/Rawdon Seager
COGEH (Canadian Oil and Gas Evaluation Handbook) Mike Verney
UNECE Expert Group on Resource Classification Danilo Bandiziol
CSRS (SRMS) Rawdon Seager/Robert Green

Chapter Officers - 2022

Asia Pacific

Chairman – Peter Stephenson
Vice Chairman – Nick Pink
Secretary – Hongfeng Wu

Calgary

Chairman – Tim Freeborn
Vice Chairman – Steve Golko
Secretary – Claudio Virues
Treasurer – Colin Edie
Membership – Jason Pacholko

California

Chairman - Brad DeWitt
Vice Chairman – Rick Finken
Secretary-Treasurer - Tom Walker
Membership -

Central Texas

Chairman –
Vice Chairman –
Secretary – Charles Price
Treasurer –
Membership –

Dallas

Chairman - Colter Kazmann
Vice Chairman – Michael Zuber
Secretary - Travis Guenther
Treasurer - Stefan Krystosik
Membership – Jordan Lanig

Denver

Chairman – Emily Miller
Vice Chairman - John Seidle
Secretary-Treasurer – Nicole Ford
Membership - Rhonda Gathers

Europe

Chairman – Jes Christensen
Vice Chairman - Tom Gunningham
Secretary-Treasurer – Gregg Birrell
Membership-Program – Victor Alcobia

Houston

Chairman – Jay Quinn
Vice Chairman – Deji Adeyeye
Secretary-Treasurer – Marylena Garcia
Program Chairman – David Fulford
Membership – Deji Adeyeye

Latin America

Chairman – German Moss
Vice Chairman – Rafael Cavero
Secretary-Treasurer – Oscar Valbuena
Membership – Ernesto Duran

Midland

Chairman – Gail Hankinson
Vice Chairman –
Secretary-Treasurer –
Membership – Robert Green

Northern Rockies

Chairman – Rick Vine
Vice Chairman – Bonnie Percy
Secretary-Treasurer – Tom Hohn
Membership – Andrew Finley
Program Chairman – Bonnie Percy

Oklahoma

Chairman – James Sauseda
Vice Chairman - Aaron Anderson
Secretary-Treasurer - Steve Blair
Membership - Don Jacks
Program Chairman – Aaron Anderson



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The SPEE Newsletter is a quarterly publication of the Society of Petroleum Evaluation Engineers. News items, correspondence, address changes and advertising inquiries should be directed to SPEE headquarters in Houston, Texas.

Chapter News

Asia Pacific

The Asia Pacific Chapter holds quarterly technical meetings both online and in person. A technical meeting was held on July 22nd with two presentations. The first presentation by Nick Pink discussed the observation that detailed evaluation of resources using experimental design appears to reduce resource uncertainty ranges compared to less complex initial analysis. Does dividing the reservoir into sub-units and sub-areas increase accuracy or artificially reduce estimated resource ranges? Are dependencies correctly captured? Bill Billingsley then gave a second presentation on Ethics, discussing biases, influences and pressure on resource auditors. He posed the question: "is it ever permissible to lie?" which he supported with examples and opinions of philosophers.

Membership - 18

Calgary

The Calgary Chapter of SPEE returned from its usual summer hiatus with a Chapter business meeting on October 18th. Other than regular Chapter matters, future COGEH updates continues to be a topic of discussion. During the summer, the COGEH steering committee discussed items such as the addition of carbon tax best practices, additional clarification on non-hydrocarbon evaluations, as well as guidance on carbon emission and carbon sequestration evaluations. Currently no updates of COGEH are being planned for year-end 2022. The pending change in British Columbia royalties was also discussed at the October business meeting.

Technical luncheons are tentatively set to resume on November 15.

Meetings - 3rd Tuesday of each month except June, July and August.
Membership - 56

California

California Chapter members continue to attend meetings of other Chapters virtually. The Chapter is challenged by a small membership number across a large geographic area.

Membership - 7

Central Texas

Membership - 23

Dallas

The Dallas Chapter held its first meeting of the fall on September 22nd. The topic was The Role of CO2 EOR and Storage in Energy Transition, which was presented by Kate Ryan and Randy Robichaux. Registered attendance was 30 people. The Chapter is striving to get quality speakers to increase meeting attendance.

The next meeting will be held on December 14th. C. Susan Howes, PE, PHR, Vice President Engineering at Subsurface Consultants & Associates, LLC, in Houston will present *Toolkit for Making Better Decisions when Faced with Ethical Dilemmas*.

Meetings - Semi-monthly except June, July and August.
Membership - 79

Denver

The Denver Chapter held several events in September and October. In September, the Denver Chapter offered a short course and held its annual Soiree. Dr. John Wright, Principal, Wright Consulting, presented the short course, *SPEE Recommended Evaluation Practices Training*. The half-day course was held in person to 20 participants in the Ovintiv training space on the 40th floor of the Republic Plaza Building. Following the short course, the Denver Chapter held its annual Soiree. It was a fun networking event attended by 25 people.



Denver continued on page 4

The Denver SPEE held its October Chapter meeting virtually. Richard Hares, MSc, P.Eng., Principal, Carbon Management for Sproule, presented, *The Application of Storage Resource Management Systems (SRMS) Guidelines*. There were approximately 43 members/guests attending virtually.

German Moss (Chairman)
 Rafael Cavero (Vice-Chairman)
 Oscar Valbuena (Secretary-Treasurer)
 Ernesto Duran (Membership Chairman)

Meetings – 3rd Thursday of each month
Membership – 15

Midland

The Midland Chapter held a fall happy hour at Mac's Bar-B-Q on September 15th. A total of 14 people, including 8 non-members, attended the Chapter's September 21st meeting at the Petroleum Club of Midland. Robert Green presented his ethics talk from the Annual Meeting on *Is it Ethical, Moral and Legal?* We extend special recognition to West Texas National Bank who sponsored the luncheon. The Midland Chapter now has Facebook, LinkedIn and Instagram accounts where we also post our meetings and activities. The fall happy hour, the sponsorship of the luncheon and the social media accounts were all efforts to increase attendance.

Meetings – 2nd Wednesday odd months at 11:30 a.m. – Midland Petroleum Club.
Membership - 21

Northern Rockies

Membership – 7

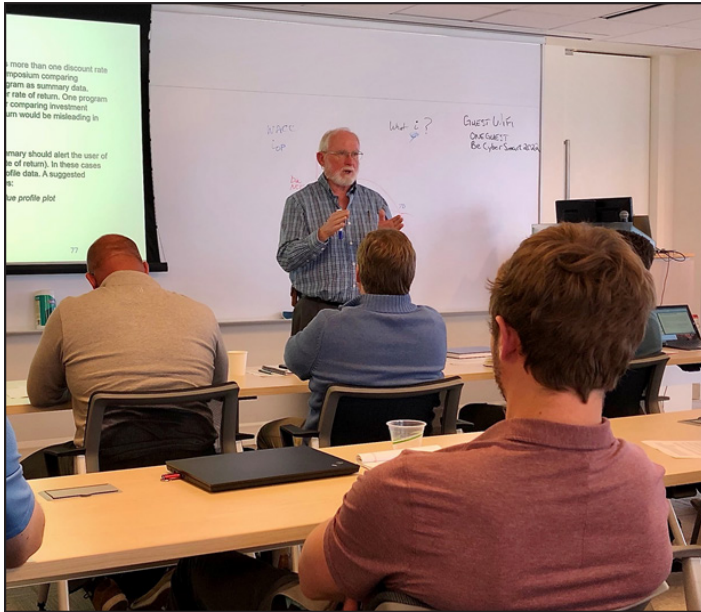
Oklahoma

The Oklahoma Chapter held its first meeting of the fall on September 28th. This was the Chapter's first in-person meeting since Covid. It was a huge success. Dwayne Purvis presented on the topic *Next Boom is Counterstream*. Exploration in the U.S., in both millidarcy and shale fields, is well past its peak. While there remains acreage to be drilled in the shale plays and there is a need for more natural gas, the biggest opportunity for growth is the new industry of carbon capture and storage. This presentation introduced the basic science and business of CCS. The meeting was attended by 9 members and 18 non-members.

We did not offer Zoom for this first meeting back, but in the future will look into charging \$10 to 15 less than the cost to attend in person.

At the next Oklahoma Chapter meeting on November 8th, Chad Jongeling, Reservoir Engineer at Chesapeake Energy, will be speaking on *Interference Testing using the Chow Pressure Group*. This presentation focuses on Chesapeake's application of this methodology in the Haynesville Shale to better discern flow unit height, evaluate the change in stimulated reservoir volume (SRV) over time, and gain insights on optimal completion design and well spacing.

Meetings – Second Tuesday of the month excluding summer.
Membership - 35



Meetings - 2nd Wednesday of January, April, July, October, Dec
Membership – 88

Europe

Meetings - Four per year.
Membership - 43

Houston

The first meeting of the fall in September had 35 attendees for a presentation by Rawdon Seager. Rawdon spoke about the current implementation of the Storage Reserves Management System (SRMS) for quantifying carbon storage, with both similarities and differences to PRMS.

In October, the Chapter had 23 attendees at the meeting for the annual ethics course. This course was presented by Jorge Faz and covered ethical dilemmas inside and outside the workplace. A number of reserves-based examples were discussed.

Meetings – 1st Wednesday of each month except June, July and August – Houston Petroleum Club.
Membership – 162

Latin America

The Latin America Chapter members continue to attend meetings of other Chapters virtually. New officers were elected at our last meeting which was held on September 1st:

In Memorium

We regret to note the passing of

Billy Mack Arnold

Longview, Texas

June 26, 1953 - May 20, 2022



This is a reminder to cast your vote in the SPEE 2022 Board of Directors election that is in progress on the SPEE website at www.spee.org. In accordance with the SPEE's Bylaws the election will remain open until November 10, 2022.

All members and associate members in good standing are entitled to vote. There are three open positions and two candidates per position. The candidate in each position receiving the most votes will be elected. Each Director will serve for a three-year term beginning in January 2023.

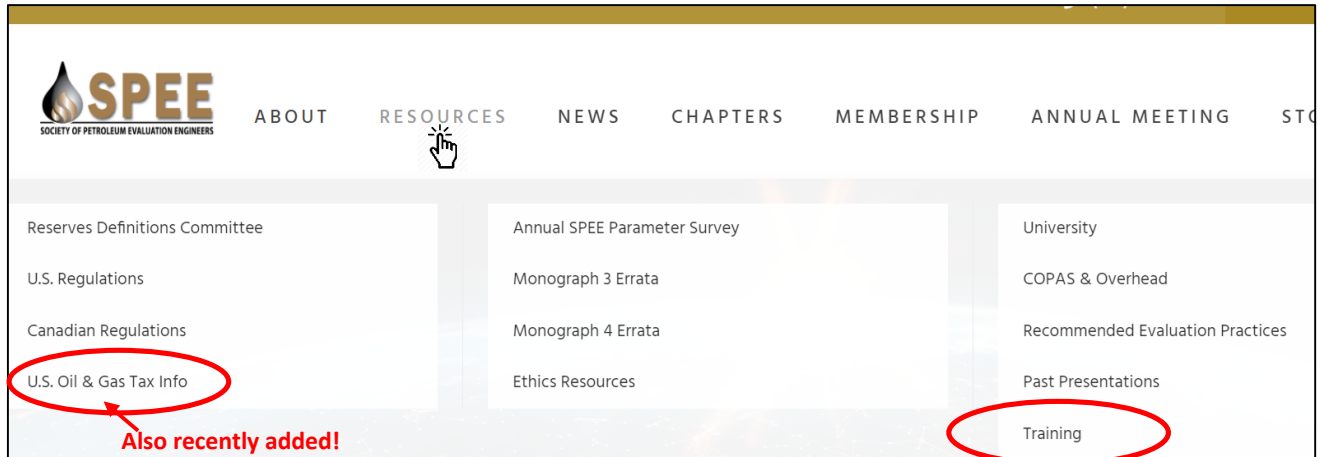
All members are urged to please participate in this election. The six candidates who have put themselves forward for election are eminently qualified and already have an excellent track record of service to SPEE, as local Chapter Officers or on SPEE Committees. They are now offering to commit a further three years' service to the Society. Please consider their qualifications, expertise, and outlook in the context of their wish to serve us, the membership, and to contribute to the further growth and direction of the SPEE. It will only take a few minutes of your time.

If you experience any difficulty in casting a ballot or logging in please send Steve Gardner, Internet Committee Chairman, an email at info@spee.org. As a reminder, please use a browser other than Internet Explorer to enable you to log in and vote.

If you have any questions or concerns regarding the election, please do not hesitate to contact SPEE at info@spee.org.

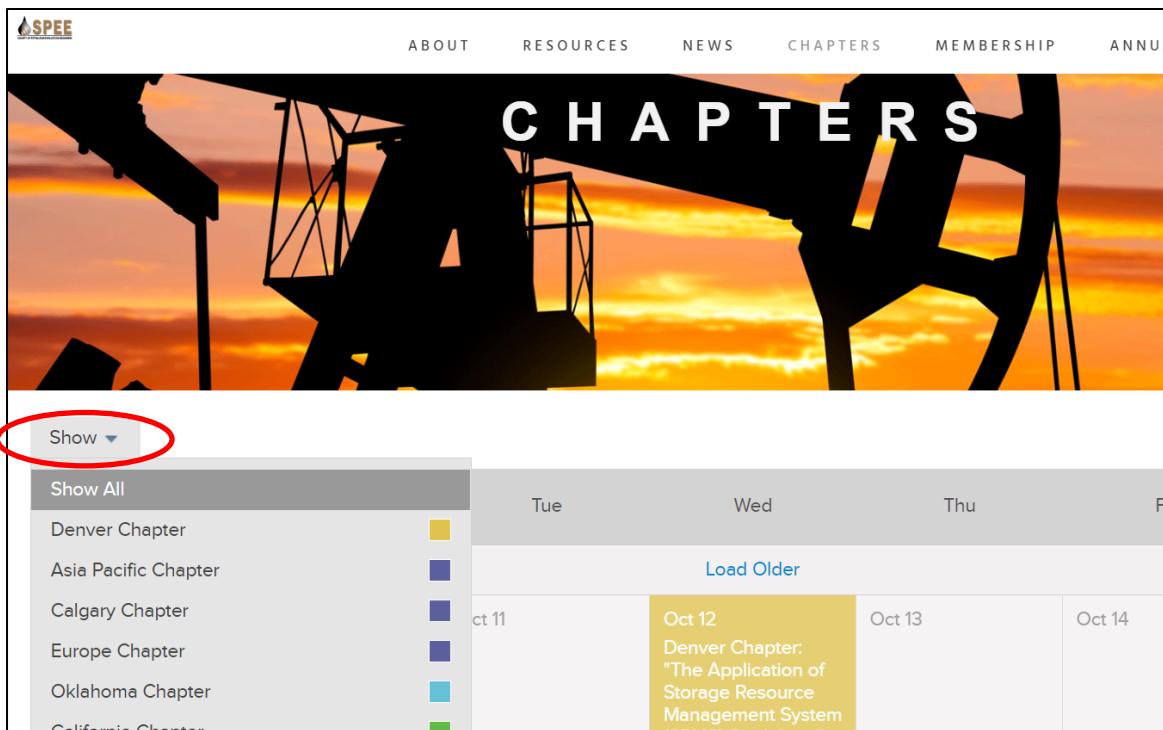
SPEE Website News

Check out our new webpage dedicated to just training! Go to www.spee.org/training, or access it under the Resources menu that is found on the top ribbon of the homepage.



Multiple training options are available, including two upcoming courses taught by Dr. John Lee. In addition, we are in the process of setting up on-demand video training for Recommended Evaluation Practices, presented by Dan Olds and Dr. John Wright, which will be available to SPEE members at no cost. Other courses are in the works; so check back often to make sure you don't miss out on an opportunity. If you have questions about any training opportunity or have suggestions regarding future offerings, please contact training@spee.org.

Don't forget to visit the Event Calendar that is accessed under the Chapters menu on the SPEE homepage. You can filter to a specific chapter, or select Show All to see everything across the Society that is currently scheduled.



Finally, as a general reminder, please contact andrea@spee.org for help setting up a local chapter event. Plus, if you find any bugs or have other feedback, please direct all website-related suggestions and questions to our group email inbox, info@spee.org.

Steve Gardner
Internet Committee Chair



Live Virtual Training classes this spring!

Oil & Gas Reserves: The SEC Reporting Rules

Course Description

This eight-hour virtual course provides substantial detail and interpretation of the US Securities and Exchange Commission's modernized rules for reporting oil and gas reserves.

Topics Include:

- SEC Reserves Definitions
- SEC Reporting Requirements
- SEC Guidance on Reporting
- Current SEC Concerns

When:

March 6-7, 2023, 8am-noon, CT

Why Attend:

This course will help engineers, geoscientists and business managers correctly interpret and apply the SEC's modernized oil and gas reserves reporting rules.

Registration:

Virtual Zoom lectures for up to 30 attendees, [Register here!](#) \$400 per person

Continuing Education Units

8 CEU's are awarded for this course

Production Forecasting in Unconventional Reservoirs: An Update of SPEE Monograph 4

Course Description

This eight-hour virtual course will provide an update of selected topics from SPEE Monograph 4.

Topics Include:

- Multi-segment Arps production decline model
- Well Spacing
 - Interference
 - Parent-child issues
- GOR forecasting for light oil wells

When:

March 8-9, 2023, 8am-noon, CT

Why Attend:

This course will help engineers, geoscientists and business managers understand and apply good practices in production forecasting.

Registration:

Virtual Zoom lectures for up to 30 attendees, [Register here!](#) \$400 per person

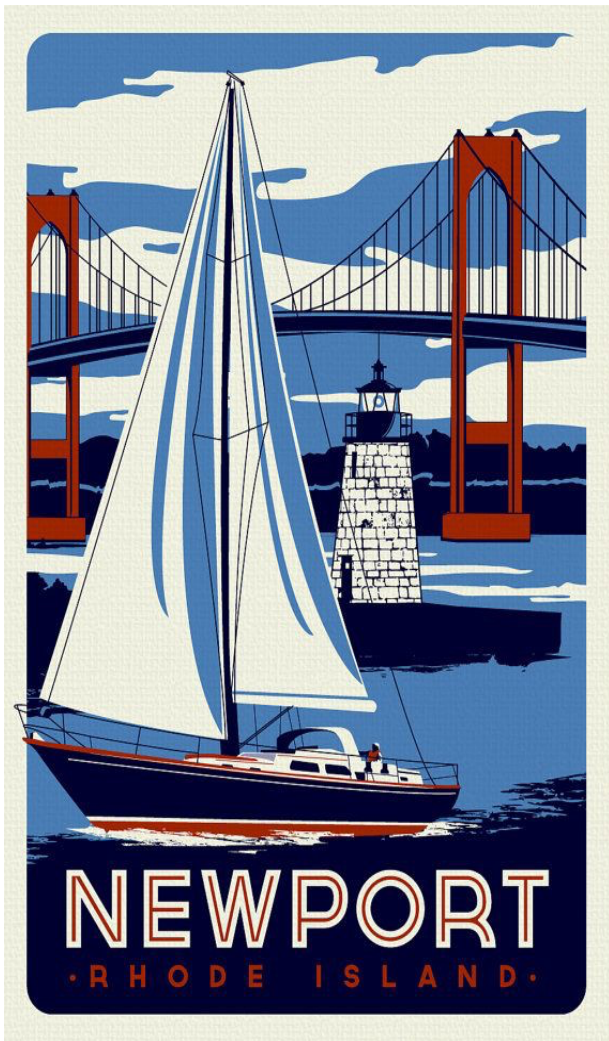
Continuing Education Units

8 CEU's are awarded for this course

Instructor

W. John Lee holds the DVG Endowed Chair in petroleum engineering at Texas A&M University. Prior to this position, he held the Hugh Roy and Lillie Cranz Cullen Distinguished University Chair at the University of Houston's Petroleum Engineering program from 2011 to 2015. Still earlier, Lee was a professor of Petroleum Engineering at Texas A&M from 1977 to 2011. He was the former Executive vice President of S.A. Holditch & Associates, where he specialized in reservoir engineering for unconventional gas reservoirs. He served as an Academic Engineering Fellow with the U.S. Securities and Exchange Commission (SEC) in Washington during 2007–2008 and was a principal architect of the modernized SEC rules for reporting oil and gas reserves.

Prior to beginning his career in academia, Lee managed Exxon's Major Fields Study Group. He has written many technical papers and four SPE textbooks: Well Testing, Gas Reservoir Engineering, Pressure Transient Testing, and Applied Well Test Analysis. Lee is an Honorary Life Member of SPEE, an Honorary Member of SPE and a member of the US National Academy of Engineering. He received his BChE, MS, and PhD degrees in Chemical Engineering from the Georgia Institute of Technology.



**Save the Date
June 18-21, 2023**

58th SPEE ANNUAL MEETING

Looking forward
to seeing you
June 2023
in the sailing capital
of the world,
Newport, Rhode Island.

Located on Goat Island and surrounded by Narragansett Bay, Gurney's Newport Resort & Marina is centrally located to nearby landmark mansions, museums, vineyards, golf courses, beaches, state parks, scenic walks, and cruises.

Plans are underway for a full technical program and short courses as well as group activities, spouse/guest activities, and time to sightsee.

Extend your trip a few extra days to take in Newport's gilded-age mansions with a trolley tour or enjoy a stunning sunset sail in the historical waterfront. Newport is located 72 miles from Boston, Massachusetts and 33 miles from Providence, Rhode Island. Martha's Vineyard, Nantucket, and Cape Cod are all within easy reach for a wider exploration of the New England area!

Welcome New Members

Calgary Chapter

McDougall, Jason Daniel Member No. 1081
Associate Director
Scotiabank Global Banking & Markets
1700, 225 6th Ave SW
Calgary, AB T2P 1N2
Canada
Jason.mcdougall@scotiabank.com

Verney, Michael Status Change – Associate to Full Member
Executive Vice President
McDaniel & Associates Consultants Ltd
2200,255 5 Ave SW
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mverney@mcdan.com

Dallas Chapter

Guenther, Travis Member No. 1084
Petroleum Engineer
LaRoche Petroleum Consultants, Ltd
2435 N. Central Expressway, Suite 1500
Richardson, TX 75080
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tguenther@larocheltd.com

Teslya, Oksana Member No. 1085
Staff Engineer
DeGolyer and MacNaughton Corp.
5001 Spring Valley Rd.
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oteslya@demac.com

McCormack, Will Member No. 1086
FVP – Credit Officer (Energy Finance)
East West Bank
5001 Spring Valley Rd. Suite 825W
Dallas, TX 75244
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Europe Chapter

Moy, Simon Member No. 1087
Partner
Rockflow Resources Ltd
1 Bernay House
Haslemere, GU22 2PE
United Kingdom
simon.moy@rockflow.com

Trofimov, Alexey Member No. 1088
Senior Resource Consultant, Resources Assurance and Reporting
Shell
Jacob Mosselstraat 29A
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The Netherlands
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Houston Chapter

White, Piper Status Change – Associate to Full Member
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Bandyopadhyay, Parag Associate Member No. 1082
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Krummel, Karl Member No. 1083
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Worms, Dalton Status Change – Associate to Full Member
Senior Reservoir Engineer
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