



SPEE

SOCIETY OF PETROLEUM EVALUATION ENGINEERS

Newsletter

August 2022

President's Letter

Greetings from the President of the Society of Petroleum Evaluation Engineers. I would like to start by thanking everyone who was able to attend our Annual Meeting this June in Napa, California. We did not know what to expect since we were last able to hold the Annual Meeting in 2019, but we had a very successful event and good attendance. I would like to thank all of our sponsors and all of the speakers/presenters. The speakers and three short courses covered a wide range of interesting topics.

The Monday evening Gala Dinner was a great event and a welcome chance to socialize, especially since we have been unable to gather in person for three years. Congratulations to **Neal Howard** on his SPEE Service Award for his work in the Qualifications Committee and **Steve Hendrickson** for his work on the Survey of Parameters. Past President awards were also presented to **Jennifer Fitzgerald, Robert Green, and Charles Boyette**.

I would also like to thank **Attila Szabo, Debbie Sutter and Andrea Bracho** for their effort and work on the Annual Meeting. There were a number of unknowns for this Annual Meeting due to the time since our last meeting and the subsequent changes that have occurred in the hospitality industry, but these three successfully maneuvered the challenges.

During my Business Presentation at the opening of the Technical Sessions, I gave an overview of the status of Finances, Membership, Organization, and Initiatives. The SPEE finances are in good shape despite the lockdowns of the past two years. We had strong bank balances heading into this tough period when we were unable to hold our training

events or Annual Meetings. As a result of the lockdowns, we had negative net income for 2020 and 2021. The 2022 budget projects a return to a slight profit as we return to a more normal operation.

Training Courses are scheduled to begin this August, with two already open for registration on the SPEE website.

Our membership numbers are steady with a count of 568 members in April of 2022. We have been fortunate to maintain our membership levels during what has been an extremely tough period for other Professional Societies in our industry. Thank you to all of you who recruit and sponsor new members. The application process has been streamlined and is functioning smoothly and the timeframe from application to decision has been condensed. I would encourage each of you to recruit qualified applicants.

SPEE continues to deliver on many initiatives. These accomplishments are possible through the countless hours and dedication from our member volunteers. Please consider taking on a volunteer role within your local Chapter or with one of our Committees at the International level. By doing so you will be able to expand your network and benefit from the knowledge, experience, and expertise of your fellow members.

Thank you again to everyone for your support.

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)	Zach 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 - John G. Davis
Vice Chairman – Colter Kazmann
Secretary-Treasurer - Michael Zuber
Membership – Stefan Krystosik

Denver

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

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

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

Latin America

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Vice Chairman – Fabio Londono
Secretary-Treasurer – Diana Mancilla
Membership – German Moss

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 held a quarterly chapter meeting on 11 May, 2022, in Perth, Australia, attended by 5 in person and 10 online. There were two technical presentations/discussions on CCUS. The first by Peter Stephenson was on the physics of CCUS, the importance of phase behaviour, effect of impurities, factors affecting storage capacity and key differences between storage in depleted fields and deep aquifers. There was a lively discussion about potential thermal shock caused by phase changes. The second discussion was by William Walton on the SPE SRMS, how to apply it, definition of discovery and inaccessible storage resources, the requirements for different storage resource classifications and economic assessment. The next meeting is scheduled for July/August 2022 with a discussion on potentially suppressed uncertainty with experimental design.

Membership - 18

Calgary

The Calgary Chapter of SPEE is continuing to move forward with hybrid business meetings and technical presentations. The hybrid approach provides the flexibility for those members not able to attend in person to attend remotely. This hangover from the pandemic approach to business meetings may be a positive change that members may choose to adopt indefinitely.

Two technical lunch meetings were held earlier this year. The February 2022 meeting focused on the regulatory changes and challenges in Canada with a focus on the province of British Columbia presented by Keith Braaten of Braaten Petroleum Consulting. The second meeting in April 2022 was entitled *ESG and the Changing Landscape of Emissions Reporting* presented by GLJ's Vice President, Sustainability, Colleen Sherry. Technical lunch meetings will return in the fall.

Our final business meeting of the year and AGM were held May 26. Following the completion of the current Executive's two-year term, a new Executive was elected at the AGM as follows:

Chair – Tim Freeborn
Vice Chair – Steven Golko
Treasurer – Colin Edie
Secretary – Claudio Virues
Past Chair – Larry Petropoulos
Membership Coordinator- Jason Pacholko

*Meetings - 3rd Tuesday of each month except June, July and August.
Membership - 55*

California

Some California Chapter members continue to attend meetings of other Chapters virtually and are grateful for these opportunities.

Membership - 8

Central Texas

Membership - 23

Dallas

The Dallas Chapter met on May 12 with Mark Bentley presenting *How to Design a Good Reservoir Model*. 120 registered to attend.

To attract membership, the Dallas Chapter is offering attendance at online meetings free of charge or at a reduced rate to encourage attendance despite timing conflicts or location issues.

Meetings – Semi-monthly except June, July and August.

Membership - 78

Denver

The Denver Chapter held its July luncheon meeting at the Denver Athletic Club. Zack Warren, P.E., founder and managing partner of Velocity Insight, presented *Fitting Square Pegs into Square Holes: Data Analytics Trends in Reserves Evaluation*. The meeting was a hybrid event. There were approximately 25 members/guests attending in person and approximately 30 members/guests online. Total attendance (in person and online) was approximately 55.

The Denver Chapter is planning a Short Course and Soiree in September. Dr. John Wright, Principal, Wright Consulting, will present *Reserves Evaluation Practices Training*. The four-hour course will be in person, and will be followed by the Soiree. Registration will open mid-August. We extend special recognition to Ovintiv (Theresa Wisda) for providing the meeting space.

*Meetings - 2nd Wednesday of January, April, July, October, Dec
Membership - 87*

Europe

Meetings - Four per year.

Membership - 41

Houston

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

Membership - 160

Latin America

Meetings – 3rd Thursday of each month

Membership – 15

Midland

The Midland Chapter's May 18th meeting on *An Evolving Energy Transaction Landscape* was presented by John Fossum at the Petroleum Club of Midland. A total of 14 attended which included 10 non-members. We are taking our usual break for the summer and our next meeting will be September 21st. Our officers have discussed incentives for the cost of the next fall meeting to get levels of attendance back to pre-covid levels.

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

Membership - 21

Northern Rockies

Membership – 7

Oklahoma

The Oklahoma Chapter is currently in the middle of the summer break from meetings. The Chapter plans to restart in-person meetings in the fall.

Meetings – Monthly except June, July and August.

Membership - 35

2022 Board of Directors and Staff



From Left to Right: Fred LeGrand, Zack Warren, Steve Gardner, Brenda Brown, Martin Hubbig, Attila Szabo, Joe Young, Charles Boyette, Debbie Suter, Dean Sergent, Andrea Bracho, Tad Fielder.

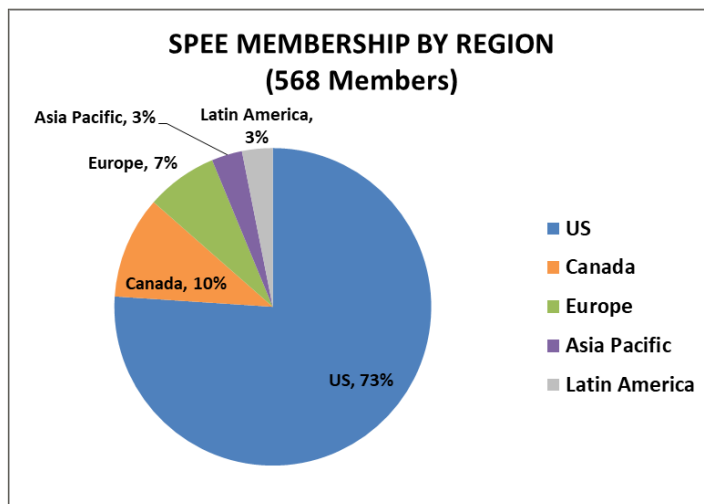
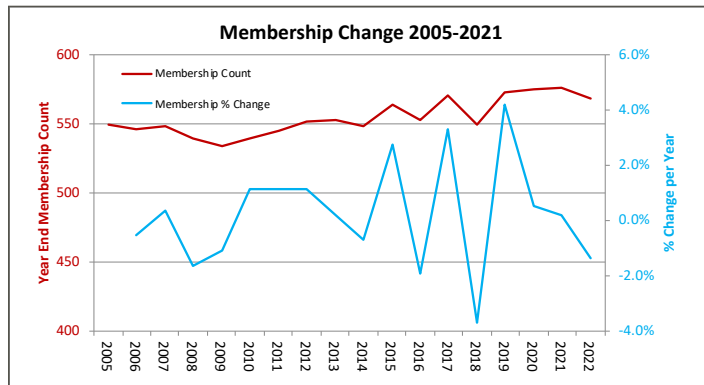
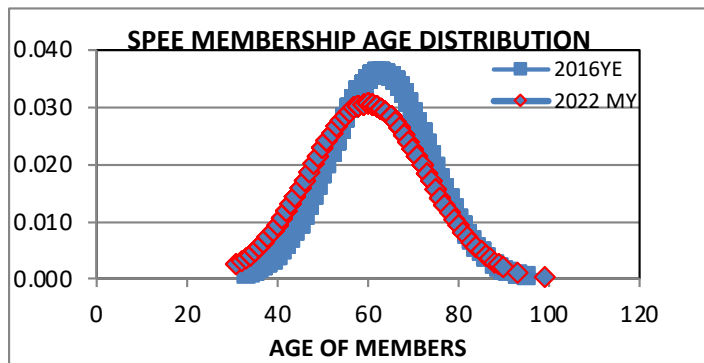
Membership Report

Total SPEE membership as of mid-2022 was 568 consisting of 453 General members, 87 Retired, 19 Associates, and 9 Lifetime. The trends are pointed in the right direction, more internationally diverse and younger.

Key items:

- 73% of the membership is in the United States with 50% in Texas and 28% in Houston.
- SPEE membership is becoming younger (defying humanity's inevitable) and the average age currently is 59.9 years.
- The youngest member is 31 and the oldest is 99 years young. The oldest member is still actively attending Chapter meetings.
- The longest-duration living member joined on November 7, 1965.

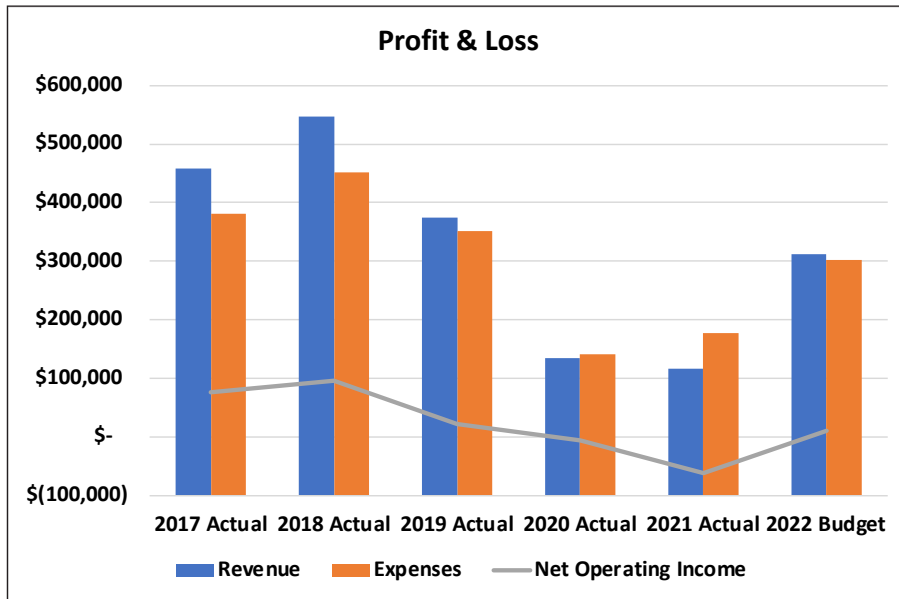
Excerpted from Fred LeGrand's Membership Report to the Board of Directors



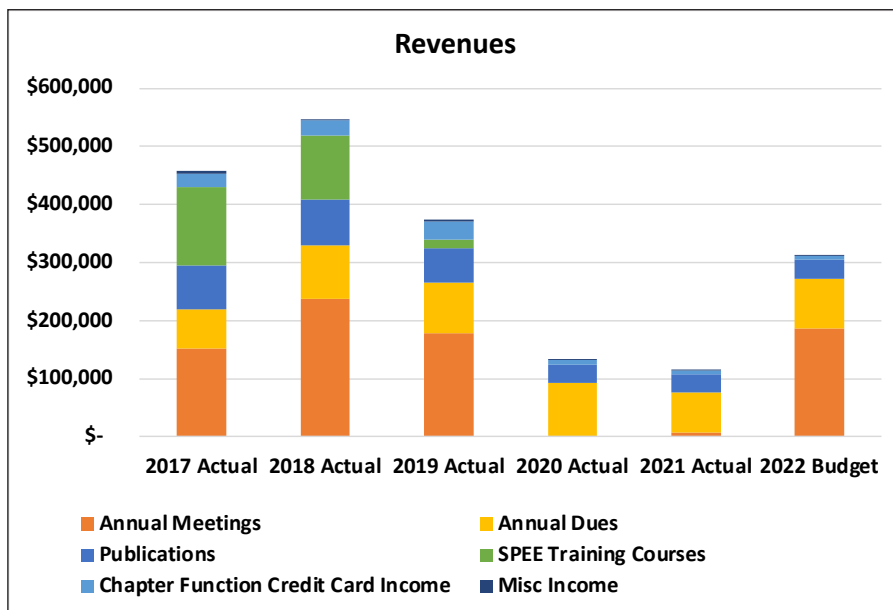
Financial Report

The Society continues to remain financially healthy. Revenue for SPEE International in 2021 was \$115,888 and expenses totaled \$176,928 yielding a net loss of \$61,040, which compared to a budgeted net loss of approximately \$34,000. The difference is largely attributed to higher Professional Fees as a result of hiring our new SPEE Administrative Assistant, Andrea Bracho. Debbie Suter remained in her role as SPEE Executive Assistant until her recent retirement. Cash assets held by SPEE International at the end of 2021 in checking and money market accounts plus CDs totaled \$532,851.

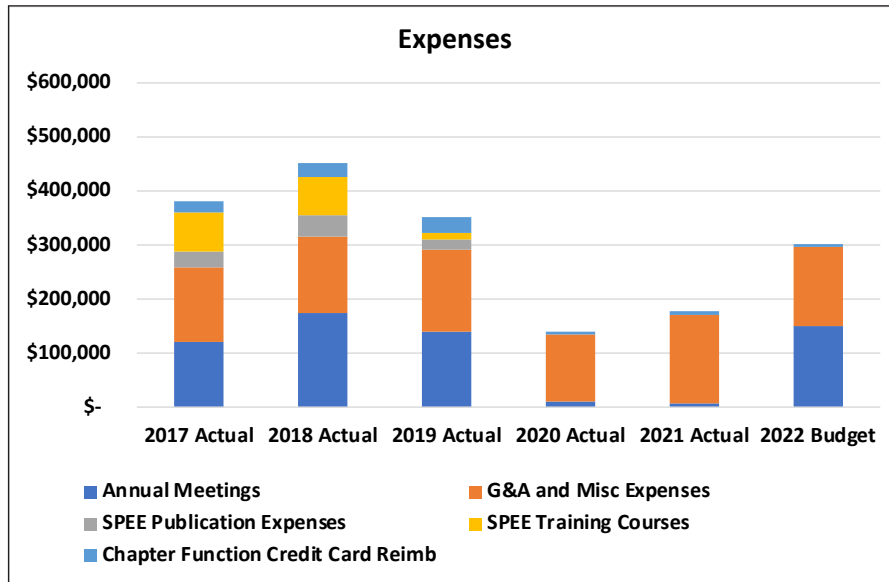
The chart below shows the financial performance of SPEE International for 2017 through 2021. Overall, the Society had been operating at a profit since 2017. However, owing primarily to the cancellation of the Annual Meetings in 2020 and 2021, postponed training courses, and investments in upgrades to the website, losses have been incurred over the last two years. Coming out of the pandemic, 2022 will be a transition year financially as the Society returns to in-person annual meetings and provides additional training opportunities.



The charts below summarize the principal sources of revenue and expenses over the last several years. The increased revenue in 2017 and 2018 was associated with a very active training program for Monograph 4.



Forecasting revenue and expenses for the 2022 Annual Meeting was challenging. Information from the recent Annual Meeting will be helpful as we prepare the 2023 budget. G&A and Miscellaneous expenses in 2022 are expected to be essentially flat to 2021 levels.



The financial reserves of the Society are healthy. The Society has weathered the storm of the pandemic and is back on a path to providing in-person meetings, training events, and future monograph publications. If you have any questions or need additional information, please feel free to contact me or President Joe Young directly.

Dean Sergent
2022 Secretary - Treasurer

PRMS Guidelines for Applications of the Petroleum Resources Management System Update

The SPE Oil and Gas Reserves Committee, along with many other volunteers, is hoping to have the “Applications Guidelines” or “AG,” the companion document to the PRMS, ready for release before year end. Updated to reflect PRMS 2018, the AG should be about twice as long as the 2011 version and will include two new chapters, Petrophysics and Reservoir Simulation. The chapter on Unconventional Resources Estimation has been greatly expanded to reflect the many changes that have occurred in the last decade. The new AG will also be accompanied by a list of FAQs and numerous examples. Some of the examples will be integrated into the AG, while others will be available electronically as stand-alone examples. Both the examples and FAQs are designed to be evergreen in the sense they can be updated as necessary as comments and questions are received. SPEE’s own Charles Vanorsdale is serving as editor and deserves your appreciation for a tremendous effort.

Dan Olds

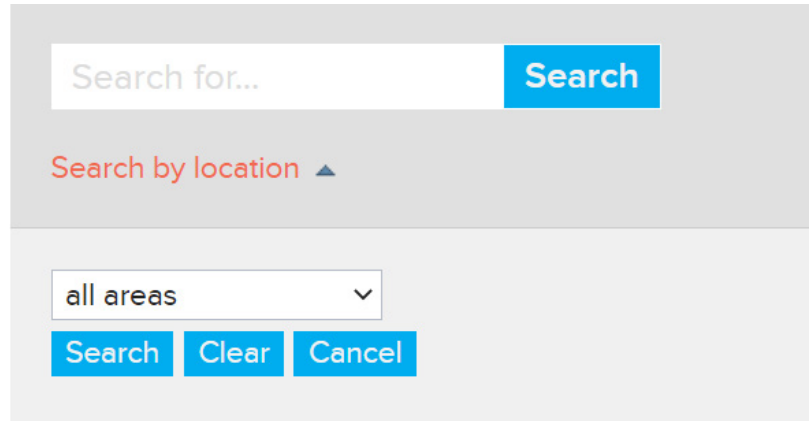
SPEE Website News

Some exciting training courses are now available for registration. Look for links to the courses on the SPEE homepage or via the Event Calendar, which is accessed under CHAPTERS on the main menu bar. The Internet Committee is also working on a web page dedicated to just training; so, stayed tuned for a more details! In the meantime, please contact Zack Warren (zwarren@velo-insight.com) with questions about upcoming training courses or for ideas regarding future opportunities.

You may have noticed the search features on the Membership Directory page. You can search by name or by location, which is an especially handy option for members or prospective members trying to find other SPEE folks in their area.

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



Farewell to Debbie Suter

Debbie Suter has retired effective June 30th. Debbie joined SPEE in 2015 and has significantly contributed to many improvements and advances in our operations and service to our members. Debbie was responsible for moving us away from a paper-based operation and has even made great progress in digitizing many of our historical records. Debbie's enthusiasm and work ethic flowed through all activities of SPEE and she has been an integral part of all of our functions including Training, Membership, Board of Directors, Symposiums, Website/Internet, Accounting and the Annual Meetings.

Hopefully, all of you had the chance to interact with Debbie during her time as our Executive Assistant. Debbie has been a great support to all of us and a key element in keeping SPEE functioning smoothly. There have been many upgrades to the Society since Debbie joined, and she was a significant contributor in all of these. We will miss Debbie and wish her the best in her retirement.



To my SPEE colleagues,

As you may know, my last day with SPEE was June 30, 2022 and I am loving retirement!

I want you all to know how much I've enjoyed my time working with SPEE. This is an incredible society, and I feel fortunate to have been a part of it for these past seven years. We've had a lot of fun times, I've made many good friends, we weathered COVID, and still managed to keep everything on track.

Many of you told me I had big shoes to fill when I took over for BK. My goal was not to fill her shoes (she was irreplaceable), but to take SPEE a few steps forward and with your help, we accomplished a lot. I know you will enjoy working with Andrea – her technology experience, as well as being bilingual, will continue to move SPEE in a forward direction. And she is a lot of fun to work with!

Thank you for making my last working years a fun ride. I look forward to seeing what you all continue to accomplish, and I wish you nothing but the best!

Debbie Suter

In Memorium

We regret to note the passing of

Harry J. Helwerda

Calgary, Alberta

26 August, 1955 – 14 June, 2022

It is with sadness and heavy hearts that we announce the peaceful passing of Harry Helwerda on Tuesday, June 14, 2022, at the age of 66. Harry fought Glioblastoma courageously for 17 months, never giving up, living with hope and continuing to love life despite all he faced.

Harry was born and raised in Calgary where he lived, worked, and spent his whole life. Family was paramount to Harry; he was very proud of his family and was overjoyed to have become a grandpa this past January.

Harry graduated from the University of Calgary in 1978 with a B.Sc. in Civil Engineering. He accepted a position with Mobil Oil as a Reservoir Engineer in Calgary and learned as much as possible about reservoir engineering and the oil industry. After four years of working on various projects at Mobil, Harry accepted a position with the consulting firm Lewis Engineering as an Evaluations Engineer in 1981. The new challenges of working in a fast-paced environment on multiple projects for different companies suited Harry's personality and attention to detail well.

The Calgary Oil Patch was hit hard in 1982 by the Federal Government's National Energy Program, which ushered in the first of the many bust and boom cycles that Harry would experience over his career. Unfortunately, Lewis Engineering folded in 1983, and Harry moved to the successor company Keplinger Canada Engineering as an Evaluations Supervisor. Two years later, Keplinger met the same fate. Harry started his own company Preco Petroleum Consulting in 1985.

In 1989 Sproule became one of Harry's clients, working as a contract consultant doing reserves evaluations. Six months later, in 1990, a full-time position opened up at Sproule and Harry joined the firm as an Evaluations Engineer. He quickly became an Associate of the Company in 1991 in recognition of his contributions to the company. Harry brought his existing clients which remained with Sproule due to Harry's long working relationships with them. Harry's previous consulting experience and running his own company helped him quickly advance at Sproule, becoming a Manager of Engineering in 1994, a Director in 1997, Vice-President of Engineering in 1999, Senior Vice-President in 2006 and Executive Vice President in 2007. In June of 2013, Harry became President of Sproule and retired as President and COO in 2016.

Harry was a member of the Association of Professional Engineers and Geoscientists of Alberta (APEGA), SPE and SPEE. Harry was very active in the industry, giving selflessly of his time to various committees. These included the APEGA Board of Examiners from 1999 to 2008, the Nominating Committee of APEGA from 2008 to 2016, and the Alberta Securities Commission Petroleum Advisory Committee in 2012. He was also actively involved in the SPEE Calgary Chapter and served as Chairman in 2011 and 2012.

In June 2010, Harry was recognized by his peers for his exceptional contributions to the engineering profession in Canada by being conferred as Fellow Engineers Canada (FEC). Harry was also recognized in 2013 for his contributions to the Geoscience profession by being vested as a Fellow of Geoscientists Canada (FGC). Harry's Hat Trick of recognition was Sproule's recognition as one of Canada's Best Managed Companies in 2016 while he was President.



Is It Ethical, Moral And Legal?

A great deal has been written about ethics and a great deal more will be. Why? Because Ethics is a soft term and defined by other soft terms. Consequently, when ethics is taught or discussed, it normally uses the presentation of situations and then discusses them. We do this because ethics is a moving target. What is ethical to one person is not ethical to another person. It changes because of ethnicity, gender, culture, socio-economic background, religion and government rules. The agencies governing professional registration require recurring training in ethics. So SPEE includes one hour of ethics at each SPEE Annual Meeting.

For purposes of this discussion, accept these short definitions as they pertain to this topic:

ETHICAL: The boundaries of behavior placed on people by that society.

MORAL: The boundaries of behavior established by the individual.

LEGAL: The boundaries placed on persons by laws and regulations.

Accepting these boundaries, we can move on. Ethics is an important topic, and it is discussed everywhere. Why? I think because we don't have a good grasp of it, and it is important to be a self-governing society. I am not talking about SPEE but the greater society of humankind.

Our society even teaches ethics to children. Recently, I read about a new merit badge offered by the Boy Scouts of America, or Scouts USA, as they are now called. The new merit badge is titled "Citizenship in Society." Unlike all other merit badges, they did not publish a pamphlet or training manual. They simply published a seven-page document with the requirements and instructions for the scouts and councilors. They open with: "The focus of the Citizenship in Society merit badge is to provide you with information on diversity, equity, inclusion, and ethical leadership." That is a lot to cover in one merit badge. The guidance goes on to say: "The process of earning this merit badge will be different, as it intentionally places the responsibility of research and identification of resources on you instead of using a merit badge pamphlet." Their first four requirements ask questions about ethical leadership and ethical decision making. They leave the definition and discussion of ethics completely up to the scout. I hardly think a twelve-year-old has that in-depth understanding of ethics. Society is struggling with ethics, which is why it emerges in so many places, like annual refresher training.

Speaking of requirements, the Texas Board of Professional Engineers and Land Surveyors (PELS) implemented in 2017 a third requirement for registration. In addition to the Fundamentals of Engineering Examination and the Principles and Practices of Engineering Examination, they added a Professional Conduct and Ethics Examination. It is open book, and you must achieve a passing grade. All the questions refer to situations that are addressed in the PELS Published Rules. Because our state consists of people from so many backgrounds with different values, the PELS established standardized ethics in the state of Texas by codifying ethical behavior in the regulations. Since 2017, thirteen other states established Ethics Examinations for registration.

Where are your ethical, moral and legal boundaries? Do they align with your society?

Robert Green, P.E.
Ethics Committee Chairman





SPEE Presents

Oil and Gas Reserves: The SEC Reporting Rules

Course Description:

This eight-hour 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

August 15 and 16, 2022, 8 AM to noon, CDT

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.

Instructional Medium

Virtual Zoom lectures for up to 30 attendees. [Register here!](#)

CEU's

8 CEU's (Continuing Education Units) are awarded for this 1-day 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 US 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.



SPEE Presents

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

August 17 and 18, 2022, 8 AM to noon, CDT

Why Attend

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

Instructional Medium

Virtual Zoom lectures for up to 30 attendees. [Register here!](#)

CEU's

8 CEU's (Continuing Education Units) are awarded for this 1-day course

Instructor

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Recap of the 2022 SPEE Annual Meeting

The 2022 Annual Meeting at the Meritage Resort and Spa in Napa Valley, California, was our first in-person event since 2019 and was well attended with 150 registrants consisting of 75 members, 26 non-members and 49 spouses and guests. The overall theme was adapting to change. Continually improving science, technology and methodologies constrained by regulatory, environmental, social and governance pressures have significantly impacted the ability of our industry to economically compete. The meeting introduced new topics relating to carbon capture and storage, abandonment and reclamation challenges and how technology has taken us down the path of predictive machine learning.

Three short courses were offered and were well attended:

- Short Course 1 on Saturday: Prospective Resources: Process, Terms and PRMS Compliance - presented by Tom Scott from DeGolyer and MacNaughton;
- Short Course 2 on Sunday morning: SEC Perspectives Update: Overview of Disclosure Issues - John Hodgkin of the SEC;
- Short Course 3 on Sunday afternoon: Carbon Capture, Utilization and Storage and the CO2 Storage Resources Management System (SRMS) presented by Rawdon Seager from Gaffney Cline.

The Monday morning technical session commenced with the President's address given by Joe Young which highlighted the current state of affairs of the society and how well we have weathered the last few years. Four technical sessions were presented on Monday morning. Dr. Srikanta Mishra spoke on the Applications of Machine Learning for Production Data Analysis: Premises, Promises and Perils; Jennifer Fitzgerald gave an update of the status of Monograph 5; Dr. David Ferris addressed The Current State of ESG in Energy. Monday morning was closed by Dan Olds presenting on the PRMS Applications Guidelines Update. Tuesday's technical session consisted of five technical presentations kicking off with Steve Hendrickson reviewing the 2022 Survey of Parameters Used in Economic Evaluation; Craig Burns then spoke on the ASC Regulatory Update; Marshall Watson discussed the SRMS Application Guidelines Update. Steve Hendrickson presented for the second time on the topic of Addressing ARO/ADR Considerations. Tuesday morning was closed by Robert Green's session on ethics, Is it Ethical, Moral and Legal?

The Sunday night welcome reception was held on the Village Lawn. It was well attended and gave us our first real opportunity to reconnect with old friends and to meet new ones. The Downtown Napa Walk on Monday and the Paint & Sip activity on Tuesday were well received and attended by spouses and guests. The Monday afternoon Gen7 wine tasting experience was a sell-out and enjoyed by all.

The Monday night Gala and Awards event was jam packed and the dinner well received. Awards were presented prior to the commencement of dancing to the musical stylings of "Busta Groove." The dance floor was packed to the end and the band was called back for an encore! The following awards were presented by Joe Young:

- Neal Howard was recognized for his service on the Qualifications Committee as a Member from 2014 through 2017 and as its chairman from 2018 to 2020.
- Steve Hendrickson was recognized for his service and leadership as Chairman of the Parameters Survey Committee, Survey Enhancements, and the Establishment of the Digital Rights Management platform.
- Jennifer Fitzgerald was recognized for her outstanding contribution as the 2019 President of the SPEE.
- Robert Green was recognized for his outstanding contribution as the 2020 President of the SPEE.
- Charles Boyette was recognized for his outstanding generous contribution as the 2021 President of the SPEE.
- Debbie Suter was given a token of appreciation for her services as the SPEE Executive Assistant from 2015 to 2022.

Thank you to all our presenters who contributed many hours of work to share with our participants. Also, thanks to the SPEE Executive Committee for the support and work to make the meeting a success. I particularly want to thank Andrea Bracho for taking on the enormous task of coordinating the entire event under the watchful eye of Debbie Suter. As you all know, Debbie has retired, and I thank her for her years of service and wish her well in her retirement.

Finally, please join me in thanking the sponsors on the following page whose support contributes greatly to the success of the Annual Meeting and the SPEE all year long.

Attila Szabo
2022 Vice President and Annual Meeting Chairman



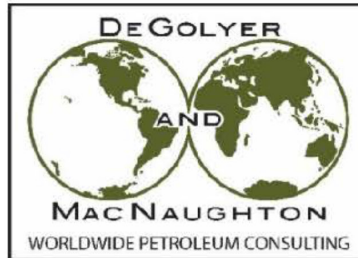
57th Annual Meeting

June 12 - 14, 2022

The Meritage Resort and Spa - Vista Collina Resort - Napa, California

Thank you to our Sponsors!

Cabernet (\$5,000)



Merlot (\$3,000)



Chardonnay (\$2,000)

Edmonds Energy Corp.
Richard & Julia George



Pinot Noir (\$1,000)



**Gaffney
Cline**



Sproule



DON RAY GEORGE & ASSOCIATES, INC.
CONSULTING PETROLEUM ENGINEERS

Sauvignon Blanc (\$500)



OPPORTUNE

Chapman Petroleum Engineering Ltd.





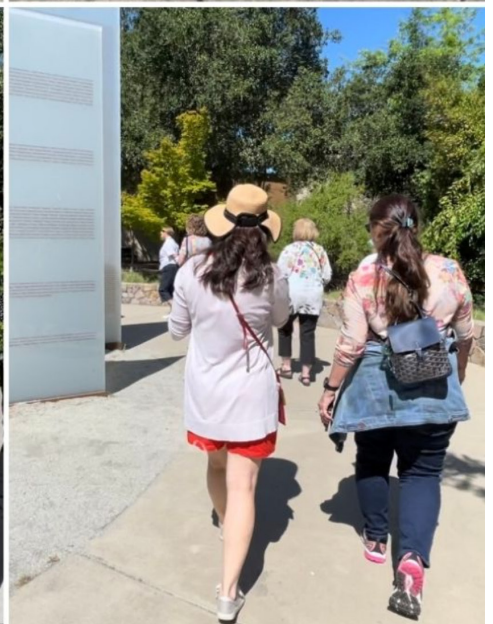




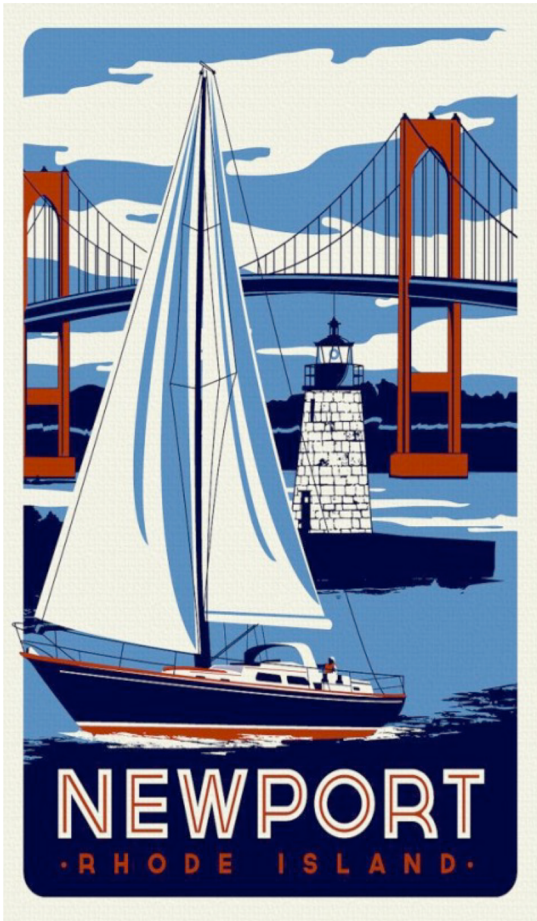












Save the Date
June 18-21, 2023

58th SPEE

ANNUAL MEETING

Looking forward
to seeing you in

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, and 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

Ohaegbu, Paul Member No. 1077
Director and Senior Petroleum Engineer
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Dumesnil, Joe Member No. 1080
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McMahon, Emrys Member No. 1079
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Kim, Eric Status Change – Associate to Full Member
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