



# spwla today



NEWSLETTER

# *Petrophysics Journal*

## CALL FOR PAPERS

- PAPERS ACCEPTED FOR REVIEW THROUGHOUT THE YEAR
- SPWLA CONFERENCE PROCEEDINGS ARE ELIGIBLE FOR SUBMISSION
- PUBLISHED PAPERS AVAILABLE ON SPWLA AND ONEPETRO DIGITAL LIBRARIES



MORE  
INFORMATION  
ON [SPWLA.ORG](http://SPWLA.ORG)



**ISSUE SPONSORSHIP AVAILABLE**

## Did you know?

Scotland is the birthplace of many world-changing creations, such as the refrigerator.



Do you know what else was created in Scotland?



Interactive  
Petrophysics

Created in Scotland, changing  
the world of petrophysics forever.

# INSIDE THIS EDITION

From the President.....	6
From the Editor .....	12
From the Past President .....	13
<b>Board of Directors Reports</b>	
• Tech Today .....	14
• Financial Times.....	17
• Informative Technology .....	19
• Learning Opportunities .....	20
• The Feed .....	22
• Regional Understandings.....	23
The Bridge .....	33
Brazil by Philippe Theys .....	36
Board Minutes.....	37
Chapter News.....	38
In Memoriam .....	55
New Members.....	56





**President**  
**Jennifer Market**  
*Consultant*  
Perth, Australia  
President@spwla.org



**VP Finance, Secretary,  
and Administration**  
**Jing Li**  
*Occidental Petroleum  
Corporation*  
Houston, TX USA  
VP-Finance@spwla.org



**President-Elect**  
**Iulian Hulea**  
*Shell Global Solutions*  
The Hague, Netherlands  
President-Elect@spwla.org



**VP Publications**  
**Stephanie Perry**  
*Continental Resources*  
Oklahoma City, OK, USA  
VP-Publications@spwla.org



**VP Technology**  
**Robert "Bob" Gales**  
*Halliburton*  
Houston, TX USA  
VP-Technology@spwla.org



**VP Information Technology**  
**Tegwyn Perkins**  
*Geoactive Limited*  
Tomball, TX USA  
VP-InfoTech@spwla.org



**VP Technology-Elect**  
**Harry Xie**  
*CoreLab*  
Houston, TX USA  
VP-Technology-Elect@spwla.org



**VP Communications**  
**Chelsea Newgord**  
*ExxonMobil*  
Houston, TX USA  
vp-communications@spwla.org



**VP Education**  
**Kelly Skuce**  
*Core Petrophysical Consulting*  
Calgary, Canada  
VP-Education@spwla.org

## REGIONAL DIRECTORS



**N. America 1**  
**Javier Miranda**  
*DeGolyer and MacNaughton*  
Houston, TX, USA  
Director-NA1@spwla.org



**Middle East/Africa**  
**Jennifer Duarte**  
*Geoactive Ltd*  
Abu Dhabi, UAE  
Director-ME@spwla.org



**N. America 2**  
**Clara Palencia**  
*Intertek Westport  
Technology Center*  
Houston, TX USA  
Director-NA2@spwla.org



**Asia Pacific**  
**Yuki Maehara**  
*SLB*  
Tokyo, Japan  
Director-Asiapacific@spwla.org



**Latin America**  
**Nelson Suarez**  
*Halliburton*  
Mexico City, Mexico  
Director-LA@spwla.org



**Executive Director**  
**Sharon Johnson**  
*SPWLA*  
Houston, TX 77017  
(+1) 713-947-8727  
sharon@spwla.org



**Europe**  
**Mathias Horstmann**  
*SLB*  
Stavanger, Norway  
Director-Europe@spwla.org



**Managing Editor**  
**Elizabeth Naggar**  
(+1) 713-444-3495  
editor@spwla.org

**Publication Manager**  
**Anna Tarlton**  
*InkSpot Printing*  
2301 S. Shaver  
Pasadena, TX 77502, USA  
(+1) 713-472-1100  
orders@inkspotprinting.com

### May 18–22, 2024

*SPWLA 65th Annual Symposium*  
Sheraton Grand Rio Hotel & Resort  
Rio de Janeiro, Brazil  
[www.spwla.org](http://www.spwla.org)

### September 12–13, 2024

*The 29th Formation Evaluation Symposium of Japan*  
JOGMEC-TRC  
Chiba, Japan  
[www.spwla-jfes.org](http://www.spwla-jfes.org)

### October 6–9, 2024

*SPWLA – Asia Pacific Regional Conference*  
Theme: “Traditional and Transitional Petrophysics – Enhancing and Integrating Petrophysics Into the Challenges of Today and Tomorrow”  
Bangkok, Thailand  
[www.spwla.org](http://www.spwla.org)

### About the Cover

SPWLA eagerly looks forward to the upcoming symposium in Rio de Janeiro and the start of summer.

Notice: Articles published in *SPWLA Today* are not subject to formal peer review but are subject to editorial review and are verified for technical consistency and relevance.

## From the President



**Jennifer Market**  
SPWLA President  
2023–2024

Hello one more time from the president’s desk. I can hardly believe that it is nearly time for the annual symposium, and I’m writing my last newsletter as president – what a year it has been!

We’re very excited about this year’s symposium in **Rio de Janeiro on May 18–22** at the Sheraton Grand. We have a great lineup of technical talks, workshops, field trips, and social events.

The Brazilian government is so excited to have us that they have extended the visa-free period for many countries until next year, so you can still plan to join with no red tape! It isn’t too late to register – we’d love to see you there!



We are delighted to announce the foundation of our newest student chapter, SPWLA UPN “Veteran” Yogyakarta Student Chapter in Indonesia. SPWLA UPNVY SC is here to empower students as a dynamic and collaborative community for the development of future leaders in the field of well logging, petrophysics, and geosciences based on scientific synergy and professionalism. This organization was founded on January 15, 2024 under the auspices of the SPWLA Indonesia Chapter, SPWLA Asia Pacific, and SPWLA International in the Special Region of Yogyakarta from the Geophysical Engineering Department Study Program through SPWLA UPNVY SC. Students can share and obtain the latest knowledge in the field of petrophysics and well-log analysis. This can involve discussions, presentations, and other activities that facilitate the exchange of information between students and develop careers in the fields of petrophysics and oil and gas. See their website at <http://spwlaupn.carrd.co>.

By now, you should have received the results of the board of directors elections. We are pleased to welcome our new members and thank everyone who ran for office this year – the votes were very close in most cases, and we hope you will be willing to try again in the future.

To ensure continuity with the board, the positions are 2-year terms so that at least half of the board is in their second year while the remainder start their roles fresh. In addition, some of our “new” members this year have previously served. I’d like to congratulate our new members:

**Bob Gales** of Halliburton, Houston, as **President-Elect**

**Robin Slocombe** of SLB, Doha, as **Vice President Technology-Elect**

**Matt Blyth** of SLB, Houston, as **Vice President of Education (2024–2026)**

**Mark Ma** of Aramco, Saudi Arabia, as **Vice-President of Publications (2024–2026)**

**James Hawkins** of Core Geologic, Houston, as **Regional Director, North America Region 1 (2024–2026)**

**Marta D’Angiola** of Weatherford, Argentina, as **Regional Director, Latin America (2024–2026)**

**Elsa Maalouf** of the American University of Beirut, Lebanon, as **Regional Director, Middle East and Africa (2024–2026)**

## From the President

We'd like to thank our continuing board members for their service this year and look forward to their continued leadership in the 2024/25 season:

**Iulian Hulea** of Shell, The Netherlands, as **President** (2024–2025)

**Harry Xie** of Core Laboratory, Houston, as **Vice President Technology** (2024–2025)

**Jing Li** of Oxy, Houston, as **Vice President Finance, Secretary, and Administration** (2023–2025)

**Tegwyn Perkins** of Geoactive, Wales, as **Vice President Information Technology** (appointed to complete the remainder of Tom Bradley's 2023–2025 term)

**Chelsea Newgord** of ExxonMobil, Houston, as **Vice President of Communications**

**Clara Palencia** of Intertek Westport Technology Centre, Houston, as **Regional Director, North America Region 2** (2023–2025)

**Mathias Horstmann** of SLB, Norway, as **Regional Director, Europe** (2023–2025)

**Yuki Maehara** of SLB, Japan, as **Regional Director, Asia Pacific/Australia** (2023–2025)

...and of course, **Sharon Johnson, Executive Director** (professional, non-elected post)

We'd like to extend our profound gratitude to those retiring members who will finish their terms in May. We hope to see you all at the symposium in Rio to express our thanks personally and hope to continue to work with you in future roles.

**Kelly Skuce**, Vice President of Education (2022–2024)

**Stephanie Perry**, Vice President of Publications (2022–2024)

**Javier Miranda**, Regional Director, North America Region 1 (2022–2024)

**Nelson Suarez**, Regional Director, Latin America (2022–2024)

**Jennifer Duarte**, Regional Director, Middle East and Africa (2022–2024)

I'd personally like to thank the 2023–2024 board for all their hard work – there are many duties and numerous meetings that people give their time to perform for the love of the SPWLA. A lot of effort goes on behind the scenes to make everything happen, from the webinars to the annual symposium, from abstract selection to publishing a premium journal we can be proud of to winning sponsorships, finding volunteers, and making sure the lights stay on! My particular thanks this year goes to Bob Gales, whose passion for high quality and fairness has ensured an excellent technical program for this year's symposium, and especially to Tegwyn Perkins, who has put in many hours behind the scenes to improve the abstracts, awards, student papers, and foundation processes (all those slick new interfaces we appreciate!) on top of his past president duties of inveigling a stellar group of candidates to run for the board positions, shepherding the awards nomination (with his committee) and selection process, and working tirelessly to help modernize our background IT systems. I also want to call out Sharon and Stephanie, our inestimable staff, who ensure that the activities of the society run smoothly and who are always so patient and helpful to the many queries from our membership.

Let's also remember the many members who contribute to serving on the boards of our local chapters and SIGs, on the committees (technical, finance, awards, education, foundation), who act as judges for student competitions, and generally all those who give of their valuable time for our society – **Thank you!**

### Awards

Each year at the symposium, we take the opportunity to recognize our members who have performed outstanding service to the society and the advancement of petrophysics. While we look forward to the awards ceremony in Rio, I'd like to share this year's awardees and congratulate them all on their well-earned accolades. Details on their service will be included in the symposium program and posted on the website thereafter. **Congratulations to all our award winners!**

## From the President

Nominee	Award
Katerina Yared	Medal of Honor for Career Service
Fransiska Goenawan	Distinguished Service Award
Geoffrey (Geoff) Page	Distinguished Service Award
Nadege Bize-Forest	Distinguished Service Award
Bernd Ruehlicke	Meritorious Service Award
Emmanuel Caroli	Meritorious Service Award
Leonardo Goncalves	Meritorious Service Award
Lucas Abreu Blanes De Oliveira	Meritorious Service Award
Neal Cameron	Meritorious Service Award
S. Sherry Zhu	Meritorious Service Award

Nominee	Award
Weng Cho Chew	Pioneer Award
Dr. Michael Bittar	Gold Medal for Technical Achievement
David Allen	Distinguished Technical Achievement Award
Ron Balliet	Distinguished Technical Achievement Award
Tao Yang	Distinguished Technical Achievement Award
Artur Posenato Garcia	Meritorious Technical Achievement Award
Carlos Beneduzzi	Meritorious Technical Achievement Award
Martin Poitzsch	Meritorious Technical Achievement Award
Paulo Sérgio Denicol	Meritorious Technical Achievement Award
Rudolfo Beer	Meritorious Technical Achievement Award
Alexandra Cely	Young Professional Technical Award
Katy Larson	Young Professional Technical Award
Lei Fu	Young Professional Technical Award
Mohammad K. Aljishi	Young Professional Technical Award
Wenlian Xiao	Young Professional Technical Award

Each year, we also award a “Best Professional Chapter” and “Best Student Chapter.” This year, it was particularly challenging to select just one, as we had 11 nominations – all of them strong contenders. I’m pleased to announce the winners this year are:

### Best Professional Chapter: France

The SPWLA France Chapter, formerly SAID, was established in 1966 and is a local chapter that has evolved its technical program beyond traditional oil and gas interests to encompass emerging energies such as carbon capture and geothermal. With dynamic leadership, they host monthly seminars featuring industry experts, covering topics from carbon capture to nuclear measurements, which engages attendance numbers never—or at least for a very long time—seen in France. By embracing new technologies and inviting such diverse voices, they’re shaping the future of formation evaluation and petrophysics in France and continental Europe. We are delighted to recognize their efforts and hope they continue their work towards a forward-thinking community for insightful discussions and networking opportunities and how they continue to grow.

The current board members from 2022–2024 and forward have brought new dynamism to this local SPWLA chapter by organizing both in-person and virtual events, updating the website with relevant information, and seeking high-level technical presenters from other industries.

The board also invited new members to join the board, creating new positions such as social media and external publications. This can be clearly seen on LinkedIn in the active and well-organized LinkedIn profile of the chapter, which gained many followers in a very short period through the publications. It helped them to improve communication between the board committee and the society membership, making the society more accessible worldwide also through virtual seminars and knowledge sharing.

Several in-person events covering a variety of subjects in oil and gas, mining, and the new energies industry were held and were highly appreciated by the members, as the society is not solely focused on O&G any longer.

The SPWLA France Chapter has, over the past years, remained resilient and, with the recent dynamics, contributed to a sort of “image change” by diversifying the field of petrophysics and its relevance in Europe. Vive la France!







(Article credit to European Regional Director Mathias Horstmann and photo credit to Regional Director North America 1 Javier Miranda.)

**Best Student Chapter: Batangas State University (Philippines):**

Batangas State University Student Chapter was founded in 2021. We'd like to send a special thanks to former VP Education Fransiska Goenawan for sponsoring the first 10 members. In their first 3 years, they have had over 100 paid members each year – that is remarkable for a student chapter. They frequently meet for a mixture of technical events featuring industry leaders and fun events, such as their ExSPWLatory investigations – quizzes based on petrophysics. I have been privileged to attend (remotely) some of their events, and I found them a delight. This year is their first season to participate in the International Student Paper Competition (ISPC), and we look forward to seeing the finalist presentation at the annual symposium in Rio. I can't resist sharing their flyers here – they are fantastic! Congratulations, Batangas team!





Speaking of the International Student Paper Competition (ISPC), we’ve had a bumper crop of contestants this year, and we look forward to welcoming all the finalists to Rio (live or online). We encourage everyone to attend in Rio on May 18–19. Details for joining online will follow via email. Our VP Education, Kelly Skuce, will share the details in his article, so I won’t steal his thunder here.

We are excited to be growing in our chapters around the world. To reflect the increased globalization of our society, we have taken the unprecedented measure of having two annual symposiums in a row outside North America with this year’s much-anticipated meeting in Rio de Janeiro and next year’s symposium in Dubai. Many people have inquired as to whether this is “breaking the rules,” but there is no requirement in the bylaws to hold meetings in North America at least every second year, though it has been the tradition. The idea of holding conferences around the world is to allow more people to attend a symposium in their region who might not be able to join in North America. Please see the February newsletter for more details on the selection process. I’m pleased to announce that the board has voted to hold the 2026 symposium in the United States. Stay tuned for more information as we finalize the location in the coming weeks.

Last year, the petrophysics and engineering communities lost Dr. Carl Sondergeld, a legend in the industry. To honor his life and works, the SPWLA, along with the SEG and SPE, hosted a workshop that was held on March 27–29 in Norman, Oklahoma, entitled “From Measurements to Theory: Adventures in Rock Physics, Petrophysics, and Engineering.” Around 100 people joined in the event, which was a great success!

## From the President

It was with great sorrow we learned of the passing of Dr. Carl Sondergeld, a legend in our industry. When the idea of this tribute symposium was first mooted, my first thought was how fitting it would be to bring together a wide-ranging group of geoscientists to present new work and new insights on topics near to the heart of Dr. Sondergeld, followed by thinking how disappointed he would be not to be attending along with his many students and friends.

I knew Dr. Sondergeld first as a tireless mentor to his students, whom he led and encouraged to do careful and serious research and then prepare their results for publication to the geoscience community in a professional manner. He is largely responsible for dozens of top-tier scientists and engineers in our community.

His own work spanned many areas of research in reservoir engineering, rock physics, and petrophysics. His many publications focused on NMR measurements, fluid dynamics, rock typing, fracture optimization, wettability, and many aspects of the shale gas revolution.

Dr. Sondergeld coauthored many conference papers and journal articles throughout the industry, with more than 20 publications within the SPWLA. He was awarded the prestigious SPWLA Gold Medal for Technical Achievement in 2022 for his contributions to petrophysics.

The workshop showcased many excellent presentations on topics carefully selected to reflect the works of Dr. Sondergeld. And it is a remarkably varied set of topics: petrophysical characterization, rock physics, characterization, and image-based petrophysics, as well as NMR techniques, one of Carl's long-time passions.

Finally, I'd like to remind everyone of the SPWLA Foundation, whose hard work and great support of students and research we sometimes overlook in the glamour of the annual conference. While the history and purpose are detailed at length on the website <https://spwla.org/SPWLA/Foundation/SPWLA/Foundation>, the foundation is best known for the scholarships and grants given to deserving students and researchers from around the world. This year's submissions recently closed in early April, and thanks to Dr. Tegwyn Perkins' efforts in modernizing the process, this was the first year that the application process was fully online and much easier for both the applicants and the awards committee. The review process is still underway – stay tuned for the winners in the next edition.

And with that parting note, cheers to all, and I look forward to seeing you in Rio!

Jennifer Market  
President



**SPWLA**  
**BRAZIL CHAPTER**

## From the Editor



**Stephanie Ellen Perry**  
**2022–2024**  
**Vice President Publications**

Dear all,

I want to thank everyone in the society and community for their support over the last 2 years as I served in the VP Publications role. The opportunity to learn, grow, and provide back to a community that has supported and advocated on my behalf in my career was beyond humbling, and I appreciated every minute of it. While I won't continue to serve in the role, I hope the environment of openness, contributions, improvements, ideas, feedback, and growth has been encouraged and fostered. I look forward to being on the other side of the role for the society in the coming years, with a better appreciation for everything that goes into the success of the VP Publications role and the demands of the society.

My deepest heartfelt appreciation, thankfulness, gratitude, and excitement goes out to all of you. I look forward to the next contributors/leaders and hope to see everyone soon.

Very sincere regards,  
Stephanie Perry



**Tegwyn JP Perkins**  
**SPWLA 64th President**  
**2024–2025 SPWLA VP**  
**Information Technology**

Two of the most important tasks for the immediate Past President have been completed. First, the elections have closed, and everyone who participated has been informed of the results. I was delighted with the entire slate of candidates, and the SPWLA will be the ultimate winner. My congratulations to the winners and commiserations to those who finished runners-up. Some of the races were extremely close, and a few votes either way could have easily changed the eventual outcome.

I'd like to wish Iulian and his new board the best of luck for the new year. By a strange quirk of fate, that board also includes me...

Secondly, as I have reported previously, every year, the SPWLA recognizes those people who have contributed to the success of either the discipline of petrophysics and formation evaluation or to the society. I'm happy to announce that we had a record number of nominations this year – hopefully, due to the more streamlined nomination process we have adopted! After considerable debate, we are delighted to share the list of 2024 SPWLA Award Recipients with you:

SPWLA 2023–2024 Technical Award Recipients	
Pioneer Award	Weng Cho Chew
Gold Medal for Technical Achievement	Dr. Michael Bittar
Distinguished Technical Achievement Award	David Allen
	Ron Balliet
	Tao Yang
Meritorious Technical Achievement Award	Artur Posenato Garcia
	Carlos Beneduzzi
	Martin Poitzsch
	Paulo Sérgio Denicol
Young Professional Technical Award	Rudolfo Beer
	Alexandra Cely
	Katy Larson
	Lei Fu
	Mohammad K. Aljishi
	Wenlian Xiao

SPWLA 2023-2024 Service Award Recipients	
Medal of Honor for Career Service	Katerina Yared
Distinguished Service Award	Fransiska Goenawan
	Geoffrey (Geoff) Page
	Nadege Bize-Forest
Meritorious Service Award	Bernd Ruehlicke
	Emmanuel Caroli
	Leonardo Goncalves
	Lucas Abreu Blanes De Oliveira
	Neal Cameron
	S. Sherry Zhu

The Awards ceremony will be held at a special luncheon on 21<sup>st</sup> May during the annual symposium. I look forward to welcoming both recipients and symposium attendees at that time.

Dr. Tegwyn JP Perkins  
 SPWLA 64th President  
 2024–2025 SPWLA VP Information Technology



**Robert H. (Bob) Gales**  
2023–2024 VP Technology

By the time you read this, we will be under 1 month to the start of the SPWLA 65th Annual Symposium in Rio de Janeiro, Brazil. I encourage you to reach out to your geoscience friends and team members to join us for an exciting time of networking and technical knowledge sharing.

In addition to three full days of great talks, two poster sessions, and exciting social events, we have several workshops on Saturday and Sunday, May 17–18, prior to the Symposium kickoff. We encourage you to review the workshop details on [www.spwla.org](http://www.spwla.org) and take advantage of the outstanding slate of instructors. It is important to register for planning, and sessions without the minimum 10 attendees may be canceled.

### **Saturday, May 17**

- **Workshop 1:** Advanced Borehole Image Applications – Reservoir Characterization Beyond Dips
- **Workshop 2:** Optimized Reservoir Performance: UDAR-Well Placement and High-Angle / Horizontal Well Petrophysics
- **Workshop 3:** Digital Rock Applied to Formation Evaluation – Upscaling Insights From Pore to Well-Log Scale
- **Workshop 4:** New Advances in NMR Techniques and Applications

### **Sunday, May 18:**

- **Workshop 5:** Towards the Effective Use of Borehole Acoustics: Understanding, Validating, and Utilizing Sonic Measurements
- **Workshop 6:** Data Analytics – Understanding the Tools – Limitations and Opportunities
- **Workshop 7:** Energy Transition Petrophysics – What is New, What is the Same
- **Workshop 8:** Petrophysics Surveillance – Technologies and Best-in-Class Applications (for Managing Reservoirs)

In addition to the workshops, the Brazil Symposium Committee has arranged for a great field trip and core viewing sessions.

Thank you to the Technical Committee volunteers who reviewed the accepted abstract manuscripts and provided valuable feedback to the authors. This is a vital part of continued quality papers from the SPWLA. Let me or Harry Xie at [VP-Technology@spwla.org](mailto:VP-Technology@spwla.org) or [VP-Technology-Elect@spwla.org](mailto:VP-Technology-Elect@spwla.org) know if you are interested in serving on the Technical Committee.

We ended up with 110 oral presentations and 36 posters from the original 169 submitted abstracts. (There may be minor changes from writing to final publishing.) I'm excited about the range and depth of topics. We will have 17 topics spread over 22 sessions. The Special Organized Sessions (SpOrSe) and dual (2) sessions are noted. (These are in alphabetical order and not the final schedule.)

**General:** Acoustics Technology and Applications

**General:** Cased-Hole Formation Evaluation / Well Integrity Diagnostics and Remediation

**SpOrSe:** Cased-Hole Petrophysics and Reservoir Surveillance

**General:** Core and PVT – Log Validation and Reservoir Understanding

**SpOrSe:** Digital Rock Physics for Formation Evaluation: Are We There Yet?

**General:** Data Analytics – Gains and Limitations

**SpOrSe:** Preparation for the Energy Transition – What We Have, What We Need for Evaluation and Monitoring

**General:** Formation Testing – Reservoir Dynamics and Fluid Characterization

**General:** (2) Geosteering / UDAR Well Placement for Optimal Completion

**SpOrSe:** (2) Latest Innovations in Ultradeep Azimuthal Resistivity for 3D Applications

**General:** Imaging Technology and Applications – Beyond Dips

**General:** (2) Integrated Openhole Formation Evaluation

**SpOrSe:** Multiphysics/Multidisciplinary Core to Reservoir Models

**General:** (2) New Technologies / Applications

**General:** NMR Technology and Applications – Pores and Fluids Distribution

**General:** (2) Nuclear Technology and Applications – Mineralogy, Fluids, and True Porosity

**General:** Surface Data Logging – Rock and Fluid Analysis

**Authors**, please note that you should submit your presentation by **May 1, 2024**, to [stephanie@spwla.org](mailto:stephanie@spwla.org) to be reviewed by your session chairs. Presentations not received by this deadline will be deleted from the program.

A note on your trip planning – Confirm your registration and book your rooms at the Sheraton Grand Rio Hotel & Resort. This link will direct you to the Symposium and Workshop registration and hotel reservations. [SPWLA 65th ANNUAL SYMPOSIUM](#). As of today, the visa requirements for US, Canadian, and Australian citizens have been postponed until 2025. Please check if you require a visa and if you will be able to attend to present your paper. [Brazil Evisa | Tourist eVisa \(vfsevisa.com\)](#). Only the author, coauthor, or previously approved speaker can present a paper.

Once again, thank you for your enthusiastic support. This is what makes SPWLA a great organization in which to share knowledge. Harry and I look forward to seeing you in Rio at another great symposium.

As a final note, I am honored to be elected by the membership as the next President-Elect. I look forward to working closely with Iulian Hulea and the Board of Directors to continue the growth of SPWLA and SPWLA student chapters and finding ways to reach more of our members and share the immense amount of knowledge within our collective community. We will remain a key component of the oil and gas industry and critical for subsurface understanding for the energy transition. Thank you for your support.

Regards,  
Robert H. (Bob) Gales  
2023–2024 VP Technology



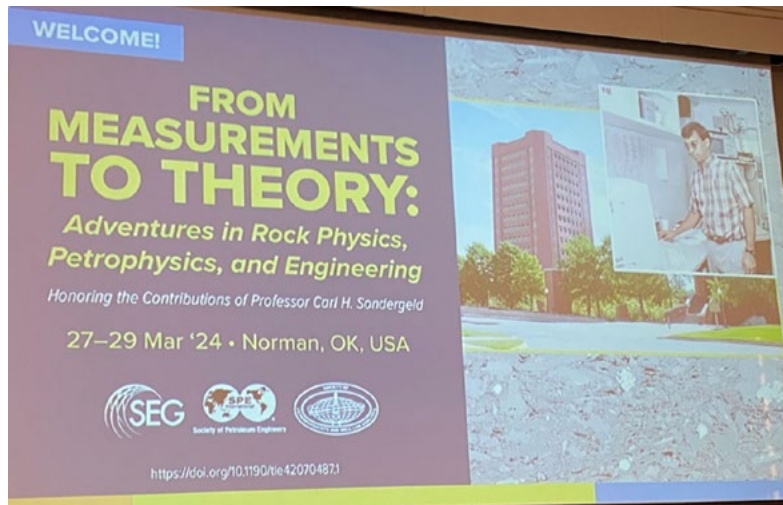


**Harry Xie**  
2023–2024 Vice President  
Technology-Elect

Dear Colleagues,

I trust that we are all eagerly anticipating the exciting and enthusiastic annual symposium in Rio De Janeiro, Brazil, in a few short weeks, where we will be immersing ourselves in a vibrant atmosphere filled with like-minded colleagues, cutting-edge research discoveries, and engaging in-depth technical discussions. As we prepare for the upcoming symposium in Rio, Bob and I express our sincere gratitude and appreciation to our technical committee members for your dedication and the quality of the work performed. In the meantime, I am reaching out to extend a special invitation to you to join our next technical committee 2024–2025 and play a vital role in making your contributions to the society. We are seeking individuals like you who are passionate about our society and committed to making a positive impact. Your unique technical insights and contributions will be invaluable as we work together to address complex issues and create a better future for all. If you're interested in joining our technical committee or would like more information, please come see me at the symposium or drop me an email at [VP-Technology-Elect@spwla.org](mailto:VP-Technology-Elect@spwla.org) (before the symposium) or by other means. We would be delighted to welcome you aboard and embark on this

journey of collaboration and impact together.



I would also like to report on a recent workshop co-sponsored by SEG / SPE / SPWLA at the University of Oklahoma, honoring the career and legacy of Dr. Carl Sondergeld. To show our strong support, three SPWLA board members, Jing Li, Stephanie Perry, and I, attended the well-organized workshop sponsored by several industrial partners. The 3-day workshop was well attended, with a peak audience size of around 100 participants. The presentations and posters covered a broad range of topics that were of interest to Dr. Sondergeld, ranging from measurements at the pore scale to the understanding of seismic reflection and reservoir performance, from geophysics, geomechanics, and petrophysics, grounded in a substantial multiscale data set that enabled integration. More importantly, not only did the technical presentations stimulate in-depth discussion, but

also the stories and fond recollections were from many about the impact that Dr. Carl Sondergeld had on student learning and their personal growth. We were amazed by how many he impacted during his academic career. RIP, Dr. Carl Sondergeld.

Yours sincerely,

Harry Xie  
2023–2024 SPWLA VP Technology-Elect  
[VP-Technology-Elect@spwla.org](mailto:VP-Technology-Elect@spwla.org)



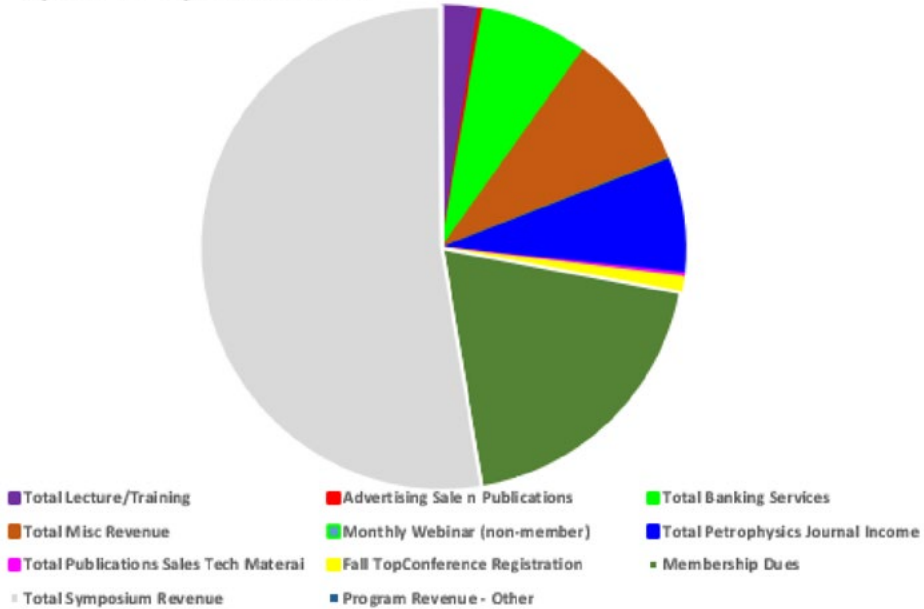


Jing Li  
2023-2025 VP Finance,  
Secretary, and  
Administration

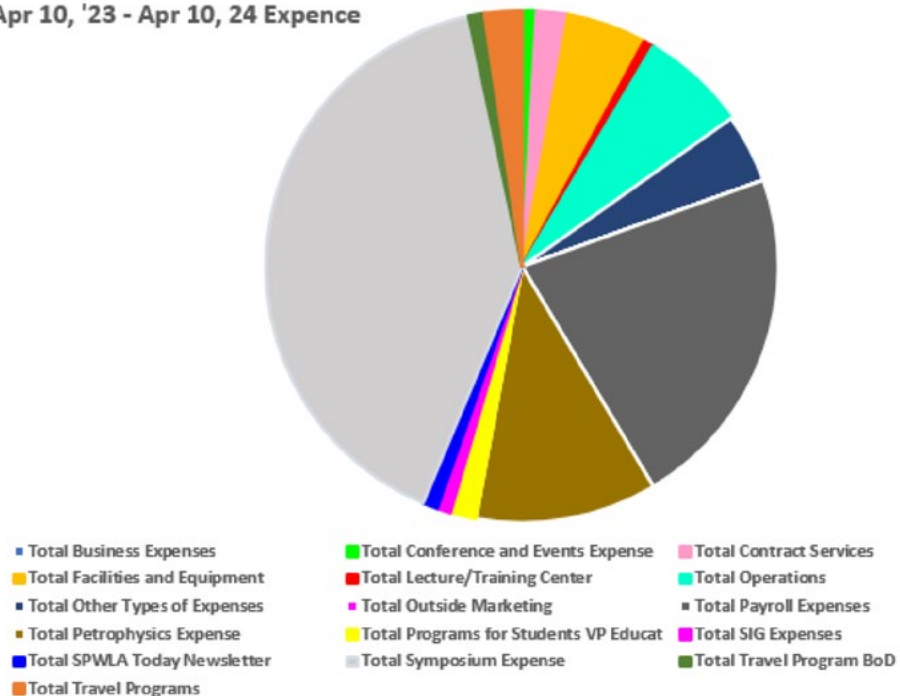
Dear SPWLA colleagues,

The financial status of the SPWLA has been steadily growing and remains healthy. The total assets in April 2024 increased by 13% compared to April 2023. Below are the pie charts in percentages that show the income and expenses for the period between April 2023 and April 2024.

Apr 10, '23 - Apr 10, 24 Income

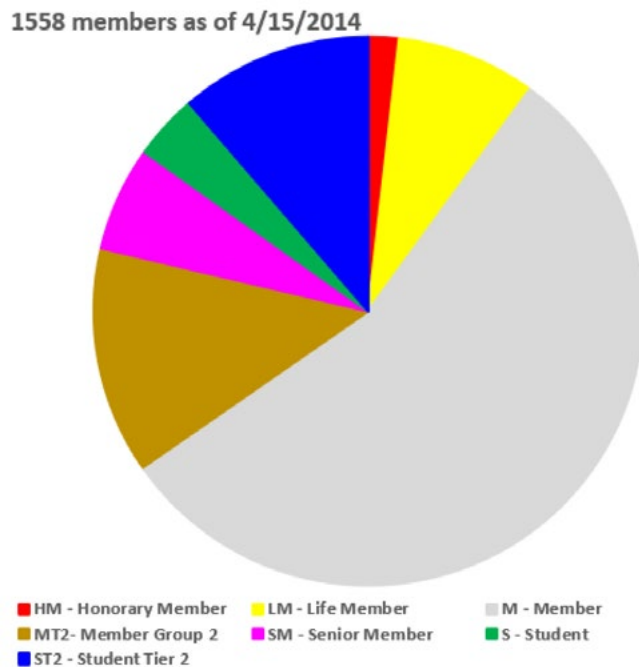


Apr 10, '23 - Apr 10, 24 Expence



## Financial Times

As of April 15, 2024, 27 copies of printed *Petrophysics* journals have been sold, and the society has 1,558 members. Below are the percentages for different categories:



We are currently working on organizing the 2024 SPWLA Brazil Annual Symposium. Our office is in communication with the Brazil Conference Committee to ensure everything runs smoothly. At the time of writing this column, we have received over 100 registrations, sold more than 100 hotel rooms, and have about 20 exhibitors and more than 10 sponsors. Please let us know if you are interested in attending the conference, field trip, or workshops. Additionally, if you would like to become an exhibitor or sponsor, please don't hesitate to contact us.

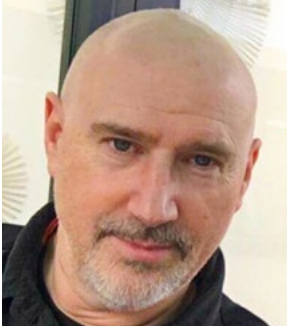
We are also open to hearing any ideas you may have for new sources of revenue. Our goal is to work together towards a brighter future for everyone involved.

Sincerely,

Jing Li

2023–2025 VP of Finance, Secretary, and Administration

VP-Finance@spwla.org



**Dr. Tegwyn JP Perkins**  
SPWLA 64th President  
2024–2025 SPWLA VP  
Information Technology

Oh, no. It's him again. Tom Bradley started the year as VP IT, but due to a heavier-than-expected workload, including hectic SPE Distinguished Lecturer tours, he has stepped aside. President Jennifer Market has asked me to fill the position until it's up for election again.

And it's been a busy start!

Once upon a time, we used to have a separate website for the annual symposium. I wrote one for SPWLA 2009 in The Woodlands, TX (all in HTML!) and then migrated to WordPress for future US-based events when I assumed the role of VP IT the first time around. I also became responsible for abstract submissions, and that has gone through multiple incarnations since then. We stopped using SPWLA20XX.com when SPWLAWorld.org became its own website with its separate login credentials. This was purely in response to certain limitations associated with the SPWLA.org website.

The plan has always been to return to a single platform with a single sign-on for all activities. And I'm glad to announce that the board—with Tom Bradley aboard—has started down that path by signing an agreement to upgrade our existing SPWLA.org website to the latest iMIS EMS platform.

iMIS is the company that makes our membership database and, since our last upgrade in 2017, has made significant progress in building a viable platform for integrating many of the features we were building and maintaining on the sister platform. We are still evaluating the next steps, but I hope to have a clear path by the time my next article appears. Please stay tuned!!

Dr. Tegwyn JP Perkins  
SPWLA 64th President  
2024–2025 SPWLA VP Information Technology

## Learning Opportunities



**Kelly Skuce**  
2022–2024 Vice President  
Education

### Hello SPWLA Colleagues,

Hey, All! I hope everyone is getting hyped up for the Annual Symposium in Rio de Janeiro! I am eager to hear the student presentations during the **International Student Paper Competition**.

The finalists have all been chosen by a panel of expert judges from the petrophysical community and will present on Sunday, **May 19, 2024**, prior to the start of the SPWLA Annual Symposium in Rio de Janeiro, Brazil.

The finalists are divided into two categories: Doctorates and Masters/Undergrads.

Franklyn Angel	Synthetic Fractional Flow Curves Based on Continuous Well Logs in Heavy Oil Reservoirs	University of Houston
Abubakar Isah	CO <sub>2</sub> Mineralization in Anhydrite-Rich Rocks: Implications for Subsurface CO <sub>2</sub> Storage	King Fahd University of Petroleum and Minerals
Durra Handri Saputera	Adaptive Quasi-Newton Inversion of Electromagnetic Induction Logs for Subsurface Imaging While Drilling	University of Bergen
Abdulmalek Ahmed	A Novel Method and Solutions to Evaluate and Minimize the Segregation of Heavy-Weighted Oil-Well Cement Under HPHT Conditions	King Fahd University of Petroleum & Minerals
Aman Raizada	Potential for Quantifying Time-Resolved Saturation Distributions in Highly Heterogeneous Formations Using Pulsed-Neutron Logs	Department of Energy Science and Engineering, Stanford University
Gabriel Gallardo	Estimation of Thomsen's Anisotropy Parameters in a Single Core Integrating Phase and Group Velocities Along Confining and Deviatoric Stress-Paths	The University of Texas at Austin
Abdelaziz Elyasa Elsadig Moh-Ali	Innovative Application of Thermochemical Fluids: Enhancing Hydrocarbon Productivity by In-Situ Maturation of Organic Rich Shale	King Fahd University of Petroleum & Minerals
Sarah Aleixo	Machine Learning Applied to Facies Classification Using Conventional Logs and Image Logs From the Atapu Field, Santos Basin	Universidade Federal do Rio de Janeiro
Guilherme Oliveira	The Influence of Electrical Parameters on Water Saturation and the Impact on Net Pay Estimates in the Presalt Atapu Field	Universidade Federal do Rio de Janeiro
Mohammed Alyousef	Enhancing Wettability Alteration With SiO <sub>2</sub> Nano-Surfactant Formulations: NMR Insights for Hybrid EOR in Harsh Reservoir Conditions	King Fahd University of Petroleum and Minerals
Daniela Mejia Jaramillo	Identification of Remaining Oil Volumes in Low-Quality Sands in the Lower Carbonera Formation by Implementing a Predictive Model Using Geospatial Distribution Algorithms	Universidad Industrial de Santander
Anngy Daniela Roman Ortega   Stefany Gabriela Penaranda	Evaluation of Petrophysical and Geomechanical Properties of the Illinois Basin Decatur Project Eeservoir for Safe CO <sub>2</sub> Storage	Universidad Industrial de Santander

If you see your name listed above, and you have not heard from the SPWLA, please contact us ASAP at: [vp-education@spwla.org](mailto:vp-education@spwla.org) and [sharon@spwla.org](mailto:sharon@spwla.org). In the interest of space, only the presenter and their institution of study are listed. If you want to learn more, I suggest you come out to see the presentations!

## Learning Opportunities

All questions can be sent to me at [vp-education@spwla.org](mailto:vp-education@spwla.org) or to [papercompetition@spwla.org](mailto:papercompetition@spwla.org), where Gisela and I will be able to help answer them.

Kelly Skuce // SPWLA VP Education, 2022–2024

Gisela Miranda de Souza Almeida // Chair of 2024 SPWLA International Student Paper Contest

Keep on learning,

Kelly Skuce

2022–2024 VP Education



Chelsea Newgord  
2023–2025  
VP Communications

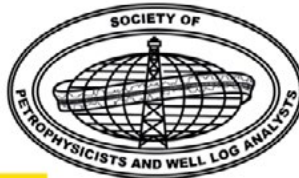
Hello SPWLA colleagues,

I'm looking forward to the SPWLA 65th Annual Symposium in Rio de Janeiro on May 18–22, 2024. Follow SPWLA on social media to stay informed about all the activities! We will post updates on Instagram/Facebook stories, X, and LinkedIn.

The SPWLA Annual Meeting app will also be available for people attending the symposium. This includes information on the agenda, exhibition events, sponsors, and notifications that can be sent through this app.

Follow and connect with SPWLA on your favorite social media platforms!

Follow SPWLA on all our  
social media platforms!



~Chelsea Newgord  
2023–2025 VP Communications  
[VP-Communications@spwla.org](mailto:VP-Communications@spwla.org)

# Regional Understandings–North America 1

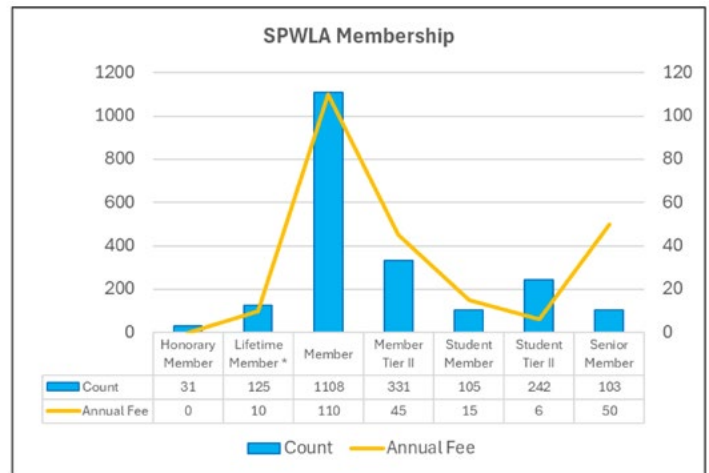
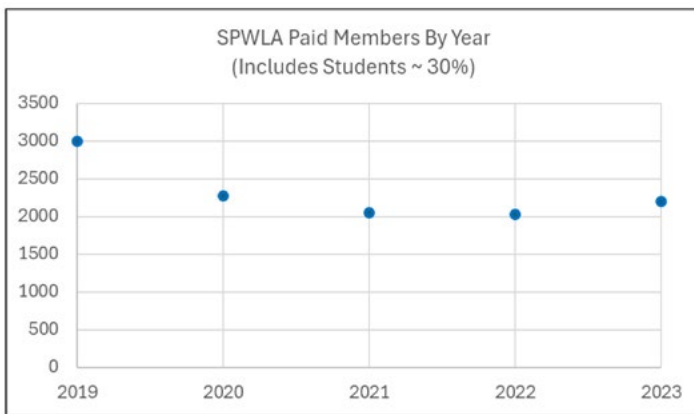


**Javier Miranda**  
2022–2024 North America 1  
Regional Director

This will be my last column as your SPWLA North America Director for Region 1 2022–2024. Although 2 years flew by, I feel we were able to accomplish most of the goals I had in mind when I took over. However, I feel there is still so much to do, and for that, I wish all the best to James Hawkins, my successor. I also want to thank SPWLA, the nominating committee led by Past President Tegwyn Perkins, and all of you for your consideration of my past nomination, support, and vote! It was a true honor to be considered to continue serving our professional society. Some colleagues and friends have already called asking what my next steps will be. I have observed two paths in the last few decades after the elections. One group of candidates would never run again and even leave the society, and a second group who stay involved in different committees, SIGs, local chapters, and other initiatives and eventually try again. I do not want to give names, but I feel more inclined to follow the latter group. I am still involved in several activities, such as the Hydrocarbon Resources SIG, Houston Chapter, Technology Committee, *Petrophysics* journal, the *SPWLA Today* newsletter, student chapters, etc., and I doubt I will catch a break! Maybe in the future, I will run again for

another position. In the meantime, I feel happy with the members you have chosen to lead SPWLA in the upcoming year. Congratulations to all of them on winning the election. I wish them all the best in their new positions because their success will be that of SPWLA! I am sure Julian and his team will do a great job, and hopefully, we will continue our collaboration.

I want to share a few numbers and plots from this past election. First, we all know that SPWLA, like all other professional societies, took a big hit from the COVID pandemic, with our total numbers going from approximately 3,000 to 2,045 by 2023YE. However, we only had participation of up to 466 members voting, which is less than a quarter of our current total membership, as shown in a couple of plots below! What can we do to incentivize members to participate more in general elections? I have always thought this is one of my best benefits as an SPWLA member—to have the capacity to choose my leadership, unlike other sister societies that operate under different regulations. I think the election results are clear; however, I hope to see a higher participation rate in future elections.



\*Lifetime members pay a one-time fee of \$300.

The annual symposium is approaching, and we continue planning all activities, including technical agenda and workshops. Bob and Harry continue their work to offer us an excellent technical agenda for the conference in Rio, where I hope to see many of you. Please make your plans to attend and register if you have not done so yet.

I am very honored to organize Workshop 8, “Petrophysics Surveillance – Technologies & Best-in-Class Applications,” on Sunday with a great group of colleagues: Gerardo Cedillo (BP America, Inc.), S. Mark Ma (Saudi Aramco), Laurent Mosse (SLB), David Chance (Baker Hughes), Monica Guerrero (Baker Hughes), and Michel Claverie (Consultant). Unfortunately, Mark and Michel cannot join us this time. However, they are workshop authors who graciously agreed to contribute to the training and help prepare the material. Please register to have a great learning experience. We have excellent content and exercises with practical applications. The workshop will be for petrophysicists, as well as reservoir engineers, geoscientists, and production

## Regional Understandings—North America 1

engineers. We will cover the aspects of essential data acquisition, processing, interpretation, and integration. Unlike formation evaluation, which often is static in nature, a key feature of dynamic reservoir surveillance is the necessity of gathering and understanding the history of the study well/reservoir to diagnose its current status and performance, like a family doctor, who is required to possess a specialist in-depth expertise as well as a generalist breadth of a variety of subjects. For more information, including registration, technical program, hotel reservation, etc., check the following link: [SPWLA 65th ANNUAL SYMPOSIUM](#)

Speaking of Rio 2024, Brazil has suspended visas for US, Australian, and Canadian citizens until next year, so it will be even easier to participate in this year's conference. **Let's work hard in the final stretch to have an excellent SPWLA International Annual Symposium in Rio de Janeiro!**

Houston remains the most important center for petrophysics and energy in general. The Houston Chapter offers multiple monthly activities reflecting that vibe with lunch seminars and frequent networking events. I want to invite you to participate in some or most of them. They host the now well-known monthly networking event every last Thursday of the month at the same location and time (5 to 8 pm at Cedar Creek Bar & Grill, 1034 West 20th Street, 77008), which has been a success. The entire SPWLA community is invited; there is no need to RSVP, so join us even if you are in town for a visit. Come at your leisure; no payment is required. Come and mingle with fellow petrophysics enthusiasts. These social events have become a tradition in Houston and are well attended by petrophysicists, geologists, geophysicists, engineers, and managers. You can also expect to see current and past SPWLA International board members and recognized names in our industry, including SPWLA Distinguished Speakers and past awards winners! I invite you to register or check their website to stay tuned for what is going on in each section during May and June: [Houston SPWLA Chapter Society of Petrophysicists & Well Log Analysts - \(spwla-houston.org\)](#)

The University of Texas at Austin and the University of Houston Student Chapters hosted their internal student paper competition, and now they have their representatives for the ISPC. They also received funds from SPWLA International to support these activities. I heard from the Louisiana State University Student Chapter last month that they have a new board that hopefully will bring new ideas and activities to the area. I also hope my successor can get some news from other dormant student chapters. I wish I had more time to visit these universities.

I was very busy with work during the last couple of months, and part of that was some business trips. I always (if possible) use these trips as an opportunity to visit some of the local SPWLA chapters or members wherever I go. As part of that, I was in India and France, where I interacted with some local members. In France, I was lucky to coincide with their carbon capture and sequestration (CCS) workshop, a very successful event. I want to thank Emmanuel Caroli, Samira Ahmad, Nadege Bize-Forest, Jacques Delalex, and the entire SPWLA France Chapter for hosting such a great event and for their kind invitation. I wish them all the best and bet they will host a future SPWLA annual symposium soon, especially since it is the oldest chapter outside the USA. By the way, in 2027, it will be the century anniversary of the first well log in France's Pechelbronn Field on September 5, 1927, by those famous brothers who formed "Société de Prospection Electrique" and began to develop the theory that adding resistivity information from deeper formations would increase the effectiveness of their surface prospecting. Several pictures below show a summary of my visit.

In India, I had the opportunity to work with some colleagues contributing to the energy search and production in this big country with a great future. According to the International Trade Administration, India is the third-largest energy consumer in the world. Nearly 80% of the total electricity generated (utility and captive) in India is from coal, and it is the primary source of the nation's greenhouse gas emissions. We should expect natural gas to play a significant role there as a cleaner energy source, hence the efforts from local companies to explore and bring new opportunities, especially with the expected growth.

The world is changing rapidly, and SPWLA must be part of such evolution. We need a dynamic and adaptable society to tackle the present and upcoming challenges, such as those associated with the energy transition. This process will not be instantaneous, and our oil and gas industry will play a key role in a smooth transition without disrupting the energy supply while achieving the net zero goal in a reasonable time. Several other pictures below offer a glimpse of my visit to India. I was pleased with the excellent hospitality of people in India. Delhi offers a great variety of places to stay, where you can also enjoy local experiences. I hope to see a future SPWLA event there, especially considering the high number of petrophysicists and energy professionals in the country, where Jennifer Market, our current president, attended a successful event hosted by the India Chapter.

Finally, I want to thank the North America Region 1 professional and student chapters for their support and collaboration during the last couple of years. We could not achieve what we did without your hard work, talent, and dedication, which was



## Regional Understandings–North America 1

the annual symposium in Lake Conroe in June 2023, our most important event, among dozens of others, held between 2022 and 2024. I want to especially recognize the Houston Chapter and the University of Texas at Austin and the University of Houston Student Chapters for their dedication and work.

I also want to thank my fellow 2023–2024 board members Jennifer M., Iulian, Bob, Harry, Kelly, Stephanie, Jing, Tom, Tegwyn, Chelsea, Clara, Mathias, Jennifer D., Nelson, and Yuki, as well as 2022–2023 board members Tegwyn, Jennifer M., Iulian, Kelly, Adam, Stephanie, Harry, Mathilde, Matt, Nelson, Eva, Jennifer D., and Ryan for their support, camaraderie, and work. Last but not least, I also want to express my gratitude to Sharon Johnson (SPWLA Executive Director), Stephanie Turner (SPWLA Office), and Elizabeth Naggar (SPWLA Managing Editor) for all their help, guidance, and hard work during these couple of years supporting me. SPWLA 2023 would not have been the success it was without them, not to mention what we publish every month, among other initiatives.

Let's stay strong during 2024, continue being involved in your local and international activities and professional and student chapters, **volunteer, and join SPWLA initiatives if you have not done so. Let's continue contributing to SPWLA on all fronts!**

Feel free to contact my successor, James Hawkins, at his official email address below for any recommendations, ideas, questions, etc. I will stay around, and you know my contact information, which I will not share here due to so many scammers around these days.

See you soon!

Javier Miranda

2023–2024 North America Region 1 Regional Director

[Director-NA1@spwla.org](mailto:Director-NA1@spwla.org)



SPWLA France Chapter hosted their in-person event on CCS at the Société Géologique de France, Paris.



Part of the SPWLA France Chapter board that organized the seminar.

## Regional Understandings–North America 1



Here with Emmanuel Caroli, SPWLA France Chapter President and Head of Well Data Interpretation Innovation for Total Energies.



Here with Jacques Delalex, former SPWLA France Chapter President and still a very active member.



SPWLA France Chapter usually hosts its events at the Société Géologique de France, Paris.



Visiting Delhi, India, where lots of energy will be required to support the country's development.



Visiting the Taj Mahal, an immense mausoleum of white marble, built in Agra, India, between 1631 and 1648 by order of the Mughal emperor Shah Jahan in memory of his favorite wife, is a UNESCO World Heritage Centre today.



I was pleased with the excellent hospitality of people in India.



Delhi offers a great variety of places to stay where you can also enjoy local experiences. I hope to see an SPWLA event there in the future.



A combination of France and India, enjoying an excellent Assam tea at home with my SPWLA France mug.

## Regional Understandings—North America 2



**Clara Palencia**  
**2023–2025 North America 2**  
**Regional Director**

Dear SPWLA members,

Time really flies, especially when you are having fun! It is already summer again, and I have had the honor to be in this position for almost a year. It has been a pleasure to have the opportunity to be close to several chapters in North America. I have met extraordinary people who are passionate about petrophysics and eager to show the new generation the important role our discipline plays in the energy industry. My region includes Permian, Denver, Oklahoma, New Orleans, Tulsa, Boston, and Bakersfield.

All the chapters are doing an extraordinary job for the SPWLA, keeping the talks, lunch and learn sections, and webinars rolling. It is not an easy task, considering the officers have full-time jobs, and they are busy.

I want to express my gratitude to Veronica Montoya, Andrew Anderson, Jon Roberts, Andrew Barry, and James Jennings Howard for letting me be a part of their lunch and learn sections. Also, thanks to the speakers who are committed to presenting highly technical and applicable talks. We have been able to have a 2024 Distinguished Lecture Speaker in four different cities: Houston, Boston, OKC, and Tulsa. Thanks to Distinguished Speaker Jie Wang for her willingness to travel and for supporting the SPWLA by being in person for the members.

I'm really proud of the work Dr. James and his board are doing in Tulsa, which, for all of us, has a very important meaning for the SPWLA because it is the city where the society started 65 years ago.

Student chapters are very special to us, too. We encourage them to keep the ball rolling, participate in the student chapter competition, and organize new initiatives like joining efforts between different societies. Thanks to the University of Oklahoma and to Jason Scharoun, the current president, and his team for getting involved in all our general meetings.

Now, the symposium is right around the corner, and everybody is really excited about the technical talks, poster sections, student paper competition, networking events, and, of course, Rio de Janeiro!

I am sure I will see a lot of friends and enjoy a Caipirinha together!

Big hug,

Clara Palencia

2023–2025 North America 2 Regional Director



**Nelson "NSA" Suarez  
Arcano  
2022–2024 Regional Director  
Latin America**

My dear Latin America. This will be the last time I write to you as Regional Director. So much has happened at the SPWLA since I became Regional Director in 2020 for MEA. Time flies, and we are just days from the annual symposium, the most important SPWLA technical and networking event. This year, it is happening in Rio de Janeiro!

Brasil, Argentina, and Colombia continue to be strong professional chapters. Many thanks for all the experiences that we have had these 2 years. You have so many good professionals who are also high-quality people. Preserve that! It is the key to our society. It was really an honor being your voice in front of the Board of Directors. Regarding new chapters, Suriname and Trinidad and Tobago have shown genuine interest that they will become a reality this year. Mexico, we need more time, but the interest is there. Peru/Ecuador will need to be revamped.

I have nothing but good words to say about the student chapters. Working with you as your guide in this transitional chapter of your lives between student and professional was also an honor. Argentina, Brasil, and Colombia UIS, it was really enjoyable to have each interaction. Many thanks for the many presentations I was invited to attend. I dedicated that time with my heart to fulfill our mission in the SPWLA, which is to spread knowledge.

LATAM cannot be in better hands now that Marta D'Angiola has been elected. I remember the first time I heard about her work in Argentina. I was in Dubai during COVID times, and the level of organization (swiftly from in-person to virtual) was magnificent. All the best, Marta!

My final message is that I will take a sabbatical year from SPWLA, deserved after 4 years of continuous service, but you can still count on NSA for the future. Until then... Muchas Gracias e Moito Obrigado!!!

Saludos / Regards / Saluti / Saudades / Salam

Nelson "NSA" Suarez Arcano

2022–2024 SPWLA Regional Director LATAM



**Mathias Horstmann**  
2023–2025 Europe  
Regional Director

### Dear SPWLA Community,

I hope you all managed to have some quality time off during the Easter break and Eid – now being back at your desks refreshed and full of energy and ideas!

Our SPWLA Event Calendar has been filling up over the last few weeks. If you go to the events tab on the SPWLA.org website, you'll now be able to see a calendar of global events and a selection of European events that are accessible online, too.

During conversations with the European chapters, I understand that now many dial in to sessions outside the local chapters or even time zones. This globalization of teaching and learning is certainly something we encourage – while not missing the in-person meetings and networking in your locations!

**To Spotlight European Chapter** events, I want to start with the SPWLA France Chapter, also known as SAID, the Société pour l'Avancement de l'Interprétation des Diagraphies, which was established back in 1966.

Over the past years, this chapter has evolved its technical program beyond traditional oil and gas interests to encompass emerging energies like carbon capture and geothermal. With dynamic leadership, they host monthly seminars featuring industry experts, covering topics from carbon capture to nuclear measurements, which engages attendance numbers never—or at least for a very long time—seen in France. By embracing new technologies and inviting such diverse voices, they're shaping the future of formation evaluation and petrophysics in France and continental Europe.

One of their next major events is a **Geothermal Energy Seminar on June 28 in Clarmart**. The seminar covers sessions related to the transition from oil and gas to the exploration and screening of thermal prospects and the required maintenance, monitoring, and possible interventions. Project execution and operations are reflected from a geothermal business and economical aspect, too. If you are interested in this workshop, the call for abstracts is open until May 15, and you can find more information under [spwla-france.fr](http://spwla-france.fr). I wish SAID much success in attracting attention for this session!



Later this year, but on a large scale, the Norwegian Formation Evaluation Society (NFES) will host the Stavanger Geosteering Workshop for the third time on **November 11–13, 2024**, keeping a local focus but clearly with global perspectives. The workshop is hosted with NORCE, an independent research institute in Norway. It covers advancements in ultradeep azimuthal resistivity (UDAR) technology and its interpretation, including new inversion and fast-forward algorithms that use AI and machine learning for interpretations.

There will also be sessions on workflows for no-UDAR geosteering and new-energy low-cost operations, geosteering for geothermal, CO<sub>2</sub>, and hydrogen storage projects, and civil boring. Another session discusses advancements in general formation evaluation to reduce subsurface uncertainties, with a spotlight on post-job workflows to utilize the acquired data and its incorporation into geological models through cross-discipline approaches. Please submit your abstracts now. Further information can be found under [nfes.org/events](http://nfes.org/events) – Velkommen til Norge!



The London Petrophysical Society will host an all-day seminar on **Integrating Petrophysical Products with Uncertainty on June 6, 2024**. This takes place as a hybrid all-day seminar and covers areas related to petrophysics for geomodeling, quantifying uncertainties and ranges for static and dynamic predictions, or upscaling properties. Also, tool uncertainties and the propagation of those throughout the data “life cycle” from acquisition to dynamic modeling are taken on, and a discussion on “what other disciplines” need and want from petrophysics! The call for abstracts is also open, and information can be found under [lps.org.uk/lps-events](http://lps.org.uk/lps-events)!

## Regional Understandings–Europe

Last but not least, AFES – the Aberdeen Formation Evaluation is part of DEVEX again, which, for over 20 years, has been a technical conference that focuses on the entire E&P project cycle, from exploration, appraisal, development, and production, through to CCUS and decommissioning. The two-day event on May 28–29 will focus on “Steering the Net Zero Race” and is packed with keynote and technical presentations, master classes, and panel discussions on the topic. Plus, you will be able to attend the annual field trip, YP events, and networking receptions if you want to liaise with other industry professionals. AFES, as co-host, together with SPE Aberdeen and the Geoscience Energy Society of Great Britain (GESGB), looks forward to welcoming geoscientists, petroleum engineers, all young professionals, and students to the **21st DEVEX Conference in Aberdeen!** Information for more events can be found at [afes.org.uk/whatson](http://afes.org.uk/whatson).



You see, Europe has a great variety of events this year. Join them in person or connect online in hybrid events to broaden your horizons!

Finally, I look forward to seeing many of you at the 2024 Annual Logging Symposium in Rio – a great European delegation that will hopefully go transatlantic. Até logo!

Keep well, and stay tuned!

All the best,  
Mathias

Mathias Horstmann  
2023–2025 Europe Regional Director  
[Director-Europe@spwla.org](mailto:Director-Europe@spwla.org)



**Jennifer Duarte**  
2022–2024  
Middle East/Africa  
Regional Director

Dear SPWLA members,

This will be my last column as Regional Director for the Middle East and Africa for the SPWLA. As you may have seen in recent communications from SPWLA, members have cast their votes for the new board for the term 2024–2025. I would like to congratulate **Elsa Maalouf** on her election as the new Regional Director for the term 2024–2026. I will start the handover process with her shortly, and I am confident that she will be fully up to speed following this year’s symposium. I’m looking forward to providing her with any support she may need from Dubai and fostering collaboration throughout the region.

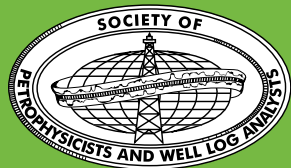
Reflecting on the journey over the past 2 years, I realize it has been an incredible privilege to serve in this capacity. In the Middle East, we have established two new professional chapters in the region (**SPWLA Iraq** and **SPWLA Algeria**), marking an expansion of our reach and impact. Both chapters have been actively hosting webinars online and reaching out to their members locally. Interacting with each of our local chapters, I have witnessed firsthand the passion, commitment, and determination that drive our society forward at the local level. Our local chapters serve as vibrant hubs of activity, innovation, and collaboration among our members. Their dedication is remarkable, from organizing engaging events and workshops to facilitating knowledge sharing.

I want to express my deepest gratitude to the past and present board members. I have learned so much from everyone who has served on the board during my tenure, and I will forever cherish this experience. Additionally, I extend my sincere appreciation to all the chapter leaders in the Middle East and Africa – **SPWLA Saudi Arabia Chapter (SAC)** and **student chapters in Saudi, SPWLA Oman, SPWLA Abu Dhabi, SPWLA Dubai, SPWLA Qatar, SPWLA Iraq, SPWLA Algeria**, and last but not least **SPWLA Nigeria** – for their support and trust over the past 2 years. I’m excited to witness the continued success and prosperity of all the chapters in the region in the years ahead.

It has been a privilege to serve on the board. Thank you for the honor!

Best Regards,  
Jennifer Duarte  
2022–2024 SPWLA Middle East and Africa  
Director\_me@spwla.org





## SPWLA Paper of the Quarter Series

May 2024

2024 Steering  
Committee

*Editors*

Ishank Gupta

Issa Haddad

Javier Miranda

Clara Palencia

*Senior Editor*

Nelson Suarez Arcano

SPWLAYP@SPWLA.ORG

*In this edition:*

SPWLA Paper of  
the Quarter Series

Welcome Issa Haddad

The SPWLA Paper of the Quarter Series highlights relevant and impactful papers published by the SPWLA. We encourage readers to nominate any papers they have enjoyed and would like to see summarized in the next issue. Nominations should be sent to [SPWLAYP@spwla.org](mailto:SPWLAYP@spwla.org).

**Title:** Evaluating the Usefulness of Least Squares Regression in Petrophysics Interpretation

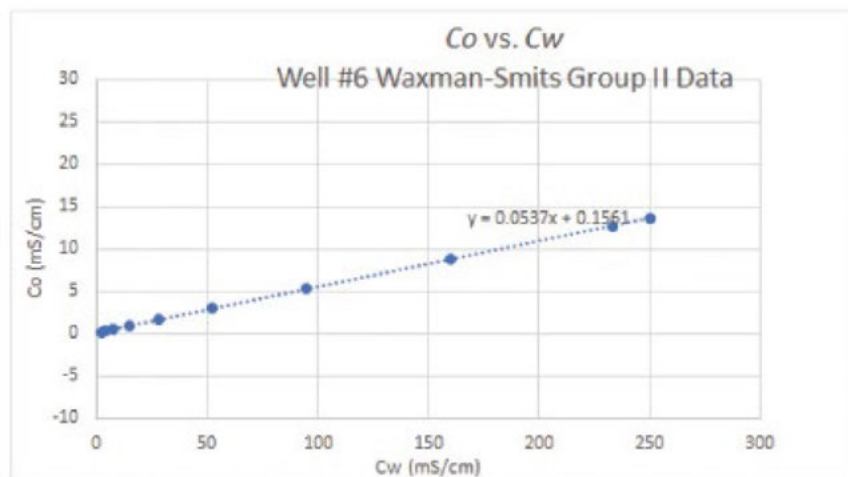
**Authors:** Lee M. Etnyre

**Summary:** The paper highlights the limitations of conventional statistical methods, such as R-squared, F-statistic, and standard error of regression, in reliably assessing the usefulness of least squares results. It introduces the Singular Value Decomposition (SVD) method coupled with the Relative Error Bound (REB) as a more reliable tool for this purpose. This approach not only improves the evaluation of least squares results but also enhances principal component regression by providing a more accurate indication of which components to retain.

In well-log crossplotting techniques, the REB may fail to determine correct matrix parameters with linear least squares models. However, this failure is mitigated when using nonlinear models, provided the correct values for certain parameters are used. The paper recommends robust nonlinear models, particularly for matrix density problems, over linear regression models, which also suffer from similar issues with conventional statistical methods.

While the linear model's failure to detect correct matrix density poses challenges, these can be addressed by leveraging additional knowledge or utilizing techniques such as the Pickett plot version of the crossplot. However, for accurate porosity information, employing a robust nonlinear model alongside computing the REB for logarithmic transformations is advisable. Overall, the paper advocates for the adoption of robust nonlinear models and the integration of REB computation for more accurate and reliable results in various applications.

The below figure shows an interesting application of the SVD analysis method with REB to the Waxman-Smits Shaly Sand Conductivity data. In the data, conductivity of a water-saturated rock is being predicted as a function of electrolyte conductivity  $C_w$ . Even though the fit looks perfect, caution must be exercised as the x-axis scale is highly amplified, or, in other words,  $C_o$  changes very little with the  $C_w$  curve.



To prove the point, the author carries out multiple regressions using different subsets of the same data set and summarizes them in the table below. He used Microsoft’s LINEST function to run regression. For each LINEST result, the author establishes a value for the porosity exponent  $m$  from the logarithm of the slope (first estimated parameter) divided by the logarithm of the porosity (which is given as 0.215 for Well No. 6). The author also establishes a value for the counterion equivalent conductivity in units of mS/cm,  $C_x$  from the following equation using the  $y$ -intercept (second estimated parameter) and the slope (first estimated parameter). The table shows large variation in estimation of  $C_x$  from a seemingly straightforward data set. The author pointed out that using the first six data points gives the best result. The paper further discusses using SVD analysis to help determine best fit regression.

**Table 11—Microsoft Excel LINEST Regression Results for a Sequence of Data Points**

LINEST FIRST 4 POINTS		LINEST FIRST 5 POINTS		LINEST FIRST 6 POINTS		LINEST FIRST 7 POINTS		LINEST FIRST 8 POINTS		LINEST FIRST 9 POINTS		LINEST ALL 10 POINTS	
0.0534	0.2184	0.0534	0.2242	0.0534	0.2146	0.0535	0.1997	0.0536	0.1860	0.0537	0.1698	0.0537	0.1561
0.0001	0.0216	0.0001	0.0119	0.0001	0.0095	0.0001	0.0117	0.0001	0.0130	0.0001	0.0158	0.0001	0.0168
1.0000	0.0138	1.0000	0.0116	1.0000	0.0123	1.0000	0.0185	1.0000	0.0241	1.0000	0.0331	0.9999	0.0390
2.3E+05	2	6.3E+05	3	8.2E+05	4	4.7E+05	5	3.3E+05	6	2.0E+05	7	1.6E+05	8
44.11	0.000378	83.89	0.000402	124.24	0.000605	160.91	0.001717	192.50	0.003495	219.34	0.007664	241.91	0.012194
M =	1.91	M =	1.91	M =	1.91	M =	1.90	M =	1.90	M =	1.90	M =	1.90
CX =	4.09	CX =	4.20	CX =	4.02	CX =	3.73	CX =	3.47	CX =	3.16	CX =	2.90

We hope Bridge readers enjoy reading the paper. Feel free to send us any paper that you like and would recommend for review for a broader audience in the next issue.

**Reference**

Etnyre, L.M., 2024, Evaluating the Usefulness of Least Squares Regression in Petrophysics Interpretation, *Petrophysics*, **65**(1), 70–94. DOI: 10.30632/PJV65N1-2024a4.



**Issa Haddad**

Petrophysicist, Analysis and Interpretations Solutions Specialist

**Professional Experience:**

As a petrophysicist at SLB in Houston, Texas, Issa is experienced in borehole log interpretation for petrophysics and acoustics domains in North America Land. His responsibilities included conducting comprehensive petrophysical evaluations, optimizing logging operations, and integrating various log data sources to achieve accurate formation characterization. His expertise includes acoustics processing, rock anisotropy classification, unconventional geomechanics, NMR interpretations, and casedhole formation evaluation. Additionally, Issa played a pivotal role in collaborating with multidomain teams and applying machine-learning models to predict geomechanics and petrophysics parameters.

**Education:**

Issa holds an MSc degree in data science and analytics from the University of Oklahoma, complemented by an MSc degree in petroleum engineering from Texas Tech University. He obtained his BSc degree in petroleum engineering from Al-Baath University in Syria.

**Professional Affiliation and Leadership Skills:**

Issa is an active member of the Society of Petrophysicists and Well Log Analysts.

*Philippe Theys is a prolific author and SPWLA member who wrote the Le Log column for Petrophysics in the 1990s. As SPWLA prepares for the upcoming symposium in Rio, Theys reflects on his own experience in Brazil.*

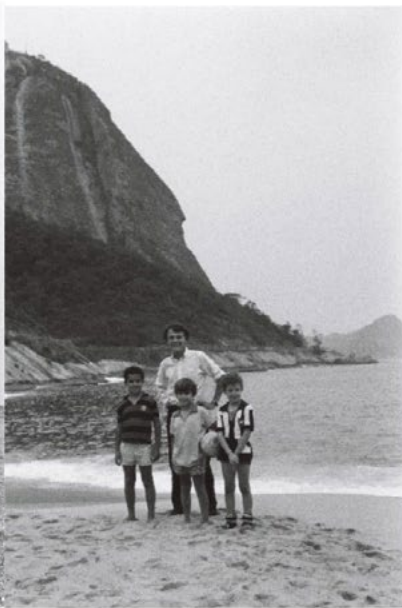
### Brazil by Philippe Theys

It is difficult to ignore the famous lyrics of Ary Barroso: *Brasil, meu Brasil brasileiro, meu mulato inzoneiro, Vou cantar-te nos meus versos.*

Or the even more famous ones of Jobim/Vinicius de Moraes, *Moça do corpo dourado do sol de Ipanema.*

But for me, Brazil is even more personal and sentimental.

In 1970, yes, 54 years ago, I was traveling from Iquitos, Peru. I flew over the Rio Negro and the Solimões River, better known as the Amazon River, to arrive in Manaus on an old DC3. I had just spent 2 months in Peru and was about to fly back to my university in France in a couple of days to start the next semester. How wrong was I? With the magic of Brazil, my sojourn became 4 weeks. Brasilia, Bahia, and then Rio. I arrived 3 weeks late. The Director of the university was really upset. "How can you prefer Brazil to the classrooms of Chatenay Malabry, the campus of Ecole Centrale near Paris." I felt like Homer Simpson. "D'oh." Difficult question, isn't it?



## SPWLA BOARD OF DIRECTORS MEETING

### REMOTE

March 1, 2024

President Jennifer Market called the meeting to order at 6:00 am. In attendance, Vice President President-Elect, Iulian Hulea, Vice President Education, Kelly Skuce, Vice President Technology-Elect, Harry Xie, Vice President Communications, Chelsea Newgord, Vice President Technology, Robert "Bob" Gales, Regional Director N. America 2, Clara Palencia, Vice President Finance, Secretary and Admin, Jing Li, Vice President Information Technology, Tom Bradley, Regional Director Europe, Mathias Horstmann, Regional Director Middle East/Africa, Jennifer Duarte, Regional Director N. America 1, Javier Miranda, Regional Director Asia Pacific/Australia, Yuki Maehara, Executive Director, Sharon Johnson, and Tegwyn Perkins

Absent: Vice President Publications, Stephanie Perry, Regional Director Latin America, Nelson Suarez Arcano

**A motion made by** Regional Director N. America 2, Clara Palencia, to waive the reading of the minutes from the January BOD meeting was seconded by Vice President Education, Kelly Skuce. This motion passed by majority vote.

**ACTION ITEM:** Regional Director Europe, Mathias Horstmann, to research the idea of Corporate Memberships.

**ACTION ITEM:** Corporate Memberships survey to the membership.

**ACTION ITEM:** Vice President Information Technology, Tom Bradley, stepped down from his position. Tegwyn Perkins has offered to fill the position for the duration of Tom's term.

**A motion made by** President-Elect, Iulian Hulea, to adjourn the meeting was seconded by Regional Director Europe, Mathias Horstmann. 8:26 am.

Respectively Submitted by  
Sharon Johnson  
Executive Director

**NEXT MEETING; Friday, April 26, 2024, 6 am CST.**

---

## SPWLA BOARD OF DIRECTORS INTERIM MEETING

### REMOTE

March 28, 2024

President Jennifer Market called the meeting to order at 8:00 am. In attendance, Vice President President-Elect, Iulian Hulea, Vice President Education, Kelly Skuce, Vice President Technology-Elect, Harry Xie, Vice President Communications, Chelsea Newgord, Vice President Technology, Robert "Bob" Gales, Regional Director N. America 2, Clara Palencia, Vice President Information Technology, Tegwyn Perkins, Regional Director Europe, Mathias Horstmann, Regional Director N. America 1, Javier Miranda, and Executive Director, Sharon Johnson

Absent: Vice President Publications, Stephanie Perry, Regional Director Latin America, Nelson Suarez Arcano, Vice President Finance, Secretary and Admin, Jing Li, Regional Director Middle East/Africa, Jennifer Duarte, Regional Director Asia Pacific/Australia, Yuki Maehara

**A motion made by** President-Elect, Iulian Hulea, to send a Survey Monkey to the BOD to select the 2026 Annual Symposium host location was seconded by Regional Director N. America 1, Javier Miranda

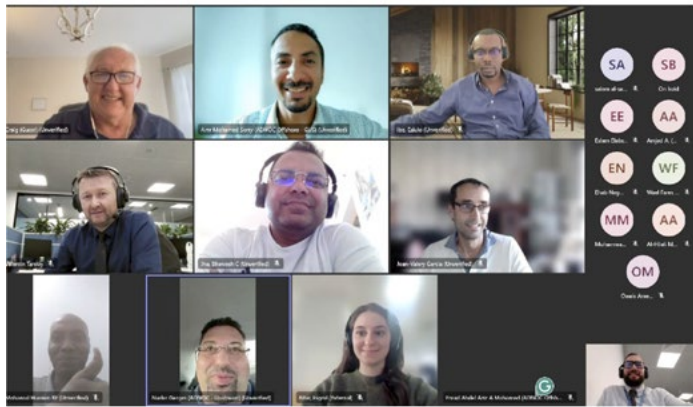
**ACTION ITEM:** Executive Director, Sharon Johnson, to send the survey. Questions on the survey: International or US location? List the Chapters who expressed interest to host.

**RESULT FROM THE SURVEY:** The 2026 Annual Symposium will be hosted in the US by joint efforts of Bakersfield, Denver, and Midland Chapters.

# Chapter News

## ABU DHABI CHAPTER

The local chapter members enjoyed an extended talk about the “Open-Source Python Process for Characterizing Complex Carbonate Reservoirs” by Dr. Jorge Costa Gomes and Craig Philips. The experts demonstrated their process that utilizes a comprehensive open-source reservoir characterization database from Costa Gomes, J., Geiger, S., and Arnold, D., which takes inspiration from the Early Cretaceous, one of the most prolific aggradational parasequence carbonate formations sets in the world. The diversity of invited attendees from the Middle East region exchanged their opinions and ideas before the closing of the online event.



## ACOUSTICS SIG

The Acoustics SIG is partnering in holding a 1-day preconference workshop at the 2024 SPWLA Annual Symposium in Rio! The workshop is entitled “Towards the Effective Use of Borehole Acoustics; Understanding, Validating, and Utilizing Sonic Measurements.” This course will provide a grounding in the principles of borehole acoustic measurements in both simple and more complex conditions, along with quality control techniques to ensure reliable data are obtained and case studies showing how the results can be used for a variety of applications. This course will cover both wireline and LWD conveyances and explore the different acquisitions, capabilities, and applications of each. The case studies presented will cover both Brazilian and international examples. Attendees can expect to obtain a solid overview of the theory behind wave propagation in a borehole, how the needed measurements are made, processed, quality checked, and interpreted, and then applied to solve a number of real-world problems. This workshop is open to anyone who is interested in an introduction or in expanding their knowledge

of the acquisition, quality control, and application of borehole acoustics measurements, with a particular focus on obtaining a better understanding of what really is “fit-for-purpose” data. The instructors will be Brian Hornby (Hornby Geophysical Services, LLC), Matthew Blyth (SLB), Philip Tracadass (HAL), Tiago de Bittencourt Rossi (Petrobras), and Heitor Darrigo (Shell). Registration and further details can be found on the symposium website. Additionally, the SIG will be conducting elections for some of the board positions over the next few weeks. SIG members will be eligible to vote, and details will be sent to all members soon! If you have questions about the SIG, please contact [acoustics\\_sig@spwla.org](mailto:acoustics_sig@spwla.org).

## BANGKOK CHAPTER

### General News

#### 2024 Bangkok Chapter Committee Members are:

Chapter President	Andrew Cox
Technical Coordinator	Ryan Lafferty
Sponsorship	Marvin Rourke
Secretary	Ronald Ford
Treasurer	Mesinee Pullarp
Web Coordinator	Alex Beviss
Media Coordinator	Ryan Banas
Student Liaison	OPEN

Website: [https://www.spwla.org/SPWLA/Chapters\\_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx](https://www.spwla.org/SPWLA/Chapters_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx)  
Email: [bangkok.chapter@spwla.org](mailto:bangkok.chapter@spwla.org)

### Recent Events

**28 March 2024**—“Fluid Contact Analysis Using Rock-Physics Technique in Challenging for the FP Tools Environment” was presented by Sergey Vorobiev (independent petrophysics advisor). Sergei Vorobiev provided an excellent presentation on how rock physics can be used to assist in the petrophysical analysis of log results, especially related to establishing fluid contacts in challenging environments. His talk was very well received. Thanks to Sergei for taking the time to attend and present, as well as to everyone who attended.

**25 April 2024**—“Automated Selection of Inputs for Petrophysical Machine-Learning Models With Experienced Eye” was presented by Dr. Frans Mulders (geomechanics engineer, GEOACTIVE). Dr. Mulders presented insights into the application of domain transfer analysis (DTA) to petrophysics and explained its fundamental distinction from various other statistical methods adopted in the industry. Case studies were shared and compared to

other methods. In addition, the selection of features for the machine-learning process was explained based on the technique called Experienced Eye (EE). Thanks to Dr. Mulders for this excellent presentation.

**SPECIAL ANNOUNCEMENT**

**6–9 October 2024**—SPWLA Bangkok Chapter will be hosting the Asia Pacific Regional Conference. The call for abstracts is now closed, and 70+ abstracts have been received. Thanks to all of the authors. Delegate registration will be opening in the near future. Please check our website or Facebook page for updates.



Andres Cox (SPWLA Bangkok Chapter) with Sergei Vorobiev (independent petrophysics advisor).

**2024 SPWLA BANGKOK**  
6<sup>th</sup> to 9<sup>th</sup> October

**Call for Abstracts**  
**SPWLA – Asia Pacific Regional Conference 2024**

**“Traditional and Transitional Petrophysics”**  
*“Enhancing and Integrating Petrophysics into the challenges of Today and Tomorrow”*

**Theme of the conference:**  
Ideas, technology or case studies that are directly applicable to the Asia Pacific region.

**Submit your abstract to:**  
[ap2024@spwla.org](mailto:ap2024@spwla.org)

**Deadline for submission:**  
29<sup>th</sup> March 2024.

**Presentation Options:**

1. Full paper with presentation, abstract in conference brochure, and option to be published in OnePetro .
2. Conference presentation only, with abstract in conference brochure.
3. E-poster presentation, with abstract in conference brochure, and option to be published in OnePetro.

**Details:**  
Maximum of 500 words. Please provide title, full name of authors and affiliation, name of presenter and contact email address. Please state if the abstract has been previously published or presented elsewhere.

**Conference Schedule (Notional)**  
Sunday 6<sup>th</sup> – Field Trip (optional)  
Monday 7<sup>th</sup> - Technology Day  
Tuesday 8<sup>th</sup> – Technical Session 1  
Wednesday 9<sup>th</sup> – Technical Session  
Thursday 10<sup>th</sup> – Golf Day (optional)





Dr. Frans Mulders (geomechanics engineer, GEOACTIVE).

Special thanks to our Corporate Sponsors.

Please check our local website for the latest information on events and activities for the Bangkok Chapter on the SPWLA main page:  
[https://www.spwla.org/SPWLA/Chapters\\_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx](https://www.spwla.org/SPWLA/Chapters_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx)  
or visit us on LinkedIn (SPWLA Bangkok Chapter)

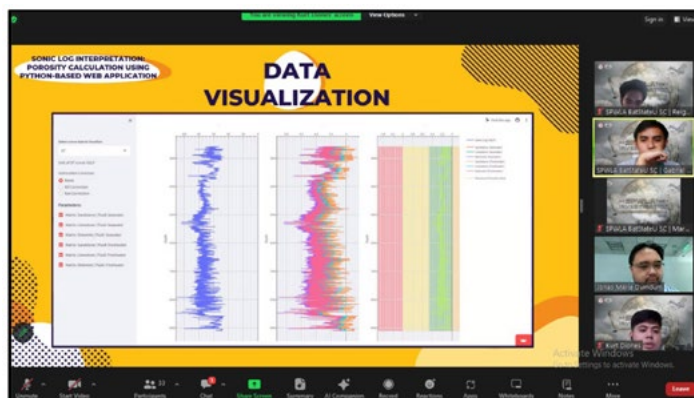
## BATANGAS STATE UNIVERSITY STUDENT CHAPTER

As the end of the academic year 2023–2024 approaches, the SPWLA BatStateU SC is thrilled to share the latest developments from recent meetings and upcoming events. Following the term planning session on January 27, 2024, the chapter is set for a dynamic semester ahead. Discussions centered on an array of engaging activities, including the eagerly anticipated Paper Competition, vital initiatives such as Mental Health Awareness and Coastal Clean-up, and more.

Moreover, attention is directed towards the ExSPWLAtory Investigation Event, where a participant will be selected to represent the chapter internationally in the SPWLA International competition. The event kicked off with a call for abstracts starting February 12, 2024, complemented by activities like the Quiz Bee Competition, all managed with prudent budget allocation to ensure maximal impact. The SPWLA BatStateU SC also conducted an E-mentorship event on April 20, 2024. The event was designed to serve as a platform for fostering meaningful connections between experienced professionals and aspiring individuals, creating a supportive network for knowledge sharing and career growth within the SPWLA community.

### Recent Events

**29 February 2024**—SPWLA BatStateU SC hosted the enlightening ExSPWLAtory Investigations event via Zoom meeting, themed “Scrutinize and Perceive the Text of the Future,” featuring insightful discussions and interactive activities. Commencing with a respectful invocation and national anthem, Mr. Brix Aquino led the event with Engr. John Kevin M. De Castro delivering opening remarks stressing academic excellence and critical thinking in the petroleum industry. Distinguished Guest Speakers Mr. Jonas Marie Dumdum and Ms. Mary Donnabelle Balela discussed sustainability and materials evolution, followed by a panel discussion on industry trends moderated by Dr. Jeffrey Sarmiento. The Internal Student Chapter Paper Contest 24 showcased innovative research projects, with a Python-based web application for well-log interpretation securing the top spot. The afternoon session included a lively murder quiz bee competition, concluding with heartfelt closing remarks expressing gratitude to all participants and organizers for their contributions.



The presentation of the first group for ISPC 24 during the ExSPWLAtory Investigations held via Google meeting.

**March–April 2024**—This event title emphasizes the mentorship aspect (“MentorConnect”) and the focus on developing the next generation of petrophysics and well-log analysts (“Empowering the Petrophysics and Well-Log Analysts of Tomorrow”). The event served as a platform for fostering meaningful connections between experienced professionals and aspiring individuals, creating a supportive network for knowledge sharing and career growth within the SPWLA community. The e-mentorship program is designed to provide the student members with in-depth knowledge of their chosen petrophysical course through a three (3) session program with professionals or volunteer mentors who have actual experience in the field.

**April 2024**—The study is designed to encourage the student members to think more creatively while building strong communication with other members. It will allow the students to refine their understanding of their chosen field of interest. The SPWLA BatStateU SC is dedicated to ensuring its members have an environment that will give them an opportunity to learn, grow, and prosper as a professional.

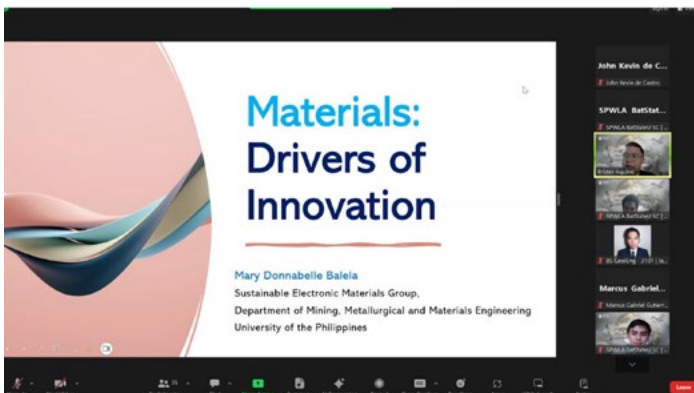
**April 2024**—Benchmarking is a process of comparing an organization’s performance, practices, or processes against those of industry leaders or best-in-class companies in order to identify areas for improvement and set performance targets. It involves measuring performance metrics, analyzing data, and learning from the successes and strategies of top-performing entities. Benchmarking can be applied to various aspects of an organization. Benchmarking is done in order to form connections or partnerships with another organization. This took place in the second week of April.



**April 2024**—Election of Officers and Turnover: This event was organized to serve as a transition to prepare for an orderly and efficient turnover for the incoming officers of the organization. The SPWLA BatStateU SC is committed to ensuring strong bonds between its incoming and outgoing student officials. The ceremony took place the fourth week of April 2024 using Google Meet and Google Forms.



This photo shows Mr. Dumdum discussing sustainability and the future of energy in oil and gas during the ExSPWLAtory Investigations.



This photo shows Ms. Balela talking about material evolution in the industry and emphasizing research’s role in advancing technologies like nanomaterials.



The award session for the participants of ISPCP-24.



Mini quiz session for the participants.

### BOREHOLE IMAGING (BHI) SIG

#### General News

The BHI SIG currently has 172 members.

#### Recent Events

**16 April 2024**—We held the third Borehole Imaging SIG workshop about “The Influence of Mud on the Characterization of Fractures Using BHI Tools.” The following talks were presented:

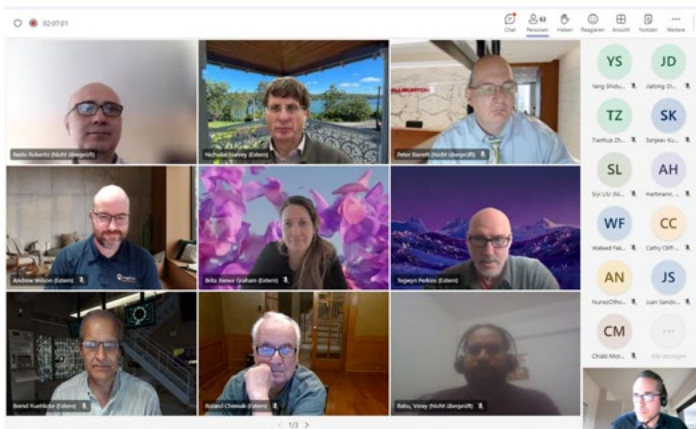
“How Does Drilling Mud Affect Your Image?” by Bernd Ruehlicke, Eriksfiord, and Peter Barrett (Halliburton).

“A New LWD Caliper for OBM and Large Boreholes Delivers Accurate Borehole Shape and Size, and Detailed Electrical Images of the Formation, Using Advanced Radar Technology” by Lars Oy, Inge Bye, and/or Roland Chemali (Well ID).

“Borehole Image Features Map Depositional Environment Change in Mesoproterozoic Deltas: Insights From the Beetaloo Sub-Basin” by Andrew Wilson (ImageStrat Pty Ltd), Alexander Côté, Brenton Richards, and Carl Altmann (Origin Energy)

“Stress Tensor Computation From Borehole Images” by Nicholas Harvey (Harvey Rock Physics).

With around 70 participants and four presentations, the workshop was very well attended. In order to reach our members from Europe, the Middle East, and the Far East, we scheduled the workshop for European time. For all members who could not participate, the workshop was recorded and is available for future playback on the SIG web page and the SPWLA YouTube channel.



### Upcoming Events

In preparation for the annual convention, members of the BHI SIG board will have an online meeting with Candida Menezes de Jesus and the organizing committee of the “Advanced Borehole Image Applications – Reservoir Characterization Beyond Dips” workshop to discuss the final program and how we can support the local organizing committee and the lecturers.

## BRAZIL CHAPTER

### General News

We’re excited to announce we have launched our monthly meetings dashboard! Visit and check the statistics of all registered monthly meetings delivered by our chapter at <https://lookerstudio.google.com/>. Your feedback is invaluable as we continue to grow and improve.

Our monthly meetings are being held online every third Tuesday of the month, at 4 pm BRT (UTC-03), through our YouTube channel <https://www.youtube.com/@spwlabrazil>. Please consider subscribing to the channel and turning on the notifications to stay updated on our latest videos. Anyone wishing to participate is welcome. Meetings are held in Portuguese or English, depending on the preference of the speaker. Even if it is held in Portuguese, questions in English are also welcomed!

Please consider subscribing to our LinkedIn page (SPWLA Brazil Chapter – <https://www.linkedin.com/company/spwlabrazil/>), where we post chapter updates and meeting links.

For further information about the chapter, please contact our secretary, David Xavier, at [dx@equinor.com](mailto:dx@equinor.com).

Membership to our chapter is free and can be claimed by filling out the form available at <https://lnkd.in/g4KQjYf>.

### SPWLA 65th Annual Logging Symposium

**18–22 May 2024**—SPWLA Brazil is honored to announce that we will host the SPWLA 65th Annual Logging Symposium in Rio de Janeiro. The event will celebrate 10 years of official existence of the Brazil Chapter. The organizing committee is working behind the scenes to ensure a high-quality event, so stay tuned to our LinkedIn page for new information. The event will have eight workshops and two not-to-be-missed planned field trips, especially for those interested in delving into the sedimentological, stratigraphic, and petrophysical aspects of Brazilian presalt carbonates.

### Recent Events

**16 April 2024**—We had Plínio Cancio, Jr. (<https://www.linkedin.com/in/plinio-cancio-silva-jr/>), senior petrophysicist at Petrobras. The webinar is also available on our YouTube channel (<https://www.youtube.com/@spwlabrazil>).

**26 April 2024**—We had Marcos Jacinto (<https://www.linkedin.com/in/marcos-jacinto/>), data geoscientist and machine-learning engineer at Geowelllex. The webinar has already more than two hundred views and is available on our YouTube channel (<https://www.youtube.com/@spwlabrazil>).

### Upcoming Events

**16 June 2024**—The next monthly meeting is planned for June since the chapter will be hosting the Annual Symposium. SPWLA Brazil Chapter is still confirming the 2024 presentation calendar, so stay tuned to our LinkedIn page and YouTube channel to stay up to date with our schedule.

## Colombia Professional Chapter



**Board of Directors**

Miembro	Cargo SPWLA COL	Empresa	Linkedin
Maria Florencia Segovia	President	Ecopetrol	<a href="https://www.linkedin.com/in/maria-florencia-segovia-644ba933/">https://www.linkedin.com/in/maria-florencia-segovia-644ba933/</a>
Ulises Bustos	Vicepresident	Schlumberger	<a href="https://www.linkedin.com/in/ulises-bustos-33538465/">https://www.linkedin.com/in/ulises-bustos-33538465/</a>
Darling Criollo	Secretary	Halliburton	<a href="https://www.linkedin.com/in/darling-criollo-9b502933/">https://www.linkedin.com/in/darling-criollo-9b502933/</a>
Maria Isabel Sandoval	Treasurer	UIS	<a href="https://www.linkedin.com/in/maria-isabel-sandoval-martinez-8aa40663/">https://www.linkedin.com/in/maria-isabel-sandoval-martinez-8aa40663/</a>
Maika Gambús Ordaz	Vocal1	UIS	<a href="https://www.linkedin.com/in/maika-gambus-1a925443/">https://www.linkedin.com/in/maika-gambus-1a925443/</a>
Victoria Mousalli	Vocal2	UIS	<a href="https://www.linkedin.com/in/victoria-mousalli-26171655/">https://www.linkedin.com/in/victoria-mousalli-26171655/</a>

**Recent Events**

- The team successfully completed the agreement with the Universidad de América in Bogotá, Colombia, to develop joint activities.
- We are in meetings planning for our next Board of Directors transition.
- The professional team has supported the Colombian Student Chapter as a jury in the selection of the best papers to compete or participate in the next international symposium in Brazil.

**Upcoming Events**

**May 2024**—The team will have upcoming events starting in May in collaboration with the academic community within the agreement context and in the facilities of the Universidad de America in Bogota-Colombia, as well as with prospective oil and gas companies. **Follow us on our social media:**



**DENVER WELL LOGGING SOCIETY (DWLS)**

The Denver Well Logging Society (DWLS) invites you to join our monthly technical luncheons! They are held on the third Tuesday of the month, 11:20 am to 1:30 pm, in downtown Denver at the Wynkoop Brewing Company. Please see <http://dwls.spwla.org/> for additional details and the most up-to-date information.

**Recent Events**

The DWLS thanks the following speakers for their excellent talks to get the year started:

**January 2024**—Alan Lindsey (HXXM), “Adapting Music Recognition Technology for Tops Picking and Quality Control.”

**February 2024**—Eric Wigger (Liberty Energy), “A Rapid and Robust Approach for Optimizing Production in the Northern Delaware Basin.”

**March 2024**—KC Oren (GeoStar Energy Partners), “Meeting Class VI CCS MRV Requirements Using Unified Subsurface and Surface Measurement Technologies.”

**April 2024**—Tarek S. Mohamed (UT Austin), “Using Formation-Tester Measurements to Estimate Depth of Invasion and Water Saturation in Deeply Invaded Tight-Gas Sandstones.”



KC Oren discussed tracer data with members of DWLS at the March luncheon.



Alan Lindsey teaches a room full of geoscientists about an algorithm used for automated tops picking at the DWLS January luncheon.

## SPWLA FRANCE CHAPTER

### Recent Events

SPWLA France has put the year 2024 under the sign of renewable energies. The first quarter was dedicated to CO<sub>2</sub> storage and sequestration with a series of Lunch & Learn virtual sessions in January and February, followed by an in-person 1-day event in March about CCS.

**26 January 2024**—The first technical Friday of the year was about an important topic when talking about CO<sub>2</sub> storage in depleted fields: well integrity. The talk was given by SPWLA Distinguished Speaker Andy Hawthorn (Baker Hughes), who presented his paper “Changing the Game: Well Integrity Measurements Acquired on Drillpipe.”

**February 2024**—A second virtual session in February addressed the CO<sub>2</sub> solubility in brine, which is a critical parameter for CO<sub>2</sub> storage in aquifers. This topic was covered by Jie Wang (Intertek), who presented her paper “Salinity Effect on CO<sub>2</sub> Solubility in Live Formation Water Under Reservoir Conditions.”

**22 March 2024**—The CCS sequence was concluded by a 1-day in-person event in Paris entitled “Carbon Capture and Sequestration: A New World of Petrophysical Applications.” The event went through the entire CO<sub>2</sub> sequestration value chain, starting from aquifer sites screening with Andrew Mangeon-Fairweather (TotalEnergies), who presented the exploration process with storage capacity resource evaluation, strategy, risks, and stakes. Then, Vincenzo De Gennaro (SLB) gave a mini-lecture about geomechanics with his 1-hour talk entitled “Dynamic Coupled Flow and Geomechanical Modeling.” The morning was concluded by Kateryna Voronetska (IFP-EN), who presented experimental and numerical approaches to assess well integrity. After lunch in a typical Parisian restaurant, the afternoon session resumed with four project-oriented talks. Sylvain Thibeau (TotalEnergies, CCS expert) gave a panorama of the technical challenges of CO<sub>2</sub> storage, followed by a second talk that focused on the specificities of CO<sub>2</sub> storage in saline aquifers. Benoît Dechelette (TotalEnergies) continued with a presentation about the ARAMIS project in the Netherlands and illustrated the challenge of CO<sub>2</sub> injection into depleted gas fields under the prism of well performance. The afternoon was then logically concluded by an overview of Monitoring, Measurement, and Verification (MMV) technologies by Kamal Jansen (SLB), who presented how fiber optics can be a valuable solution in subsurface CO<sub>2</sub> storage monitoring. This CCS day was one of the most

well-attended ever for SPWLA France, with a very broad variety of profiles of the people attending the session. SPWLA France also had the pleasure of welcoming Javier Miranda (SPWLA North America 1 Regional Director), who was in Paris and attended the whole day’s session.



Picture of the attendees and presenters of the SPWLA France CCS day organized at Societe Geologique de France in Paris on March 22, 2024.



The Board of SPWLA France with presenters. (From left to right) Nadege Bize-Forest (SLB – SPWLA France Technical Secretary), Samira Ahmad (SLB – SPWLA France Vice President), Emmanuel Caroli (TotalEnergies – SPWLA France President), Vincenzo de Gennaro (SLB – Domain Head CCS Subsurface Modelling | Geomechanics Advisor), Rubi Rodriguez (SLB – SPWLA France Communications Committee Lead), Kamal Jansen (SLB – CCS Technical Director), and Javier Miranda (DeGolyer and MacNaughton, SPWLA North America I Regional Director).

### Upcoming Events

**28 June 2024**—SPWLA France continues the sequence about renewal energy with a new topic for the second quarter of 2024 about geothermal energy. It will start with a Lunch & Learn virtual session on April 26 and close with a 1-day event on June 28 with a visit to the Celsius facility in Clamart (SLB). We hope to welcome you in June during your trip to France on your way to the Olympic Games!

**FORMATION TESTING SIG**

**Recent Events**

Formation Testing SIG Webinar Series:

**22 February 2024**—Presentation from Vinay Mishra (Halliburton), “Reservoir Characterization via High-Quality MiniDST.”

**18 April 2024**—Presentation from Adriaan Gisolf (SLB), “Deep Transient Testing Examples and Interpretation Techniques.”

**Formation Testing SIG Executive Committee Elections:**  
 Congratulations to the new committee! (picture below)

**Upcoming Events**

**July 2024**—FT SIG Webinar Series: July presentation from Asia Pacific region – details TBA

**19 September 2024**—FT SIG Annual Meeting and Technical Conference: The annual meeting with technical presentations will be held in Houston. Call for abstracts coming soon!

If you have questions about any of our events, you can contact us at [formation.testing.sig@spwla.org](mailto:formation.testing.sig@spwla.org)

To provide more networking opportunities, the SPWLA Houston Chapter hosts networking events on the last Thursday of each month, from 5:07 pm to 8:08 pm, at the same location for easy recall. On February 29, March 28, and April 25, we hosted three successful in-person social networking events. The entire SPWLA community was invited, and the outdoor party was attended by petrophysicists, geologists, geophysicists, engineers, managers, and others, including current and past SPWLA international board members. We invite you to join us at our monthly networking events on the last Thursday of each month. The next networking event will be on Thursday, May 30. We look forward to welcoming you there for another evening of valuable connections and knowledge sharing!

We hosted two successful in-person lunch seminars at different locations in Houston. The topics are listed below:

**7 March 2024**—“Salinity Effect on CO<sub>2</sub> Solubility in Live Formation Water Under Reservoir Conditions” was presented by Jie Wang (Intertek).

**13 March 2024**—“Critical Considerations for Wireline Logging Data Assurance and Deployment Risk Management” was presented by Homero C. Castillo (Wireline Advisor Board).

The SPWLA Houston Chapter continues to host lunch seminars on various topics, with more in-person events taking place recently. Slots are limited for in-person seminars; please visit [spwla-houston.org](http://spwla-houston.org) for details and registration.

To receive notifications of upcoming events and chapter news, register on the new SPWLA Houston Chapter website and follow us on LinkedIn. You’ll also find sponsorship opportunities and job postings. If you’re interested or would like more information, please contact us. We are always open to new speakers for our seminars and welcome guests to present on topics of interest to the petrophysics audience. Contact our VPs if you have a presentation to share.

We are committed to fostering a thriving community and offering events that cater to both your professional growth and your social connections. Stay tuned as we continue to explore new avenues for learning, networking, and collaboration.

Stay tuned for upcoming news and events! As always, feel free to contact any of the board members if you have questions or comments using the contact information provided on our website: <https://spwla-houston.org/>. Please follow our LinkedIn account, “Houston Chapter of SPWLA,” for the latest updates.

**Recent Events**

**7 March 2024**—A seminar was held on SPWLA Houston Chapter Westside March 7. Jie Wang made a presentation, “Salinity Effect on CO<sub>2</sub> Solubility in Live Formation Water Under Reservoir Conditions.”

**SPWLA FT SIG 2024-2025 Board**

 Gibran Hashmi Chair Halliburton	 Anup Hunnur Secretary Baker Hughes
 Camilo Gelvez Vice-Chair BP	 Jules El-Khoury Treasurer Schlumberger

**HOUSTON CHAPTER**

**General News**

The SPWLA Houston Chapter has been actively enhancing the local petrophysical community through various engaging initiatives. The Houston Chapter hosted seminars across Houston, offering a platform for experts and professionals to share insights and advancements. These seminars have been complemented by monthly networking events, drawing participants from various sectors, including academia and industry, to establish a robust exchange of ideas and experiences.

**13 March 2024**—Another seminar was held on Northside Houston. Homero C. Castillo made a presentation. The seminar was titled “Critical Considerations for Wireline Logging Data Assurance and Deployment Risk Management.”

**29 February, 28 March, and 25 April 2024**—We hosted three in-person social networking events. The whole SPWLA community was invited. That was an outdoor party attended by petrophysicists, geologists, geophysicists, engineers, managers, etc. We have current and past SPWLA International board members joining our events. We plan to have such a networking event last Thursday monthly from 5:07 – 8:08 pm at the same location to make it easier to remember. Hope to see you there!

### Upcoming Events

Open positions for the June 2024–June 2026 term:

- President
- VP Downtown
- VP Northside
- VP Westside
- Editor
- Treasurer

Check out current board members here: <https://spwla-houston.org/who-we-are.php>.

Critical deadlines:

- Weds., May 1: Close Elections (by 11:59 pm Houston Time)
- Fri., May 3: Announce election results

The new local chapter board takes control after the annual symposium in Rio de Janeiro (May 22).

### Networking Happy Hour

**Last Thursday of the Month, 5:07 pm–8:08 pm**

**Where: Cedar Creek Bar & Grill**

**1034 W 20th St, Houston, Texas, US, 77008**

The entire SPWLA community is invited; no need to RSVP. Come at your own leisure; no payment is required. Come and mingle with fellow petrophysics enthusiasts. Our social events are well attended by petrophysicists, geologists, geophysicists, engineers, and managers. We also expect to have current and past SPWLA International board members and recognized names in our industry! The Houston Chapter will host the networking event **every month at the same time and location**. Hope to see you all.

**More details are available on the Houston Chapter’s website:**

<https://www.spwla-houston.org/>

**and the Houston Chapter LinkedIn profile:** <https://www.linkedin.com/company/houston-chapter-of-spwla/>

**Stay tuned always!**



SPWLA Houston Chapter VP Westside Neal Cameron greeted the speaker, Jie Wang, who presented a seminar about the salinity effect on CO<sub>2</sub> solubility.



Homero Castillo made a presentation about logging data assurance and risk management. SPWLA Houston Chapter VP Northside Amer Hanif greeted the speaker. Great discussion after the presentation.



The success of a fantastic networking event hosted by the SPWLA Houston Chapter on February 29, the leap day.











The networking event hosted by the SPWLA Houston Chapter is a great place with opportunities to meet current and past SPWLA international board members.



Best season in Houston! On March 28, the SPWLA Houston Chapter hosted an outdoor networking event.

We warmly invite the entire SPWLA community to join us at our monthly networking events, which take place on the last Thursday of each month. The Houston Chapter hosts networking events **every month at the same time and location**. Don't miss this opportunity to connect with others in the SPWLA community. We look forward to seeing you there!

**SPWLA Houston Chapter Board for 2023–2024**

 <p><b>Bernd Ruehlicke</b> PRESIDENT <a href="mailto:president@spwla-houston.org">president@spwla-houston.org</a></p>	 <p><b>Amer Hanif</b> VICE-PRESIDENT NORTH SIDE <a href="mailto:vpnorthside@spwla-houston.org">vpnorthside@spwla-houston.org</a></p>
 <p><b>Artur Posenato Garcia</b> VICE-PRESIDENT DOWNTOWN <a href="mailto:vpdowntown@spwla-houston.org">vpdowntown@spwla-houston.org</a></p>	 <p><b>Neal Cameron</b> VICE-PRESIDENT WESTSIDE <a href="mailto:vpwestside@spwla-houston.org">vpwestside@spwla-houston.org</a></p>
 <p><b>Ronke Olutola</b> TREASURER <a href="mailto:treasurer@spwla-houston.org">treasurer@spwla-houston.org</a></p>	 <p><b>Hans Wong</b> SECRETARY <a href="mailto:secretary@spwla-houston.org">secretary@spwla-houston.org</a></p>
 <p><b>QinShan (Shan) Yang</b> EDITOR <a href="mailto:editor@spwla-houston.org">editor@spwla-houston.org</a></p>	 <p><b>Tianmin Jiang</b> WEBMASTER <a href="mailto:webmaster@spwla-houston.org">webmaster@spwla-houston.org</a></p>

**JAPAN FORMATION EVALUATION SOCIETY (JFES)**

**Recent Events**

**13 March 2024—The 123rd JFES Chapter Meeting:** We welcomed 20 in-person attendees and more than 30 participants in the online audience. The event featured two lectures for a series of technical presentations, followed by lively discussions. We also celebrated the success of the chapter meeting at the networking ice-breaking party.

**Presentation 1**

“Analysis of Sandbox Experiments on Strike-Slip Faulting-Implication for Fault/Fractures Systems in the North of Rang Dong Field, Cuu Long Basin, Offshore Vietnam”  
Dr. Nguyen Binh Thi Thanh (JX)

**Presentation 2**

“Time-Lapse Seismic Analysis Using ACROSS Source and DAS at the Aquistore CO<sub>2</sub> Storage Site”  
Mr. Yuta Kitawaki (JX)



Dr. Thanh demonstrated the fault structures on the sandbox simulation.



Mr. Kitawaki introduced the DAS demonstration of the Canadian CCS project.



Lively discussion.



Networking event.



**Upcoming Events**

**9 May 2024—2024 JFES Distinguished Lecture:** We are pleased to announce that the JFES Distinguished Lecture will feature the following presentation. “Salinity Effect on CO<sub>2</sub> Solubility in Live Formation Water Under Reservoir Conditions” will be presented by Jie Wang (Intertek Westport Technology Center/University of Houston) and Christine Ehlig-Economides, (University of Houston).

**Mid-July 2024—124th JFES Chapter Meeting:** We are pleased to announce the forthcoming 124th JFES Chapter Meeting. Details will be announced soon.

**12 and 13 September 2024—The 29th Formation Evaluation Symposium of Japan** will be held. All persons involved in the oil, gas, new energy, geoengineering industry, and scientific drilling are invited to showcase their case studies, new technologies, and innovations. We are also celebrating our 30th anniversary since the establishment of JFES in 1993

**Venue:** Japan Organization for Metals and Energy Security – Technology & Research Center (JOGMEC-TRC), Chiba

1-2-2 Hamada, Mihama-ku, Chiba-city, Chiba 261-0025 Japan

**Sponsor:** SPWLA Japan Chapter (Japan Formation Evaluation Society: JFES)

**Co-sponsor:** Japan Organization for Metals and Energy Security (JOGMEC)

**General Themes:** The symposium committees are soliciting papers on the following topics:

- Reservoir Characterization of Conventional/Unconventional Reservoirs
- Automated Methods of Formation Evaluation
- Specialized Measurement Techniques and Interpretation Methods
- Core and Well-Log Integration
- Case Studies

**Special Themes:** We set “DX (Digital Transformation)” as the special session theme in this symposium, and recent innovations and experiences will be shared with the participants in the JFES symposium. The symposium committee will arrange the invited talks (both in person and online). We will invite industry leaders from global universities, research institutes, and energy companies. In this special session, JFES will provide petrophysicists, geologists, geophysicists, and

engineers with an opportunity to share their expertise and case studies for geothermal energy development.

- Machine Learning, AI for Geoscience
- DX Applications and Utilization
- Formation Evaluation/Reservoir Characterization of the Analysis Technology and Evaluation
- Geological/Geomechanical Modeling and Dynamic Simulation
- Reservoir Monitoring Technology

**Best Student Awards:** The outstanding presentation will be given the best student awards. The presentation will be nominated for the International Student Paper Contest in the annual SPWLA symposium.

**NORWEGIAN FORMATION EVALUATION SOCIETY (NFES)**

**General News**

The Norwegian Formation Evaluation Society (NFES), the Norwegian Chapter of SPWLA, continues the good work of providing its members with good and high-quality technical talks. The March and April talks of 2024 have received strong interest among our members.

Month	Title	Presenter
jan.23	Looking through pipes, how do we use CT scans in the Oil and Gas industry?	Olivier Lopez
feb.23	Holistic Evaluation of Reservoir Oil Viscosity in Breidablikk Field – Including Mud Gas Logging Approach	Alexandra Cely
mar.23	OPEN-HOLE WIRELINE CONVEYANCE RISK MANAGEMENT (NEW MODELS, TECHNOLOGIES & INSIGHTS)	Guy Wheatler
apr.23	HALITE CEMENT	Richard Bootle

Affiliation	Attendance (incl speaker) at the Gard	Attendance (incl speaker) via Teams	Attendance (incl speaker) Total
Leading researcher at Equinor	27	3	30
Principal reservoir engineer, Equinor	22	1	23
Wireline specialist, Gaia Earth Group	28	3	31
Advanced Petrophysicist at Aker BP	27	2	29

**NFES 2024 Board**

President (2 years 2023–2025):

Dler Mirza (AkerBP)

Vice President – Membership (2 years 2023–2025):

Subhadeep Sarkar (SLB)

Vice President – Program (2 years 2023–2025):

Venkataraman Jambunathan (Halliburton)

Vice President – Technology & Social Media (2 years 2023–

2025): Irada Yusufova (Equinor)

Vice President – Finance (2 years 2022–2024):  
Torunn Hana (Repsol)

Vice President – Sponsorship (2 years 2022–2024):  
Annette Larsen (Logtek)

Vice President – Academia Relations (2 years 2022–2024):  
Sergey Alyaev (NORCE)

**NFES 2024 Sponsors**



**Monthly Technical Meeting**

**6 March 2024**—We hosted a very interesting talk given by Guy Wheater (Gaia Earth Group) with the following title: “Openhole Wireline Conveyance Risk Management (New Models, Technologies, and Insights)?”



NFES Technical meeting, March 6, 2024, in Stavanger. Venkat Jambunathan, NFES VP Program, presents the NFES ice bear in gratitude for a well-attended and delivered presentation by Guy Wheater (to the right).

**Monthly Technical Meeting**

**10 April 2024**—We hosted a very interesting talk given by Richard Bootle (Aker BP) with the following title: “Halite Cement.”



Dler Mirza, NFES President, presents the NFES ice bear in gratitude for a well-attended and delivered presentation by Richard Bootle (to the right).

**PERMIAN BASIN CHAPTER**

**General News**

**26 March 2024**—Our last technical talk was with Michael Nieto and Milly Wright (RhomTek), who presented on “Adaptive Analytical Techniques and Workflows for Cutting Samples, Utilizing Geochemistry, Mineralogy, Petrography, and Water Immersion Porosity: An Aid to Petrophysical Characterization and Exploration in the Delaware Basin.”





designed to be a warmup for next week’s visit of an SPWLA Distinguished Lecturer and focused on some basic issues in carbon storage petrophysics, along with a case example of carbon storage in basalts.

**17 April 2024**—SPWLA Distinguished Lecturer, Jie Wang, presented her work on the “Salinity Effect on CO<sub>2</sub> Solubility in Live Formation Water Under Reservoir Conditions” at a lunchtime event hosted by the Tulsa Chapter and the University of Tulsa. The turnout of regular SPWLA members was complemented by students and faculty from the university’s Petroleum Engineering, Geoscience, and Energy Management programs. Regional Director Clara Palencia also attended the presentation and spoke with chapter members afterward.

**SPWLA Board Members**

- Veronica Montoya of Axiom Petrophysics LLC, President
- Christopher Smith of Advanced Hydrocarbon Stratigraphy, Vice President
- Sebastian Ramiro-Ramirez of Diamondback Energy, Treasurer
- Kate La Fleur of NuTech, Social Media Communications
- Jennifer Reeves of Applied Petroleum Technology (APT), Secretary

**Recent Events**

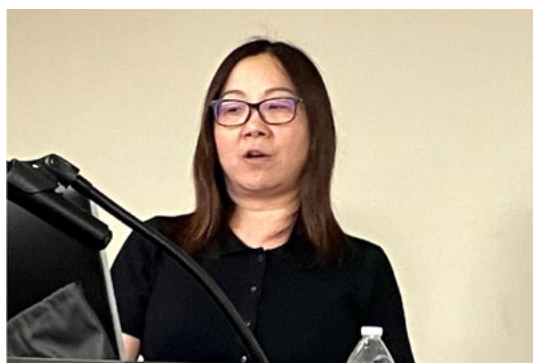
Past Monthly Meetings:

Date	Speaker	Title
March 26, 2024	Michael Nieto & Milly Wright	Rhomtek: Adaptive analytical techniques and workflows for cutting samples, utilizing geochemistry, mineralogy, petrography, and water immersion porosity: an aid to petrophysical characterization and exploration in the Delaware basin

**Upcoming Events**

Upcoming Monthly Meeting of 2023:

Date	Speakers	Title
April 23, 2024	Shuvajit Bhattacharya	BEG: Basin Scale Variation of Poisson’s Ratio and Pore Pressure of the Wolcamp-Sprayberry Interval in the Midland Basin
May 28, 2024	Stonnie Pollock	Fasken



Jie Wang, 2023–2024 SPWLA Distinguished Lecturer speaking to a large, multidisciplinary audience at the University of Tulsa on April 17, 2024.

**TULSA CHAPTER**

**General News**

The current chapter officers have offered to continue for the 2024–2025 season while the chapter sorts out its future.

- President: James Howard
- VP/Secretary/Treasurer: Patrick Ryan

**Recent Events**

**10 April 2024**—The Tulsa Chapter met at the University of Tulsa’s Geoscience Dept lunchtime seminar, where James Howard gave a presentation on “Formation Evaluation and the Petrophysics of Carbon Storage.” This talk was



Pat Ryan (left) and Jie Wang (right) at the University of Tulsa on April 17, 2024, after Jie’s Distinguished Lecturer presentation on CO<sub>2</sub> solubility in live formation brines.

**Upcoming Events**

Chapter officers plan to meet with their counterparts at the Tulsa Geological Society and the Tulsa SPE Chapter over the summer to discuss ways to coordinate meetings. One topic that is of greater interest to the Tulsa community is alternative energy sources.

## UFRJ STUDENT CHAPTER

### General News

Our chapter maintains normal activities, now with 11 active members, including a professor advisor, organized below:

### Board Members

President: Vittor Cambria  
 Vice President: Renan Camillo  
 Treasurer: Marina Alfradique  
 Secretary: Gabriel Ferraz

### Professor Advisor

Jorge Picanço

### Executive Members

Rodrigo Azambuja  
 Iago da Costa  
 Sarah Aleixo

### Marketing Members

Gabriel Ferraz  
 Luís Henrique Trianon  
 Marina Alfradique

### Logistic Members

Alexandre Nobre  
 Guilherme Lontra

### Recent News

Now, the chapter is directed by President Vittor Cambria and Vice President Renan Camilo. Guilherme Lontra and Gabriel Ferraz now have positions in logistics and marketing. Additionally, Gabriel Ferraz now occupies the position of chapter Secretary. Marina Alfradique now occupies the position of Treasurer, replacing former member Sofia D'Orsi, who occupied the position of Treasurer, but she will no longer be part of the chapter as Sofia is graduating. Furthermore, Enzo Borges and Diana Tabach are no longer part of the chapter either.

We are still supporting the SPWLA Brazil for the International Student Paper Contest that will occur in the SPWLA International Symposium on May 19. On March 21, the Vice President and President organized a meeting with all chapter members and discussed future agendas that will take place throughout the year. The meeting agendas are listed in the topic "Upcoming Events."

### Upcoming Events

Goals	April	May	June	July
Change of treasury position				
Update post of Instagram page				
Selective process				
Webinar one - Professor Advisor: or internal other member UFRJ				
Webinar two - External member				
Petrel mini-course				
Presentation of the student chapter for new students				

	Stage completed
	Stage in process
	Future stage

As a way to promote and publicize the student chapter, we had the idea of posting monthly on our Instagram page so that new students could become interested and also increase the visibility of our chapter within the university. We are going to open our selective process to make our team grow even more. We are waiting for new students to enroll so we can begin the new selection process.

For the webinars, we had the idea of holding one webinar per month, the first of which was with Professor Advisor Jorge Picanço on the topic of reservoirs and the application of sequence stratigraphy.

For the second webinar, we would like to count on the presence of other professionals in the field of petrophysics. For this, we have two names as possibilities. Firstly, Professor Maira da Costa de Oliveira Lima Santo, PhD from COPPE/UFRJ, is in civil engineering in the area of petroleum systems. She developed her doctoral research at LRAP (Advanced Petroleum Recovery Laboratory) and today works mainly using MICP, NMR, and X-ray microtomography techniques. The second individual is Gilberto Raitz, Jr., who has a master's degree in petrophysics from UFRJ with an emphasis on petrophysical characterization and machine learning using petrophysical data.

The group members understood the need to learn about the Petrel software, so we are looking for a professional who can offer a mini course for the chapter members, but we have not yet received an affirmative response. We are organizing, in partnership with other chapters and the secretary of the course, a week of presentations about the geology course for the new students who are coming this year.

**THE UNIVERSITY OF TEXAS OF AUSTIN STUDENT CHAPTER**

**General News**

As the spring semester comes to an end, the student chapter of SPWLA at UT-Austin has held multiple events, some of which are the Distinguished Speakers’ seminars and the student paper contest.

**Recent Events**

**22 January 2024—UT SPWLA New Board Elections:** A new board was elected for the UT Austin Student Chapter. The new members are Nadia Mouedden (President), Ibrahim Hassan Gomaa (Vice President), Cristian Dominguez (Treasurer), Mariella Houry (Secretary), Dalma Cerro Arrieta (Public Relations Coordinator), Feiyue Xia (Design Coordinator), and Julio Villarroel (Social Media Coordinator).

**As part of the Distinguished Speakers Series, UT SPWLA organized the following seminars:**

All the in-person sessions at the University of Texas (UT) were also broadcast online through Zoom, and attendance was open to all interested, whether affiliated with the university or not. This approach increased attendance and was praised by those unable to attend the session.

**22 March 2024—**The first seminar was given by Mr. Andy Hawthorn (global solutions manager at Baker Hughes). His talk was titled “Changing the Game: Well Integrity Measurements Acquired on Drillpipe.” The event was held in person on UT Austin’s campus, and students had the chance to interact with Mr. Hawthorn after the session. This session was well attended, and positive feedback was received from the attendees.



Photo of the attendees engaged with Mr. Hawthorn during his talk.

**2 April 2024—**Mr. Tarek Mohamed, a PhD candidate at UT-PGE and previous President of SPWLA at UT Austin, presented a seminar on his paper titled “Using Formation Tester Measurements to Estimate Depth of Invasion and Water Saturation in Deeply Invaded Tight-Gas Sandstones.” This event was held on the UT campus and was well attended.



Group photo of the attendees with Mr. Mohamed.

**4 April 2024—Internal Student Paper Contest:** We held our internal student paper contest. The contestants gave amazing presentations that showcased their impactful research. Congratulations to Gabriel Gallardo for qualifying for the international competition in the PhD division. We wish him the best of luck. We would also like to express our gratitude to all six participants for participating, and special thanks to our dedicated judges, Prof. Dr. Carlos Torres-Verdin, Prof. Dr. Zoya Heidari, and Prof. Dr. Masa Prodanovic, for their feedback and time.

**9 April 2024—**Dr. Harry Xie (NMR senior advisor at Core Laboratories) presented a talk on “The Latest Developments of Laboratory NMR Techniques in Unconventional Shale Characterization.” This session was held through Zoom, and attendance was satisfactory.

  
 Student chapter  
 At The University of Texas at Austin  
**SPWLA UT**  
**Technical Session Series**

**The Latest Developments of Laboratory NMR Techniques in Unconventional Shale Characterization**

We will summarize key advances in laboratory NMR applications in unconventional shale characterization, including monitoring processes of liquids equilibrium, desiccation, and imbibition in fresh shale samples, determination of activation energy of hydrocarbons in shales, monitoring changes in a shale sample during liquid flooding experiment, and direct measurements on kerogen. Future NMR applications, such as in EOR, gas condensation, and saturation profile, will be discussed. Furthermore, we will review the following techniques: laboratory NMR, especially 23 MHz, techniques for unconventional shale sample measurements, 2D NMR T1-T2 mapping with an inter-echo spacing time of 0.7 ms at various sample temperatures, and early-time NMR signals acquired using the solid-echo pulse sequence together with pyrolysis results in kerogen studies.

**Dr. Z. Harry Xie**  
 NMR Senior Advisor at  


Dr. Z. Harry Xie received his PhD in Physics on solid state physics with emphasis on NMR relaxation from the University of Kent at Canterbury, UK, in 1994. He has been focusing on developing new NMR techniques, permeability models and petrophysical data processing for unconventional tight rocks such as oil and gas shales since he joined Core Lab in November 2012.

 **Apr. 9th, 2024**   
  **12:00 – 01:00 p.m.**   
  **Zoom**

  
**REGISTRATION**

  
 Hildebrand Department of Petroleum and Geosystems Engineering  
 Caldwell School of Engineering

The poster of the seminar presented by Dr. Xie.

**30 April 2024**—Dr. Artur Posenato Garcia (research petrophysicist at Chevron) presented his paper “A New Workflow for Assessment of Fluid Components and Pore Volumes From 2D NMR Measurements in Formations With Complex Mineralogy and Pore Structure.” His session was held on the UT campus.



### **Eric Ross Crain, P.Eng. December 23, 1940–March 21, 2024**

It is with great sadness that we announce the passing of Eric Ross Crain, lovingly known as Ross. Ross passed away peacefully with family by his side at his home in Calgary, Alberta. Ross was a man who lived a great adventure. He had three main passions: his work, his ranch, and his trains.

Ross grew up in Montreal, and after graduating with a bachelor's degree in engineering (electrical) from McGill University in 1962, he departed for the West. This set forth a career spanning over 60 years, specializing in the science and application of integrated petrophysics. From the beginning of his career, starting with Schlumberger to experience with PanArctic Oils, J.C. Sproule, and others, he built up his own company with innovative, ground-breaking well-log analysis and reservoir evaluation systems using microcomputers. He taught more than 3,000 students and worked globally, and his legacy will carry on by providing accessible information globally through his website, which was developed throughout his career.

Ross's work gained many accolades, but one that was very near and dear to him was the acknowledgment in 2019 for his contributions to the geoscience community when he was awarded the first Lifetime Achievement Award by the Canadian Well Logging Society (CWLS).

While his career was in oil and gas, Ross was always happiest at his off-grid home and Hereford cattle ranch, which he built from the ground up. In 1976, Ross saw the land, felt the love, and spent the next few years building on a full quarter section in west central Alberta, where he would spend the next 40 years. Here, he had a fulfilling ranch life that brought him joy, peace, and surely heartache at times when

his beloved furry friends would come and go. Nonetheless, everyone in the area knew of Ross and the "old Crain's place," which is probably how it's still known to this day.

The ranch didn't just house cattle. It was also a haven for any train lover or someone wanting to learn more about them. It was always amazing to see the hand-built sections of laid track, his favorite trains, and landscape that he created to make yet another playground at the ranch to spend many hours building and enjoying.

Ross joined SPWLA in 1977 and continued his membership and involvement throughout his career. One of SPWLA's first Petrophysical Software Directory listings, spec2000 (known as Crain's Petrophysical Handbook, now Accessible Petrophysics), his company offering comprehensive software, reference manuals, and petrophysical training, will continue through his loyal colleagues and friends.

For those who would like to read the full story of 83 years of adventures, work, trains, and critters, you can visit his website, where the stories and images of his years are archived. Grab a rum and coke, have a toast to Ross, and revisit the stories at [www.ross-crain.com](http://www.ross-crain.com).

## Welcome New Members – February 22, 2024 – April 17, 2024

**Aguila, Stephanie Eunice**, Batangas State University, Batangas City, Philippines  
**Aguirre, Jhon Aaron**, Batangas State University, San Pascual, Philippines  
**Alaras, Angel Rose**, Batangas State University, Nasugbu, Philippines  
**Althaf, Hasna**, UPN “Veteran” Yogyakarta, Sleman, DI Yogyakarta, Indonesia  
**Anand, Manas**, Oil and Natural Gas Commission, Nazira, Assam, India  
**Añonuevo, Andre Lorenzo**, Batangas State University, Batangas City, Philippines  
**Anyanwu, Winston**, Matador Resources, Plano, TX, United States  
**Aprillarosanti, Perla**, UPN “Veteran” Yogyakarta, Special Region of Yogyakarta, Indonesia  
**Aquino, Brixter**, Batangas State University, Lian, Philippines  
**Arce, Alexandre**, Petrobras, Lauro de Freitas, Bahia, Brazil  
**Arias, Jianelli Bernice**, Batangas State University, Rosario, Philippines  
**Artur, Paulo**, Petrobras, Rio de Janeiro, Brazil  
**Asi, Jd Lance**, Batangas State University, Batangas City, Philippines  
**Atienza, Roma Angela**, Batangas State University, Lemery, Philippines  
**Ayres, Huaila**, PPSA, Rio de Janeiro, Brazil  
**Azambuja, Neyma**, Petrobras, Rio de Janeiro, Brazil  
**Baecker, Bastian**, Baker Hughes, Spring, TX, United States  
**Bahlis, Andrea**, Enauta Energia, Rio de Janeiro, Brazil  
**Baron, Perrine**, TotalEnergies, Pau, France  
**Barreto, Bernardo**, Petrobras, Rio de Janeiro, Brazil  
**Barros, Jackson**, Petrobras, Natal, Brazil  
**Bektybayeva, Makpal**, SLB, Astana, Akmolinskaya, Kazakhstan  
**Bergamaschi, Gabriel**, Petrobras, Rio de Janeiro, Brazil  
**Beruela, Genghis**, Batangas State University, Tanauan City, Philippines  
**Bevilacqua Da M P De Vasconcel, Pedro**, Petrobras, Rio de Janeiro, Brazil  
**Binay, Lynch Frank**, Batangas State University, Batangas City, Philippines  
**Briones, Tristan Kim**, Batangas State University, Candelaria, Philippines  
**Cabaneros, Angelo**, Batangas State University, Tayabas City, Philippines  
**Cabatuan, Razel**, Batangas State University, Taysan, Philippines  
**Camara, Leonardo**, Petrobras, Rio de Janeiro, Brazil  
**Capuchino, Christine Ann**, Batangas State University, Lipa City, Philippines  
**Carreon, Acel**, Batangas State University, Padre Garcia, Philippines  
**Carvalho, Jorge**, Petrobras, Rio de Janeiro, Brazil  
**Cezar, Pedro**, Petroleo Brasileiro SA, Rio de Janeiro, Brazil  
**Chavez, Nicolaus Siemon**, Batangas State University, Cuenca, Batangas, Philippines  
**Chiappetta, Florencia**, Universidad Nacional de La Plata, La Plata, Tolosa, Argentina  
**Coelho, Eujana**, Petrobras, Rio de Janeiro, Brazil  
**Coronel, Ysabelle Anrie**, Batangas State University, Alitagtag, Batangas, Philippines  
**Cosentino, Stefania**, Degolyer and MacNaughton, Capital Federal, Argentina  
**Costa Barbosa, Nathalia Germana**, Federal University of Ceará, Fortaleza, Brazil  
**Cueto, Mary Grace**, Batangas State University, Batangas City, Philippines  
**Cueto, Von Jewel**, Batangas State University, Batangas City, Philippines  
**Dalisay, Prince Angelo**, Batangas State University, Batangas City, Philippines  
**Davies, Rod**, Saltpancove Consulting, NEWPORT, NSW, Australia  
**De Borja, Charity**, Batangas State University, Bongabong, Oriental Mindoro, Philippines  
**De Castro, John Kevin**, Batangas State University, Batangas City, Philippines  
**De Chavez, John Leo**, Batangas State University, Padre Garcia, Batangas, Philippines  
**De La Roca, Ivan**, Batangas State University, Batangas City, Philippines  
**De Oliveira, Artur**, Petroleo Brasileiro S.A., Macaé, Brazil  
**De Oliveira, Pedro**, UFC, Fortaleza, Ceará, Brazil  
**Dimapilis, Mickel Louise**, Batangas State University, Indang, Philippines  
**Dinglasan, Mary Grace Angelica**, Batangas State University, Batangas City, Philippines  
**Dipasupil, Christian Juztine**, Batangas State University, Batangas City, Philippines  
**Dumas, Khaye Edienne**, Batangas State University, Victoria, Oriental Mindoro, Philippines  
**Duyen, Le**, Hanoi University of Mining and Geology, Hanoi, Vietnam,  
**Ebe, Giancarlo**, Batangas State University, Batangas City, Philippines  
**Einsiedler, Jonatas**, Petrobras, Rio de Janeiro, Brazil  
**El Khoury, Mariella**, The University of Texas at Austin, Austin, TX, United States  
**Erdinc, Burak**, Colorado School of Mines, Ithaca, NY, United States  
**Evangelista, Lucas**, Universidade Federal Do Ceará – UFC, Fortaleza, Ceará, Brazil  
**Evea, Rhyan Antonio**, Batangas State University, Cabuyao City, Philippines



## Welcome New Members – February 22, 2024 – April 17, 2024

- Facundo, Francisco Leonardo**, Universidade Federal Do Ceará, Fortaleza, Nordeste, Brazil
- Faza, Arifa**, UPN “Veteran” Yogyakarta, Sleman, Yogyakarta, Indonesia
- Florendo, Jules Andrei**, Batangas State University, Olongapo City, Zambales, Philippines
- Foos, Martin**, UNLP, La Plata, Buenos Aires, Argentina
- Galario, Noeme**, Batangas State University, Lipa City, Philippines
- Gante, Mariane Shane**, Batangas State University, Bacoor, Cavite, Philippines
- Garcia, Clowie Irish**, Batangas State University, San Pedro, Laguna, Philippines
- Gatdula, Keith Brian**, Batangas State University, Candelaria, Quezon, Philippines
- Gavin, Matthew**, Baker Hughes, Hampshire, United Kingdom
- Gjesdal, Svein Are**, Equinor, Sandnes, Norway
- Golovatskaya, Gulnara**, JSC Research and Production Enterprise VNIIGIS, Oktyabrsky, Bashkortostan, Russia
- Gondra, Gene Elson Pius**, Batangas State University, Dolores, Quezon, Philippines
- Granada, Woodrow Stephen**, Batangas State University, Cabuyao City, Philippines
- Gumble, Jason**, Antora Geophysical, Golden, CO, United States
- Gutierrez, Lexene**, Batangas State University, Socorro, Oriental Mindoro, Philippines
- Hammami, Nabil**, PT. Geolog Indonesia, Jakarta, Indonesia, Indonesia
- Hao, Li**, Yangtze University, Wuhan of Hubei Province, China
- Huang, Lin**, China Oilfield Services Limited, Langfang, Hebei, China
- Isah, Abubakar**, King Fahd University of Petroleum & Minerals, Dhahran, Eastern Province, Saudi Arabia
- Ismail, Miguel**, Universidad Nacional de Rosario, Monteros, Tucuman, Argentina
- Jianyong, Zhang**, CNOOC, Sanhe, Yanjiao, China
- Jimenez Soto, Grisel**, UTP, La Paz, Bolivia
- Kato Pacheco, Erica**, Petrobras S.A., Rio de Janeiro, Brazil
- Kharaba, Amjad**, Saudi Aramco, Dhahran, Eastern Region, Saudi Arabia
- Kindyuk, Vladimir**, Gazprom-neft, Saint-Petersburg, Russia
- Kolisnyk, Alexandre**, Petrobras, Rio de Janeiro, Brazil
- Larbi Zeghlache, Mohamed**, Saudi Aramco, Dhahran, Saudi Arabia
- Leonida, Arnold Janssen**, Batangas State University, Naujan, Philippines
- Li, Xiongyan**, CNOOC Research Institute, Beijing, China
- Lionetto, Federico**, U.N.Córdoba, Córdoba, Argentina
- Liu, Bo**, Baker Hughes, Beijing, Chaoyang Distri, China
- Lumanglas, Arnel**, Batangas State University, San Juan, Philippines
- Lumbantobing, Aprilia**, UPN “Veteran” Yogyakarta, Bekasi, Jawa Barat, Indonesia
- Macaraeg, Miguel Antoni**, Batangas State University, Padre Garcia, Philippines
- Maciuca, Daria**, Bacau, Bacau, Romania
- Magcalas, Alyssa Rubie**, Batangas State University, Albay, Philippines
- Mahavadi, Sharath Chandra**, SLB, Cambridge, MA, United States
- Mauricio, Julio Cesar**, Petrobras, Rio de Janeiro, Brazil
- Mayo, Maria Anne Julia**, Batangas State University, Batangas, Philippines
- Mejia, Daniela**, UIS, La Unión, Antioquia, Colombia
- Mendoza, Nicko**, Batangas State University, Batangas City, Philippines
- Mercado, Reign Gabriel**, Batangas State University, Laguna, Philippines
- Ming, Chen**, CNOOC, ZhanJiang City, PoTou District, China
- Mojid, Muhammed**, University of Houston, Houston, TX, United States
- Molina, Ailen**, Universidad Nacional Del Sur, Bahía Blanca, Buenos Aires, Argentina
- Nguyen, Binh**, JX Nippon Oil & Gas Exploration Corporation, Hanoi, Vietnam,
- Noronha, Monica**, Petrobras, Petropolis, Brazil
- Ofremu, Gibson**, Narag Energy Solutions, Washington, DC, United States
- Oyegwa, Akomeno**, Chevron, Lagos, Nigeria
- Pacia, Kobe**, Batangas State University, Batangas City, Philippines
- Pangestu, Farizki Budi**, UPN “Veteran” Yogyakarta, South Jakarta, DKI Jakarta, Indonesia
- Parato, Jerome Patrick**, Batangas State University, San Pablo City, Philippines
- Pardede, Lumban**, Halliburton, Hounslow, United Kingdom
- Pasco, Symon Joshua**, Batangas State University, San Pablo City, Philippines
- Pelc, Piotr**, Shell, Krakow, Malopolska, Poland
- Perez, Ron Jacob**, Batangas State University, San Jose, Philippines
- Pessoa, Fares**, Petrobras, Rio de Janeiro, Brazil
- Pila, Brent Denson**, Batangas State University, San Jose, Philippines
- Pratama, Fauzan**, Universitas Pembangunan Nasional Veteran Yogyakarta, Special Region of Yogyakarta, Indonesia
- Qian, Yuping**, China Oilfield Services Limited, Langfang, Sanhe, China
- Qiangyong, Gao**, CNOOC (China) Limited TianJin Branch, TianJin, BinHai, China

## Welcome New Members – February 22, 2024 – April 17, 2024

**Quarles, Andrew**, Endeavor Energy Resources, Midland, TX, United States

**Quelali, Leidy**, Universidad Mayor de San Andres, La Paz, Bolivia

**Rakela, Tribor**, Halliburton International, Panama City, Panama

**Ramadan, Zeyad**, SLB, Katy, TX, United States

**Ramos, Jan Ritz**, Batangas State University, Batangas City, Philippines

**Reis, Daniel**, Petrobras, Rio de Janeiro, Brazil

**Reyes, Jose**, TotalEnergies, Croissy-Sur-Seine, France

**Reyes, Mary Rhose**, Batangas State University, Lipa City, Philippines

**Rocha, Ana Carolina**, Universidade Federal do Ceará, Fortaleza, Ceará, Brazil

**Rohaman, Maman**, Universitas Pembangunan Nasional Veteran Yogyakarta, Special Region of Yogyakarta, Indonesia

**Roldan, Delfina**, Universidad Nacional de Córdoba, Córdoba, Córdoba, Argentina

**Rosa, Anabela**, Petrobras, Rio de Janeiro, Brazil

**Sá, Gabriel**, UFRJ SPWLA Student Chapter, Niterói, Rio de Janeiro, Brazil

**Salma, Alina**, UPN “Veteran” Yogyakarta, Boyolali, Central Java, Indonesia

**Samarita, John Patrick**, Batangas State University, Oriental Mindoro, Philippines

**Samson, Maryvelle Aizen**, Batangas State University, Cavite, Philippines

**Santoro, Orlando**, Petrobras, Rio de Janeiro, Brazil

**Semilla, Razzel Carl**, Batangas State University, Batangas City, Philippines

**Sheng, Da**, CNOOC, Beijing, China

**Silva, Gabriel**, Petrobras, Rio de Janeiro, Rio de Janeiro, Brazil

**Silva, Miguel**, Universidade Federal do Ceará, Fortaleza, Ceará, Brazil

**Silvestre, Antonio**, Petrobras, Rio de Janeiro, Brazil

**Smeu, Andrei**, University of Bucharest, Bucharest, Romania

**Superable, Kean**, Batangas State University, Batangas City, Philippines

**Sutiyono, Sigit**, Petronas, Subang Jaya, Selangor, Malaysia

**Talento, Rosemarie Jan**, Batangas State University, Rizal, Philippines

**Teixeira, Jonatas**, Petrobras, Rio de Janeiro, Brazil

**Temnikova, Elena**, University of Alberta, Edmonton, AB, Canada

**Umamah, Ayu**, UPN “Veteran” Yogyakarta, Sleman, Yogyakarta, Indonesia

**Urnada, Dita Syiva**, UPN “Veteran” Yogyakarta, Cirebon, West Java, Indonesia

**Valente, Marcelo**, Petrobras, Rio de Janeiro, Brazil

**Varignier, Geoffrey**, TotalEnergies, Le Cheylard, Ardeche, France

**Vemmer, Thor**, Batangas State University, Oriental Mindoro, Philippines

**Victor, Rodolfo**, Petrobras, Rio de Janeiro, Brazil

**Villalobos, Julian Nicole**, Batangas State University, Lemery, Philippines

**Villanueva, Adrian Ian**, Batangas State University, Taal, Philippines

**Villena, Rhoi Hedric**, Batangas State University, Batangas, Philippines

**Virtusio, Menchie**, Batangas State University, San Juan, Philippines

**Wærum, Per Erik**, Per Erik Wærum, Hafrsfjord, Norway

**Wang, Xiannan**, CNOOC China Ltd.-Shenzhen, Shenzhen, Nanshan, China

**Wang, You**, SLB, Sugar Land, TX, United States

**Yan, Zehua**, Yangtze University, Wuhan of Hubei Province, China

**Yan, Zeming**, Beijing Benbao Zhongyou Science & Technology Development CO LTD, Beijing, China

**Yang, Gengxiao**, University of Electronic Science and Technology of China, Chengdu, China

**Yin, Lu**, China Oilfield Services Limited, Beijing, Chaoyang, China

**Zaggas, John**, Halliburton, Houston, TX, United States

**Zhang, Peng**, CNOOC, Beijing, China

