

spwla today



NEWSLETTER

Did you know?

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



Do you know what else was created in Scotland?



Interactive
Petrophysics

Created in Scotland, changing
the world of petrophysics forever.

Petrophysics Journal

PAPERS

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



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INSIDE THIS EDITION

From the President.....	7
From the Chief Editor	9
Board of Directors Reports	
• Up Next.....	10
• Tech Today	13
• Financial Times	16
• Learning Opportunities	18
• Informative Technology.....	19
• The Feed	20
• Regional Understandings.....	21
The Bridge	27
Symposium Post-Event Summary.....	35
Words of Wisdom From SPWLA 2024 Pioneer Awardee: Prof. Weng C. Chew.....	44
Board Minutes.....	47
Flyer Call for Papers.....	49
Chapter News.....	54
New Members.....	82



NMR Applications for Carbon Storage

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✉ magres@oxinst.com

🌐 nmr.oxinst.com/geospec

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



President-Elect
Robert "Bob" Gales
Halliburton
Houston, TX USA
President-Elect@spwla.org



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



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



VP Publications
S. Mark Ma
Saudi Aramco
Dhahran, Saudi Arabia
VP-Publications@spwla.org



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



VP Technology-Elect
Robin Slocombe
SLB
Doha, Qatar
VP-Technology-Elect@spwla.org



VP Education
Matt Blyth
SLB
Houston, TX USA
VP-Education@spwla.org



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

The Society of Petrophysicists and Well Log Analysts
REGIONAL DIRECTORS
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N. America 1
James Hawkins
Core Geologic
Houston, TX, USA
Director-NA1@spwla.org



N. America 2
Clara Palencia
Conoco
Houston, TX USA
Director-NA2@spwla.org



Latin America
Marta Inés D'Angiola
Weatherford
Buenos Aires, Argentina
Director-LA@spwla.org



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



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



Middle East/Africa
Elsa Maalouf
American University of Beirut
Beirut, Lebanon
Director-ME@spwla.org



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



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



Publication Manager
Anna Tarlton
InkSpot Printing
(+1) 713-472-1100
orders@inkspotprinting.com

CALENDAR OF EVENTS

September 9–11, 2024

2024 Topical Conference SPWLA East China Chapter
Hangzhou, China
www.spwla.org

September 12–13, 2024

The 29th Formation Evaluation Symposium of Japan
JOGMEC-TRC
Chiba, Japan
www.spwla-ifes.org

September 19, 2024

SPWLA Formation Testing SIG 2024 Conference
Houston, TX, USA
www.spwla.org

October 6–10, 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

May 17–21, 2025

SPWLA 66th Annual Symposium
Dubai, UAE
www.spwla.org

About the Cover

Scenes from the SPWLA 65th Annual Symposium held in Rio de Janeiro, Brazil on May 18–22, 2024. Photos courtesy of Philippe Theys.

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



Julian N. Hulea
2024–2025 President

Dear colleagues,

A few weeks ago, I had the privilege to catch up with some of you in the amazing Rio de Janeiro during our symposium. As you know, the symposium is where the new board starts its term, and we managed to complete the handover in an iconic place. Thank you again, Jennifer, for your hard work during your term!



First, I would like to welcome the new board, a good mix of people who have served already on the board and newcomers. While we are a small organization, and communication is straightforward, I encourage all of you to contact your Chapter President/Regional Director if there's anything you need. It's worth highlighting here that Bob Gales (President-Elect) will represent the SIGs on the board. The work started last year to help improve standards and communication between the SIGs will be continued, and I am certain – improved! This is also a good moment for the SIGs to consider proposing workshops/special sessions for next year's symposium!

Concerning the Rio 2024 symposium, I am happy to report it has been a success (we were close to 500 attendees). Here are some more relevant numbers if you are interested.

Summary

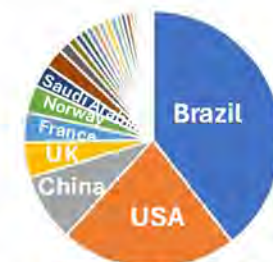
489 Attendees

- 354 Delegates
- 47 Students
- 60 Exhibitors
- 28 Partners

- 110 Oral Presentations
- 35 Poster Presentations
- 18 Exhibitors & 12 Sponsors
- 6 Workshops & 2 Field Trips
- 3 Social Events & Lots of Networking
- Donations Collected for Rio do Sul Flood



SPWLA
Brazil chapter



From the President

This is a good moment to assure you we are already working on the Dubai symposium and planning engagements with the local committee led by Muhammad Gibrata. The Technical Committee is in the capable hands of Harry Xie (VP Technology) and Robin Slocombe (VP Technology-Elect)

In the broader scheme of things, my main goal this year is to keep promoting transparency and consistency. A few years ago, we started an effort with Carlos Torres-Verdín in this direction, and I am glad to see the metric for abstract evaluation is being used and published before the abstracts submission system is open. If you have strong feelings about transparency and consistency, please get in touch with me, especially if you have practical ideas for improvements. Please remember that if you have an idea YOU can work on, I am even more receptive to hearing it!

On another front, SPWLA has joined forces with SEG to host the workshop, “Seismic Petrophysics Symposium,” to be held 6–8 October 2024 in Al Khobar, Saudi Arabia. This is one of the directions we are exploring to improve the visibility of our organization in the Middle East. Next to that, the topical/regional conferences are coming back on the agenda thanks to our Thailand (“Traditional and Transitional Petrophysics,” 6–9 October, Bangkok) and Malaysia Chapters (“Petrophysical Insights: Key to Unleashing Potential in Mature and Marginal Fields,” 12 November, Kuala Lumpur, Malaysia, <http://www.fesmkl.com/>).

The last thing I want to remind you is that what sets us apart from other professional organizations is our volunteers. Please volunteer, especially if you would like to change something! It is an honor and pleasure to serve the SPWLA in this volunteering role. Thank you again for the faith you had in electing me!

Best regards,
Iulian N. Hulea
2024–2025 President

From the Chief Editor



S. Mark Ma
2024–2026
Vice President Publications

Dear colleagues,

What is new to the SPWLA today? The 2024 Rio annual symposium was accomplished with great success. Congratulations! The 2025 Dubai symposium is coming soon, so be prepared!

As VP Publications, this is my second letter to the SPWLA community. The first was published in the June 2024 issue of *Petrophysics*, featuring Emerging Petrophysics. You are welcome to check it out if you have not already done so. I am sure that all of us can learn something new about the future of nuclear technology, nuclear waste handling, rocks and hydrogen, automation of facies classification, borehole image interpretation, and shale source rock characterization and quantification. For any questions, comments, or suggestions, please join the live discussion group on LinkedIn, "[Petrophysics Journal-SPWLA](#)," so we can all learn together.

In addition, keep an eye out for the August issue of *Petrophysics* on the Advancements in Mud Logging. Does mud logging log mud or mud gas and drilling cuttings? Why is it also called surface logging? Which name, mud logging or surface logging, do you prefer? Can some reservoir oil PVT properties be predicted by analyzing mud gas?

Let's hear from you!

S. Mark Ma

Vice President Publications

Up Next



Robert H (Bob) Gales
2024–2025
President-Elect

I look forward to my new role as President-Elect and working with Iulian Hulea next year. Iulian covers many of his initiatives in his letter. A few key initiatives I will be tackling are (1) SIG engagement as their representative on the board, (2) visiting with each chapter for ideas on how we can encourage membership, and (3) working with Iulian and the board to expand regional engagement. Watch for emails to arrange calls. More to come in future newsletters. This is your society. Feel free to reach out at any time.

It has been an honor to serve you as VP Technology and work with a great team for a successful 65th Annual Symposium, May 18–22, 2024, in Rio de Janeiro, Brazil. Not only was it a great setting overlooking the beach, we had a great layout for ease of transition between sessions and exhibits. We thank the sponsors and exhibitors for their support and the great social events sponsored by Baker Hughes, Halliburton, and slb that fostered the networking.



All this would not be possible without the commitment of our members. Thank you to all the volunteers who made it possible—from all the authors submitting a recent record 417 abstracts, the 53 Technical Committee Members who reviewed abstracts and manuscripts, the 56 Session Chairs (with some duplicates) who reviewed manuscripts, posters, and presentations and kept each of the 25 sessions (22 oral and 3 poster) on schedule, even with a few technical glitches, the 21 instructors who conducted 5 workshops, all the delegates who judged presentations, and the Brazil Symposium Committee for their work from inception through closing. Special thanks to Sharon and Stephanie for answering my numerous questions and helping to keep us on an accelerated 11-month schedule, and Harry Xie for numerous discussions and support to build another successful symposium. The next symposium is in great hands, with Harry Xie as VP Technology and Robin Slocombe joining as the new VP Technology-Elect. I am already looking forward to the Dubai Symposium in 2025. Harry will share some new ideas for continued symposium improvement and process transparency and consistency.

We ended up with 489 registrants, 354 delegates, 47 students, 50 exhibitors, and 28 partners. Registrations represented 31 countries. (See details in Iulian's letter.) It is encouraging to see the large participation from Brazil, showing the advantage of rotating symposia around the world for increased local engagement. It was also encouraging to see more attendance from our Asia Pacific members. Continuing to grow global membership and engagement is a high priority of the Board of Directors.

As noted above, we had a recent record of 417 abstracts submitted. This resulted in 170 accepted abstracts, 110 oral presentations, and 35 posters after withdrawals. The Poster section was expanded to keep our acceptance level at 35 to 40%. This was great, expanding global participation as all but three of the 20 added abstracts were from outside the United States and Europe. For the third year, we used the same rating criteria. For more details on geographic and evaluation criteria, see prior VP Technology columns.

Up Next

It was great to see the Session attendance throughout the Symposium. No surprise that ultradeep azimuthal resistivity had four sessions “owning a room” for all of Tuesday with the increased industry use. Even more surprising was the attendance in the last sessions on Wednesday—a testament to the quality of the talks and delegate interest in learning. Overall, an excellent job by all the authors with only a couple of glitches, with plans in place to avoid those in the future.



We continued the peer-voted “Best Presentation of the Day” first implemented in Stavanger in 2022. Votes for Wednesday were tracked up to 10 minutes before closing.

- Monday: SPWLA-2024-0001: “A Case Study Utilizing Cost-Effective LWD Ultrasonic Imaging Technology in Unconventional Asset Development,” Pingjun Guo, Brett Zastoupil, Laurin Musso, Steven Sowers, and Mohammed Bousaleh, ExxonMobil
- Tuesday: SPWLA-2024-0069” “Integrated Application of Advanced Logging While Drilling for Understanding Altered Basement Rocks: A Case Study From the Norwegian North Sea,” Sayyid Ahmed, and Gianbattista Tosi, Halliburton; Lars Riber, Ingrid Piene Gianotten, Ophelie Durand, Sanaz Javid, Ole Johan Hornenes, and Nils Andre Aarseth, Aker BP; Robert Gales, Sriramantha Chakraborty, Sami Eyuboglu, Karol Riofrio Rodriguez, and Richard Michael Holland, Halliburton
- Wednesday: SPWLA-2024-0102: “Obtaining Remaining Oil Saturation for the Johan Sverdrup Field From a Variety of Logging Data,” Brice Fortier, Eirik Berg, Hege Christin Wideroe, and Margarete Kopal, Equinor; Tom Bradley and Tor Eiane, Baker Hughes

Up Next

We implemented another online application this year to speed up the rating of presentations and posters and allow us to get to “Best of Symposium Papers and Posters” more quickly for publication in the *Petrophysics* journal. We received over 600 ratings; over 80% of the accepted ratings for selecting “Best of Symposium” were submitted via online evaluation, continuing with metrics that have been in place the prior 2 years. The “Best of Symposium” will be posted once finalized within the next month.

Thanks to Tegwyn Perkins, VP Information Technology, for building this and adding Harry and my “testing” comments. Even with this resounding “first test” success, we have a few recommendations to improve for 2025 and beyond. We (Harry and Robin) welcome ideas to continue to improve these initiatives.

Once again, thanks to all the volunteers who made the 65th Annual Symposium a success and the SPWLA a vibrant community of geoscientists who openly share knowledge. I look forward to jumping into my new role and look forward to your continued support.

Regards,
Robert H (Bob) Gales
2024–2025 President-Elect

SAVE THE DATE

JOIN US IN DUBAI

SPWLA
DUBAI 2025

66TH ANNUAL SYMPOSIUM
MAY 17-21, 2025

@ HILTON AL HABTOOR CITY

The banner features a green-to-red gradient background. The text is arranged in a dynamic, angled layout. The SPWLA logo includes a stylized skyscraper icon above the letters 'W' and 'L'.



Harry Xie
2023–2024 Vice President
Technology

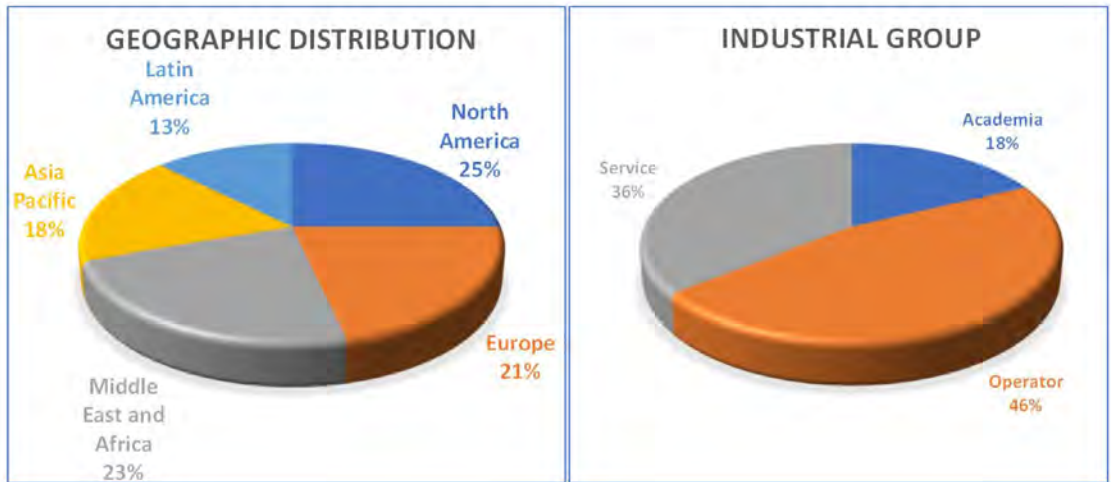


Robin Slocombe
2024–2025 VP
Technology-Elect

Dear colleagues,

Welcome to our first joint column for the *SPWLA Today* newsletter as the newly elected VP Technology Team 2024–2025. Here, we would like to express our sincere appreciation for your trust and support in electing us to serve the SPWLA. While many of you are still immersed in the happy memories that you brought back from yet another successful symposium in Rio de Janeiro, Brazil, we have started the preparation of the 66th Annual Symposium to be held in Dubai, UAE, on May 17–22, 2025. Here, we are delighted to report the progress made in the preparation.

As the first task of the Technology Team, we formed our Technology Committee (TC), which consists of more than 50 members. The considerations behind the selection of the TC members include striking a balance between maintaining an experienced team and encouraging younger people to participate. A large majority of the TC members have served for 2 years or less, and more than one-third of the team are newly added. We are also trying to strike a balance among all industry sectors of operators, service or consulting companies, and academia while giving more voices to operators. It is one of our goals to keep a geographically even distribution of the TC members to reflect the potential participation of the annual symposium. Pending the final confirmations of our potential TC members, here are some charts to illustrate the distributions of the global regions and industrial sectors of the TC member composition. Of course, we encourage more female colleagues to get involved in our technological programs. We have about 40% of female members in the TC.



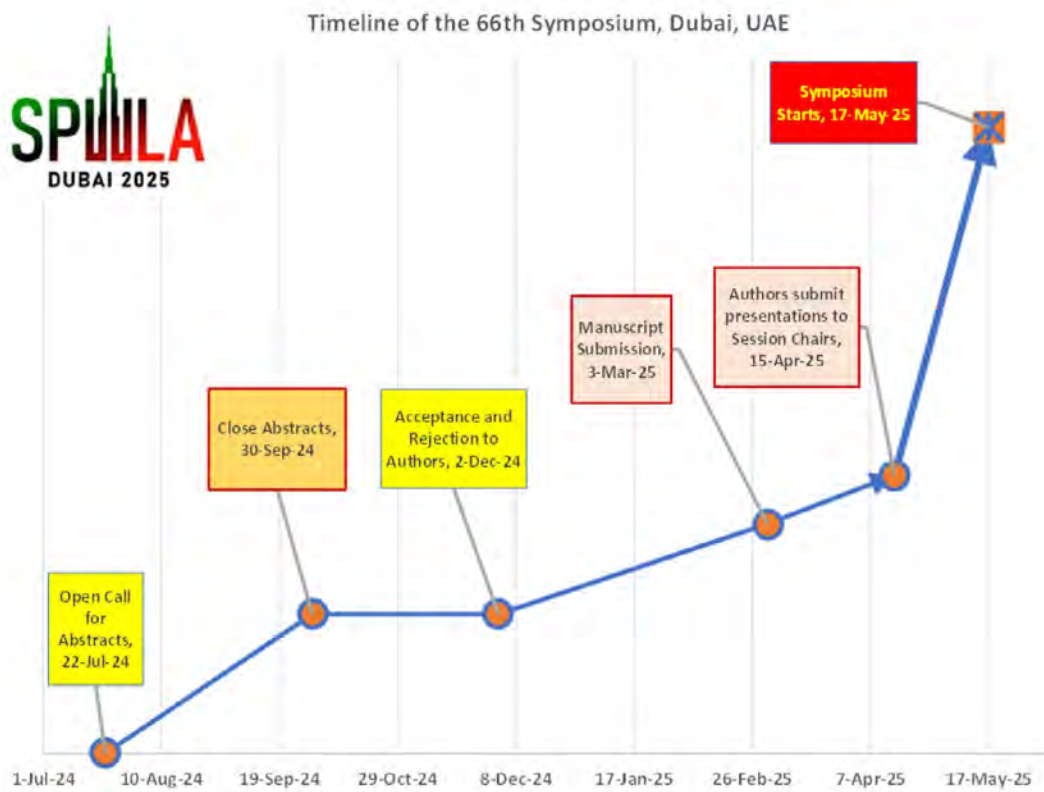
Besides the Technology Committee, there are many other ways for the SPWLA members to get involved in all kinds of technical programs. For example, we encourage everyone to propose ideas for specially organized sessions, ideas for workshops, and other technical activities at the Dubai symposium. Please feel free to send us your proposals.

For the 66th Annual Symposium, we propose the following themes and topics (not finalized). There are nine themes consisting of 22 topics. If you do not see your topic(s) in the list, again, please submit your proposals for the specially organized sessions at the symposium.

Themes and Topics of the 66th Annual Symposium

Theme 1	Measurement Technologies
1	Acoustics Technology and Applications
2	Imaging Technology, Interpretation, and New Applications
3	NMR Technology and Applications – High or Low Fields, Pores, and Fluids
4	Nuclear Technology and Applications – Mineralogy, Fluids, and True Porosity
5	Specialized Measurement Technologies and Interpretation Methods
6	Ultradeep Measurement Technology
Theme 2	Measurement Integration
7	Formation Evaluation of Conventional and Unconventional Reservoirs
8	Integrated Openhole Formation Evaluation
9	Multiphysics/Multidisciplinary Core to Reservoir Models
Theme 3	Core Analysis
10	Core and Well-Log Integration
11	Digital Rock Physics for Formation Evaluation and Core
Theme 4	Cased Hole
12	Casedhole Formation Evaluation
13	Casedhole Surveillance
Theme 5	Mud Logging
14	Surface Data Logging – Rock and Fluid Analysis
Theme 6	Digital Technologies
15	Automated Methods of Formation Evaluation
16	Novel Applications of Data Analytics, Machine Learning, and AI
Theme 7	Energy Transition
17	Energy Transition: Petrophysics for CCUS
18	Energy Transition: New Technology and Applications
Theme 8	General
19	Case Studies
20	New Technologies and Applications
21	EOR Technologies and Applications
Theme 9	Formation Specific
22	Carbonates Evaluation and Special Applied Technologies

As always, your involvement is crucial to a successful symposium. The preparation process is open, transparent, and consistent. The timeline of the symposium is as follows:



The “Call for Abstracts” will be launched on July 22, 2024. You will have more than 2 months to write your abstracts to share your thoughts, new ideas, and new data with the society. The Technology Committee will be working extremely hard to review and judge all the submissions. The decisions will be made by the end of November 2024. All authors will be notified on December 2, 2024.

Please put your ideas together, keep your machine running, and get your abstracts ready this summer. We look forward to receiving your submissions.

Yours sincerely,

Harry Xie
2024–2025 VP Technology
VP-Technology@spwla.org

Robin Slocombe
2024–2025 VP Technology-Elect
VP-Technology-Elect@spwla.org

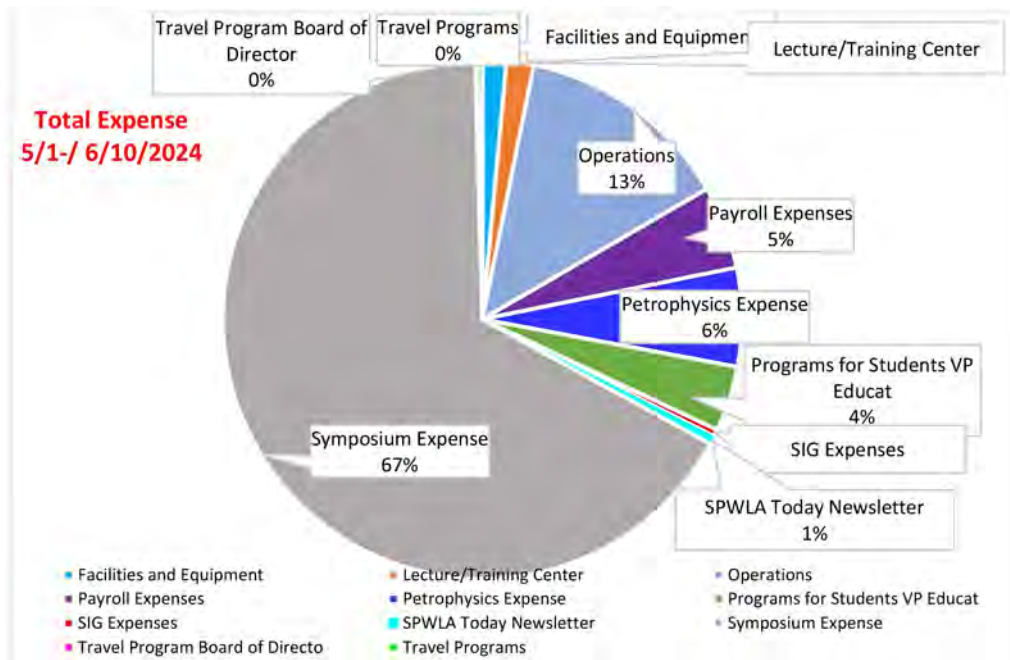
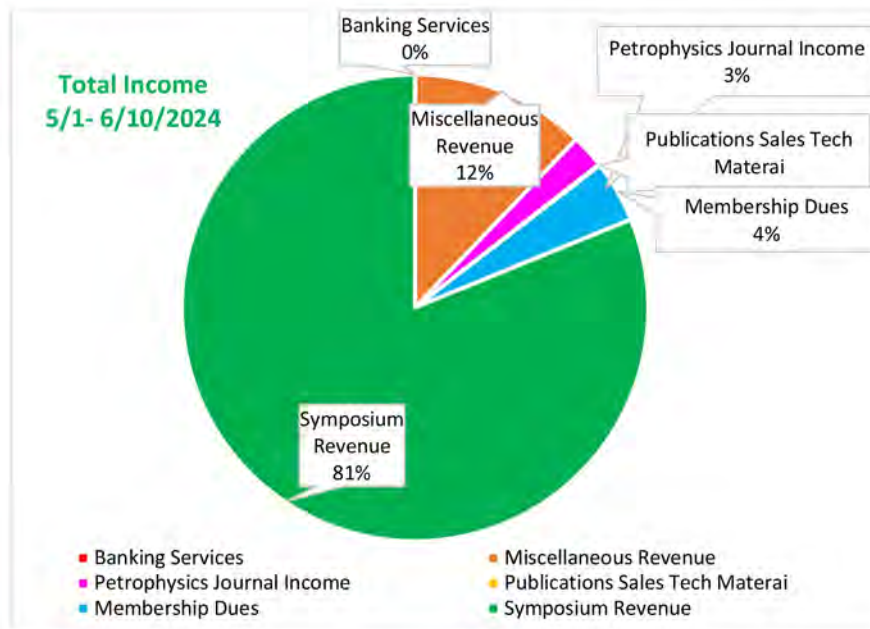


Jing Li
2023–2025 VP Finance,
Secretary, and
Administration

Dear SPWLA colleagues,

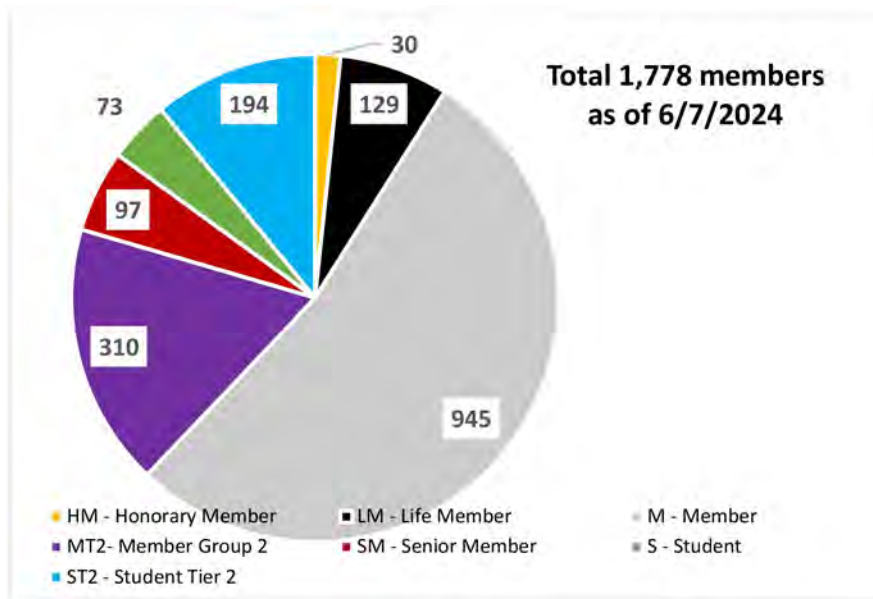
The financial status of the SPWLA has been steadily growing and remains healthy. We are pleased to announce that the CPA has completed the fieldwork for the audit for the fiscal year 2023, a crucial step in our commitment to financial transparency. The next step in the audit process is the filing of the IRS tax forms on behalf of SPWLA.

Below are the pie charts in percentages that show the income and expenses between May 1 and June 10, 2024.



Financial Times

As of June 7, 2024, 32 copies of printed *Petrophysics* journals had been sold, and the society had 1,778 members. Below are the percentages for different categories.



We are currently working on the finances for the annual symposium, and more updates will be shared in the next column. We are collaborating with the entire board of directors and planning for the 2024–25 budget.

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



Matt Blyth
2024–2026
VP Education

Dear SPWLA Community,

Hello! I am the new VP Education for the society, so I thought I would take this opportunity, as it's my first *SPWLA Today* article, to introduce myself and outline a little of what I have in mind for the role over the next 2 years. I am one of those SLB lifer people, having joined in 1997 when I was not long out of university, and I am now coming up on 27 years with the company. My whole career has been on the LWD side, from working in the field when it was known as Anadrill, and LWD was still the newbie, to watching it become one of the largest parts of SLB. During this time, I have worked in a variety of roles, including spending 4 years teaching new-hire LWD field engineers in one of the SLB training centers. Currently, I am looking after the long-term technical roadmap for LWD acoustics and LWD seismic, and I may have interacted with many of you as part of the SPWLA Acoustics SIG or when I was Regional Director for the NA2 region.

So, what do I want to do in the VP Education role? Well, it is clear that this position has grown considerably in importance over the last few years now that almost everything we do is online. There are several key activities that I plan to support and grow over the next 2 years, and I would like to try a few new ideas, too.

- **The Distinguished Lecturers.** These are a key part of the monthly talks held across all our chapters. The new 2024/25 DLs will be announced soon once all the paper rankings from the Rio conference are complete. I will work to ensure that the speaker details are provided promptly to the chapters and that regular global webinars are set up each month throughout the year. Additionally, we are inviting the local chapters to submit their best speakers from the 2023/24 seasons for recognition at a similar level.
- **Webinars and Short Courses.** These are something that I think we have the potential to deliver a lot more of. Oliver Mullins has already kindly offered to deliver a three-day course on Reservoir Fluid Geodynamics in September (details will go out shortly). I hope to have as many courses as we can arrange throughout the year. If you are interested in giving a short course, please contact me directly at VP-Education@spwla.org! We also have some interesting new options for on-demand learning. In this case, the course will be available to purchase over a fixed period, and then all registrants will have several weeks to complete the course at their own pace while watching a series of prerecorded lectures. The instructor will hold regular, live Q&A sessions throughout the course period for people to ask questions. These educational opportunities are a unique benefit of SPWLA membership!
- **The More You Know Series.** This lecture series disappeared for the last few years but is now returning, with our first one coming in September. Here, companies get to deliver a commercial presentation on a particular service of interest to our members for a donation to the society. As we are a volunteer-led society, and the vast majority of our income comes from the annual conference proceeds, alternate sources of income are hugely important, and I hope to be able to hold more of these over the next few months.
- **New Ideas!** I have a few new ideas for things that might be of interest to members. We have a huge repository of knowledge and experience within our membership, and some people are legends in their own lifetime. How do we capture what they know for future generations, and how do we record their experiences within the industry? I have been contemplating something along the lines of a "Fireside Chat" series, but that is still under development. Also, based on recent experience teaching the Acoustics workshop in Rio, it is clear that there is a market for both basic training in logging tool concepts and the workflow that turns a measurement into the data used in petrophysical analysis and for something else focused on advanced applications. I think we could develop a repository of online training in basic concepts that can be a resource for SPWLA members, both student and experienced, particularly with the reduction in training and travel for conferences over the last few years. Lastly, at least for now, is the whole field of new energy. I would bet that although many of us have heard a lot of terminology and buzzwords, we are unfamiliar with exactly what role petrophysics can play in these fields and how these businesses work. I think education can work with the ASET SIG on several opportunities here.

Finally, I would like to give a shout-out to Sharon and Stephanie in the SPWLA office and the Brazil Chapter team for all the work they did to make the Rio conference the success it was. After initial concerns about attendance numbers, it was great to see such a busy, thought-provoking, and active conference! I would also like to thank those who voted for me for the role and mention my co-nominee, Jennifer Duarte, who has very graciously agreed to be part of the Education Committee for the next year. I hope we can accomplish some great things going forward that help to grow the SPWLA and show the value of membership!

Take care!
Matt Blyth



Tegwyn JP Perkins
2024–2025 VP Information
Technology

Well, wasn't the SPWLA Symposium in Rio de Janeiro a fun, well-organized, and educational event? I'd like to thank the Organizing Committee, led by Lucas Abreu Blanes de Oliveira, the Technology Committee, led by VP Technology Robert Gales (and ably supported by VP Technology-Elect Harry Xie), and all the attendees for contributing to such a successful event. However, the greatest appreciation should go to Sharon Johnson and Stephanie Turner for their behind-the-scenes efforts, ensuring the event ran as seamlessly as possible.

As immediate Past President, I was responsible for presenting the individual awards that the membership had nominated, and the Awards Committee had voted on. A list of the awardees was presented in the May edition of *SPWLA Today*. Many worthy nominations were made, but given the society's bylaws, we were constrained as to how many we could award in certain categories. The board will discuss whether we need to review the entire process at a future meeting.

In addition to the Paper Presentation of the Day, we made ranking presentations available to all symposium participants using a simple web app. It appears to have been very popular as we received hundreds of responses during the symposium, and many more have been submitted

subsequently. VP Technology, Robert Gales, will be announcing the results shortly.

We are on track for an August release of our new website. This is going to be an upgrade to the existing spwla.org. It will not include the functionality that currently exists on SPWLAWorld.org, but the plan is to migrate some, or ideally all, of the functionality over the next year.

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

THE FEED



Chelsea Newgord
2023–2025
VP Communications

Ola SPWLA colleagues!

It was great to be at the SPWLA 65th Annual Symposium in Rio de Janeiro on May 18–22, 2024! Thanks to my employer, ExxonMobil, for supporting the trip. I learned a lot professionally and was also busy with supporting SPWLA as the VP Communications.

I made daily posts that included pictures and updates, so check back on our social media accounts to see what was shared! Here's a screenshot of what they look like from Instagram:



Over the past year, I worked closely with [Adna Vasconcelos](#), VP Publications for the SPWLA Brazil Chapter. After all of our work together, it was nice to meet in person! She contributed a lot to the promotion and communication of this event.



The SPWLA Communications team also has a 2-minute video compilation of the symposium. This was put together by [Rodrigo Azambuja](#) and can be found on the SPWLA YouTube channel.

I'm looking forward to one more year of serving the SPWLA community. If you would like to learn or contribute your own social media skills, please reach out to me! We have webinars, trainings, regional workshops, Distinguished Speakers, and journals to promote and can use help creating content.

Thanks, and obrigada!

~ Chelsea Newgord

VP Communications 2023-2025

VP-Communications@spwla.org



Regional Understandings—North America 2



Clara Palencia
2023–2025 North America 2
Regional Director

Dear SPWLA members,

This time, I would like to share with you my personal experience at the SPWLA 65th Annual Symposium in Rio De Janeiro, Brazil, and hopefully encourage friends, colleagues, professionals, professors, and students to find a way to participate and get involved next time. The Brazil Chapter and all the committees did a wonderful job putting this symposium together and making every moment memorable and worthwhile.

I enjoyed every moment, starting with the International Student Paper Competition (ISPC), in which students from different

parts of the world presented their projects and had the opportunity to be in front of highly experienced judges, practicing their presentation skills in a safe environment, receiving good feedback from the audience, with support and understanding, and basically making them feel secure and proud of themselves. It was great to have the opportunity to see the students growing and achieving their dreams.



The conference's technical content was outstanding, starting with the keynote speaker through all the talks and posters. It really showed the effort of the Technical Committee in reviewing and selecting the papers.

Then, being part of the symposium as an exhibitor, having the opportunity to meet and talk to many great professionals, and getting the networking experience to another level, which is so good for both your company and you, allowed me to be informed about new research, technology, projects, market share information, and so much about the direction the industry is moving towards.



I want to thank the Boston, Bakersfield, Oklahoma, OU, Denver, NOLA, Tulsa, and Midland officers for their unstoppable contributions to our community. I admire their passion and sense of responsibility within their chapters. They balance work duties, SPWLA, and family. So, for those not yet connected, please join your local chapters and get involved with their activities. You will have a lot of fun! In Rio, I had the chance to discuss ideas about joint events and new student chapters' creation. There are a lot of things to do! Hands are needed!!

I feel thankful to be a part of SPWLA, and this moment was very special for me. I was delighted to be by the side of such remarkable SPWLA female leaders in Rio, from whom I have learned a lot, especially about caring for our profession and our members and being a woman in the energy industry. I look forward to continuing to work hard and contributing as much as possible to this incredible family.

A last comment: The night events were fantastic! They were well-organized, had impeccable logistics, great food (OMG), and excellent music!



Big hug,
Clara Palencia
2023–2025 NA2 Regional Director

Regional Understandings—Latin America



Marta Inés D'Angiola
2024–2026 Latin America
Regional Director

To all Latin American members,

I am Marta D'Angiola, and I am currently serving as a geologist advisor at Weatherford Argentina and a full professor at the National University of La Plata. I had the privilege of serving as President of the Argentina Chapter from 2020 to 2023, and I have recently been elected Director of SPWLA for Latin America. During my presidency of the Argentina Chapter, my main goal was to strengthen and support student chapters. Promoting the technical and professional development of new professionals in our industry has been a priority, as I believe that efficiently integrating young talents into the energy sector is essential. This mission not only improves the quality of talent in the industry but also ensures a sustainable and innovative future for energy in our region.

The 2024–2026 period presents new challenges and opportunities. One of my main objectives is to contribute to the growth of SPWLA in Latin America by promoting the formation of new chapters, such as in Mexico. My vision is to expand and strengthen our network, providing opportunities for the professional and technical development of our members throughout the region. By fostering collaboration and knowledge exchange, we can ensure that SPWLA remains a leader in the energy industry.

A special thank you to Nelson Suárez Arcano (NSA), our previous director, who gave a strong boost to the region and got me excited to apply for this position.

My passion for geology and dedication to education and professional development motivate me to continue working towards a more innovative and sustainable energy industry. With the combined efforts of all our members, I am convinced that we will achieve great advancements in our industry. Together, we can build a brighter and more sustainable future for energy in Latin America, always maintaining the spirit of innovation and excellence that characterizes SPWLA.

Regards!

Marta Inés D'Angiola
2024–2026 Regional Director LATAM

Regional Understandings–Europe



Mathias Horstmann
2023–2025 Europe
Regional Director

Dear SPWLA Community,

I hope you are doing well and that all attendees of the recent logging symposium have returned home safe and sound. Being back at your desks full of energy, I am confident you can take some ideas from the annual meeting and apply learnings from the highly technical and educational sessions in your daily tasks.

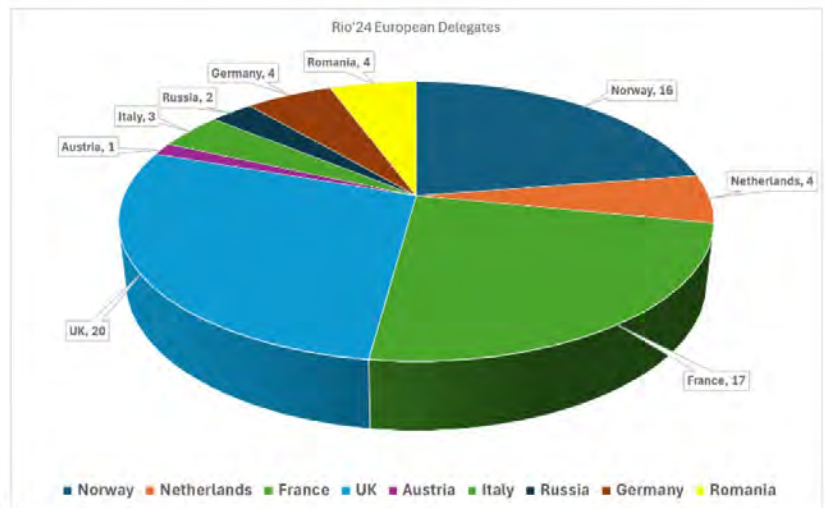
In Rio, we had a great participation of more than 70 European-based delegates, local chapter representatives, and, most importantly, many high-value presentations from our region. Thank you very much for your transatlantic commitment!

During the amazing days in Brazil, I caught up with many of you, establishing and fostering relationships and discussing opportunities and challenges in Europe’s changing energy framework. Many are questioning what the future holds. Still, I believe that transition times give organizations like SPWLA an opportunity to become even more relevant. This recent symposium clearly reminded me that our society provides a platform for the shared interests of scientists and engineers in the subsurface exploration and energy industry. The SPWLA 65th Annual Symposium was a testimony

that SPWLA remains a first-class forum for knowledge exchange, a place and foundation for discussions on innovative ideas needed to master the challenges to come.

Highlights were also the business and award luncheons, where I provided in my regional summary themed “Europe is On ...” that despite the changes, still a strong 450 active members enjoyed 40+ technical sessions per year with several full-day seminars that can scale up to more than 100 attendees. As local chapters embrace new and transition-energy-focused events, we can regain academic relations and support. It was also great to see that local chapters continue and expand, engaging in joint events such as the DEVEX or NFES-NORCE conferences. All of this is only possible because of the many volunteers and SPWLA contributors, many of whom were recognized for their efforts and support at this venue.

Last month, we showcased the France Chapter as it evolved over the recent years beyond traditional oil and gas interests encompassing fully emerging energies like carbon capture and geothermal. Their efforts were recognized by the board and award committee, and it was a great pleasure to present the 2024 Outstanding Professional Chapter Award to the SPWLA France Chapter! Congratulations again for this well-deserved recognition, and please keep up the momentum of the past years with your dynamic leadership team – Vive la France!



Demography of European-based delegates attending the SPWLA 65th Annual Symposium mid-May in Rio de Janeiro, Brazil.

Regional Understandings–Europe



Representatives of the SPWLA France Chapter receiving the Outstanding Professional Chapter Award during the SPWLA Awards Luncheon at the SPWLA 65th Annual Symposium in Rio de Janeiro. (From left to right) Mathias Horstmann, SPWLA Regional Director Europe, Philippe Theys, SPWLA and SAID Past-President, Nadège Bize-Forest, Technical Secretary, Rubi Rodriguez, Communication Officer, Emmanuel Caroli, SPWLA France President, and Jennifer Market, SPWLA President.

Another highlight was the Distinguished Technical Achievement award for Dr. Tao Yang of Equinor, a Stavanger-based NFES member and a key contributor to several publications on the advancement of surface FE and gas data. Congratulations, Tao, and thank you for your and your team's contribution over the past years!

After being an SPWLA Distinguished Speaker in 2023–2024, and now for her continuous technical contributions, Alexandra Cely, Equinor Norway and NFES member, received the Young Professional Technical Award this year. Well done, Alexandra, and keep sharing your results.



Regional Understandings–Europe

For the SPWLA 2024 Service Awards, some of our regional members were nominated and received Distinguished and Meritorious Service Awards in recognition of their outstanding service to the society.

Geoffrey Page, Baker Hughes and AFES member, and Nadège Bize-Forest, SLB, and currently in the France Chapter, have shown their commitment over so many years that they deserve this recognition. Also, Emmanuel Caroli was recognized for his personal commitment to the France Chapter and for leading it through its transformation. Thank you all for your volunteering. It's highly appreciated the time and efforts you put into our community.

You see, "Europe is on and was awarded!" As recognition is the greatest motivator, I am confident that with our dynamic leadership teams and boards of the local chapters, we can continue with the great variety of activities we see in Europe this coming year and in the future. Join them in person or connect online at their hybrid events to broaden your horizons!

Finally, I wish you all a great time over the summer break and hope you get energized on your vacations. I am looking forward to connecting with the chapters soon.

Keep well and stay tuned – all the best,
Mathias

Mathias Horstmann
2023–2025 Europe Regional Director
Director-Europe@spwla.org

SPWLA 2024 SERVICE AWARDS

MEDAL OF HONOR

- Katerina Yared

DISTINGUISHED SERVICE

- Fransiska Goenawan
- Geoffrey Page
- Nadège Bize-Forest

MERITORIOUS SERVICE

- Bernd Ruehlicke
- Emmanuel Caroli
- Leonardo Gonçalves
- Lucas Abreu Blanes de Oliveira
- Neal Cameron
- Dr. S. Sherry Zhu

18 - 22 May 2024 | Rio de Janeiro | Brazil
Brazuca (Copa do Mundo 6, 2014)

SPWLA
Brazil chapter

Regional Understandings–Asia Pacific/Australia



Yuki Maehara
2023–2025 Asia Pacific
Regional Director

Hello SPWLA members,

This is Yuki, Asia Pacific Regional Director. Thank you for your support and for participating in SPWLA. I attended the annual symposium in Rio in May and enjoyed lots of technical talks and meeting with people in SPWLA from around the world. I hope you enjoyed it, and I look forward to meeting you again in Dubai.

Today, I would like to summarize what we achieved, particularly in the Asia Pacific region last year and recently as a part of SPWLA activity. We have achieved a lot in the last year. A few key highlights are:

- We resumed discussions about the Asia Pacific Regional Symposium. It is scheduled in Bangkok, 6–9 October 2024. Another one is planned in Kuala Lumpur in 2025.
- There has been frequent communication between the chapters within the Asia Pacific region and sharing the information of each chapter’s events. We shared webinars from chapters in the region. Also, several chapters have hosted annual symposiums in the Asia Pacific region, such as in China, Japan, and Kuala Lumpur, this year. Please prepare to fly to Asia!
- We established two new chapters this year in Asia Pacific. Please join me in welcoming and connecting with them!
 - UPN “Veteran” Yogyakarta SC in Indonesia
 - VNFES Professional Chapter in Vietnam
- SPWLA – Batangas State University SC won the outstanding Student Chapter Award for SPWLA in 2023–2024. Congratulations!



Without all your support, none of this would have been possible. Thank you again for your help.

In the next term of my role, I would like to keep putting efforts into the Asia Pacific region, especially for:

1. Establishing a new chapter/increasing SPWLA membership
2. Increasing global visibility of regional activity
3. Accelerating communication among the chapters

There are chapters in nine countries in the Asia Pacific region today. I would like to support having more activity in each chapter than last year. Also, I hope we can extend SPWLA’s reach to other countries and increase SPWLA’s visibility and brand this year. If there is anything I can do to support you and your chapter, please feel free to reach out to Director-Asiapacific@spwla.org.

Yuki Maehara
Asia Pacific Regional Director



SPWLA Paper of the Quarter Series

July 2024

2024 Steering
Committee

Editors

Ishank Gupta

Issa Haddad

Javier Miranda

Clara Palencia

Senior Editor

Nelson Suarez Arcano

SPWLAYP@SPWLA.ORG

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.

Title: Successful Avoidance of Production Hazards From Subseismic Faults on a Multiple Horizontal Well Project in Permian Basin, TX

Authors: Derek Buster, ProdiGeology, Inc., Karim Sabaa, Amer Hanif, and Ehsaan Nasir, Baker Hughes

Event: SPWLA 65th Annual Logging Symposium, May 18–22, 2024

DOI: 10.30632/SPWLA-2024-0006

Abstract:

The paper discusses a case study where a Permian Basin operator utilized wireline dipole acoustic shear wave imaging in five stacked casedhole wells to identify subseismic water-bearing faults. These faults posed significant production hazards for eight horizontal wells planned on a multiwell pad. The acoustic imaging helped in identifying and avoiding completion of faulted zones, leading to enhanced well performance.

In this edition:

SPWLA Paper of
the Quarter Series

Brazil's Annual
Symposium Summary
from the
SPWLA YP Corner
By Javier Miranda

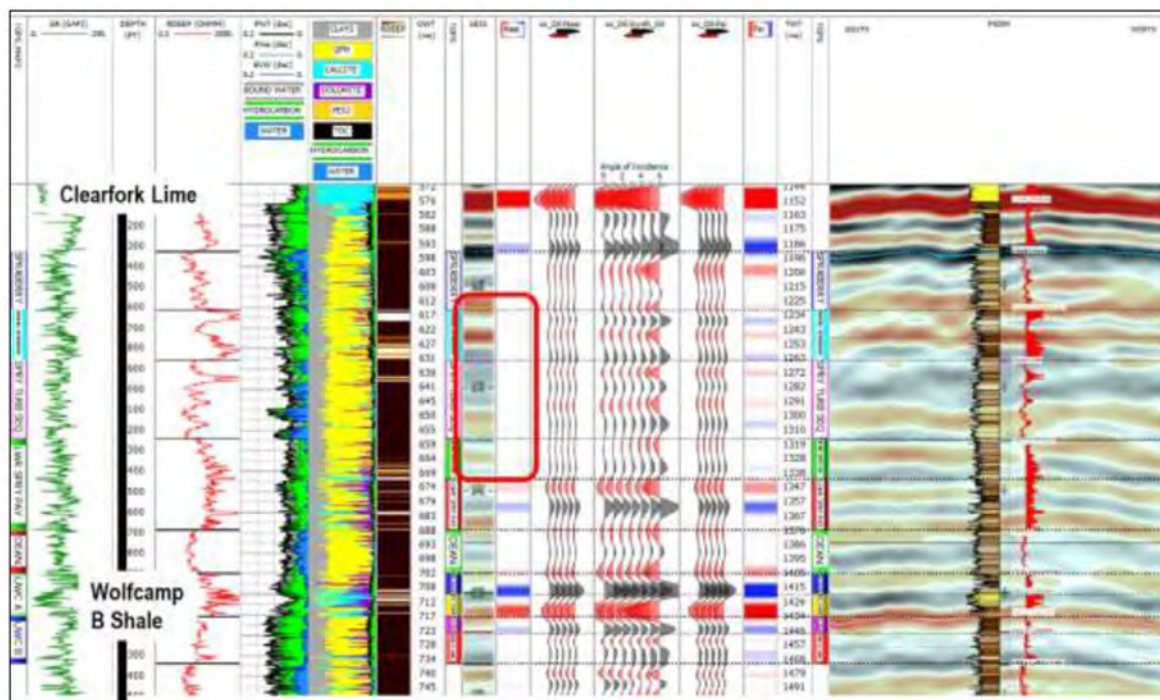


Fig.1 - Synthetic Amplitude Versus Angle (AVA), generated from standard log modeling, shows the most reliable event amplitudes from zero offset seismic are at the base of the Clearfork Lime and top of the Wolfcamp B Shale. These two reflectors often super impose internal reflected multiples between them.

The figure illustrates Synthetic Amplitude Versus Angle (AVA) generated from standard log modeling. It highlights the most reliable event amplitudes from zero-offset seismic data, specifically the base of the Clearfork Lime and the top of the Wolfcamp B Shale. These two reflectors dominate the impedance contrast and often superimpose internal reflected multiples between them, smearing and masking the true nature of targets between them. The figure underscores the limitation of traditional seismic methods in resolving smaller subseismic features. This limitation necessitates the use of high-resolution acoustic imaging techniques, as employed in this study, to accurately identify and map geological hazards.

Key Points

Objective: To detect and avoid water-bearing faults in horizontal wells to minimize risk and optimize production.

Methodology: Wireline dipole acoustic shear wave imaging was used in cased holes across five wells to map faults. This imaging technique provided high-resolution data, enabling the detection of subseismic features not visible in traditional seismic data.

Findings:

- Continuous water flow issues during drilling highlighted the need for high-resolution subsurface imaging.
- Acoustic imaging detected geological features several tens of feet away from the wellbore.
- The imaging results guided the operator to avoid completing faulted zones, which would have resulted in excessive water production.

Results:

- The wells where faulted zones were avoided showed superior production performance.
- The study emphasized the importance of high-resolution acoustic imaging over traditional seismic methods for identifying geohazards in closely spaced well developments.
- Utilizing acoustic imaging in cased holes proved to be a cost-effective method, reducing operational risks and expenses.

Brazil's Annual Symposium Summary from the SPWLA YP Corner

By Javier Miranda, *SPWLA Today* YP Newsletter Editor



Javier Miranda

Another annual meeting is in the books, and this will be one we will never forget, especially if you were blessed to be in Rio, where Brazilians, colleagues from national and international operating companies, and those in service companies and academia graciously hosted us with a great conference full of excellent technical sessions, workshops, unparalleled field and lab trips, and great and very joyful networking events each day! The venue selected to host us also provided a magnificent location with wonderful views during the day and night, as well as ample spaces full of nature that you can only enjoy in Brazil. Of course, none of this would have been possible without all the hard work, planning, and careful execution of the Organizing Committee, who did a marvelous job of hosting all of us and did all that they could to make their first SPWLA International conference in Rio de Janeiro an unforgettable experience! As Lucas Blanes, symposium chair, said during his opening remarks, hopefully, we do not have to wait another 65 years to be back in Brazil.

I believe the SPWLA Brazil Chapter was able to accomplish the goals they had in mind when they were awarded the 2024 location. I had the opportunity to chat with several in attendance, and all of them agreed with me on this. So, please join me in expressing our sincere gratitude and big congratulations to Lucas, his local chapter team, and other individuals who made this possible!

Bob and Harry, plus their Technology Committee members, also did outstanding work in offering us an excellent technical agenda for the conference in Rio with a great variety of workshops. Unfortunately, some of them had to be canceled due to low registration, a couple touching hot topics for petrophysics. It would be great to hear what the main reasons were behind this issue (topics available, cost, time available, dates, schedule conflicts, etc.). The annual symposium is always a good opportunity to learn about new topics and hone your skills in a particular field, taking advantage of the subject matter experts who usually lead these trainings the weekend before the conference. The new Technology Committee led by Harry and Rob might also need to investigate further to have an appropriate balance in the number and topics for the workshops to be considered for Dubai 2025. Maybe we do not need to have a set group of workshops or topics remaining the same year after year, even if they were successful in the past (data analytics will not always be a hot topic, as we have seen with unconventional or NMR in more recent years, just to name an example without the intention on picking on anyone). The professional community and companies around the local chapter hosting are also important factors to put in the mix and keep in mind before making the final decision (not necessarily the interests or topics liked by Technology Committee members but more about what potential attendees would like to see). The countdown to Dubai 2025 has already started, and it is never too early to start planning for it.

The Special Organized Sessions (SpOrSe) were also part of the technical program again this year, bringing us some that drew lots of interest not only from colleagues working in such subjects but also the community, in general, wanting to know more about it. One of them was the "SpOrSe Cased-Hole Petrophysics and Reservoir Surveillance," the first technical session held on Wednesday morning. Usually, this and the last session on Wednesday afternoon are the ones with the lowest attendance. It's generally low on Wednesday morning because you start noticing people are exhausted, especially after a great and very festive social networking experience at Casa Camolese, where we were delighted by a truly unforgettable Brazilian Carnival experience. You see it on Wednesday afternoon because many are already returning home or back to work in their local offices but also tired after three full days of technical sessions and two days of workshops, in addition to some still under the effect of jet lag. Well, I was pleased to see that was not the case this year, as both of them drew a significant crowd. In fact, the best presentation on Wednesday was selected from the "Cased-Hole Petrophysics and Reservoir Surveillance" session. 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. The announcements at the end of the day led by the new SPWLA President, the best presentations of each day announced by the VP Technology, and an attractive prize drawing have also been great incentives for participants to remain until the end, as we saw this year and also in Lake Conroe in May 2023.

At the end of that day, I think all those in attendance would agree with me it was an excellent conference, and attendance and exhibition numbers support this thought. All of this to say, "Obrigado, SPWLA Brazil!"

Brazil's Annual Symposium Summary from the SPWLA YP Corner

By Javier Miranda, *SPWLA Today* YP Newsletter Editor

Finally, a HUGE thanks to Sharon Johnson (SPWLA Executive Director) and Stephanie Turner (SPWLA Office staff) for all your hard work, guidance, and support, not only to the local Organizing Committee but also to the Technology Committee and all of us who attended this year's conference. SPWLA 2024 would not have been the success it was without you.

As I mentioned previously, let's stay strong during 2024 and beyond. Continue being involved in your local and international activities and professional and student chapters, start planning your attendance at SPWLA 2025 in Dubai, and **volunteer and join SPWLA initiatives if you have not done so. Let's continue contributing to SPWLA on all fronts!**

See you soon!

2024–2025 The YP Bridge Team

Please contact us at the email address below if you have any questions or are interested in contributing articles to our section or becoming part of our team. We are currently looking for new members, especially outside North America.

SPWLAYP@spwla.org



The Brazilian Presalt Core Workshop was hosted during the SPWLA Annual Symposium in Rio de Janeiro, Brazil, at one of the Petrobras research centers and laboratories.



The symposium opening remarks by Lucas Blanes, conference general chair.



A well-attended opening session spark-plugged what would be an excellent international symposium.



Yuki Maehara (SPWLA Asia Pacific RD 2023–2025) and Javier Miranda (SPWLA North America 1 RD 2022–2024) attending the Rio de Janeiro Carnival experience organized during the Tuesday social event.

Brazil's Annual Symposium Summary from the SPWLA YP Corner

By Javier Miranda, *SPWLA Today* YP Newsletter Editor



The coffee breaks offered a great opportunity for young and experienced professionals to mingle in Rio.



Javier Miranda and Jennifer Market, past North America 1 Director and past President, respectively.



Franklyn Angel (PhD student from the University of Houston) receiving his Student Paper Competition Award from Kelly Skuce (SPWLA VP of Education 2022–2024).



The SPWLA 2023–2024 International Board during Tuesday's Award Ceremony.



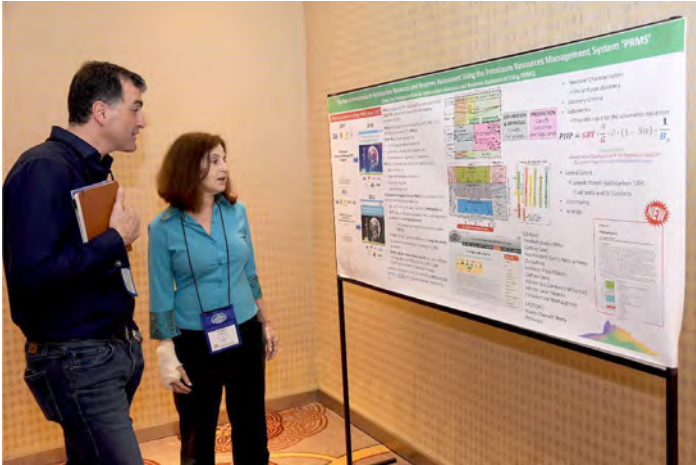
Part of the Technology Committee for Rio 2024, led by Bob and Harry, had a great balance of seasoned and young professionals representing international and national operating companies, service companies, consulting firms, and academia from all regions of the world, which provided for an unparalleled technical program.



Most of the incredible group of volunteers that led SPWLA during the 2023–2024 period. Unfortunately, not all of them were able to travel to Brazil.

Brazil's Annual Symposium Summary from the SPWLA YP Corner

By Javier Miranda, *SPWLA Today* YP Newsletter Editor



Poster sessions were well attended this year, with an excellent mix of topics and authors.



The best presentation of the day during Wednesday's (SpOrSe): "Cased-Hole Petrophysics and Reservoir Surveillance."



Giuseppe Galli (ENI Milan, Italy) presenting during the Special Organized Session (SpOrSe): "Cased-Hole Petrophysics and Reservoir Surveillance" on Wednesday morning. This was the first time a SpOrSe focused on petrophysics surveillance during an international SPWLA symposium.



A robust technical program put together by the Technology Committee led by Bob and Harry provided a great opportunity for petrophysicists and formation evaluation enthusiasts from all over the world to interact and discuss topics that will influence the future of our society, profession, and industry for years to come.



Vendors and all companies in the exhibition had a great opportunity to show their products and services to professionals and decision makers at operating companies.



(From left to right) Gerardo Cedillo (Reservoir Surveillance chair session), Javier Miranda (Reservoir Surveillance chair session and past SPWLA North America 1 Region Director), and Bob Gale (former SPWLA VP Technology and current President-Elect).

Brazil's Annual Symposium Summary from the SPWLA YP Corner

By Javier Miranda, *SPWLA Today* YP Newsletter Editor



The poster sessions had a great mix of posters featuring operating and service companies plus academia authors. (From left to right) Allen Britton and Javier Miranda.



The icebreaker was hosted at a hotel venue with a great atmosphere.



The SPWLA Gold Medal for Technical Achievement this year was awarded to Dr. Michael Bittar, a well-deserved recognition for one of our industry legends.



The Monday social provided a great opportunity to relax after a full day of technical sessions. (From left to right) Javier Miranda, Nate Bachman, Stephanie Turner, and Sharon Johnson.



The icebreaker was a great opportunity to kick off the networking activities of the conference and reconnect with colleagues and friends.



Attendees of the Monday social were delighted by the Brazilian live music and Forro traditional dances on a night full of good vibes and networking.

Brazil's Annual Symposium Summary from the SPWLA YP Corner

By Javier Miranda, *SPWLA Today* YP Newsletter Editor



Breakfast was at the hotel every day, which was convenient for participants, speakers, session chairs, the Organizing Committee, and board members, who could interact and get ready for the day. (From left to right) Paulo Netto and Javier Miranda.



The closing remarks by SPWLA's new President, a video showing the next year's conference, the best presentations of the day, and a drawing for a prize provided nice incentives for attendees to remain until the last session of the day.



The photo booth on the exhibition floor was a huge success, with several attendees exhibiting their "fame and glory" while posing for the symposium camera.

**SYMPOSIUM
POST-EVENT
SUMMARY**

65th SPWLA Annual Logging Symposium

Rio de Janeiro – RJ, Brazil

May 18–22, 2024

THE VENUE

The symposium took place at the Sheraton Grand Rio Hotel & Resort in Rio de Janeiro, an impressive venue offering an excellent selection of meeting rooms for dual sessions, workshops, society events, and luncheons. With its breathtaking views of Leblon and Ipanema beaches, the hotel provided the attendees with a delightful and comfortable accommodation experience.

FIELD TRIPS

Two field trips were conducted during the initial days of the annual symposium, both supported by our Diamond Sponsor Petrobras, focusing on the Brazilian presalt carbonate rocks. The first field trip, titled “Presalt Reservoir Analogs: Lagoon and Subaerial Carbonate Deposits Analysis and Petrophysical Quality Impacts to Alagoas Age Carbonate Deposits – Campos and Santos Basin,” provided 22 attendees the opportunity to explore geological formations at Parque Paleontológico São José de Itaboraí and Lagoa Vermelha. Participants learned from Petrobras industry experts, gaining in-depth knowledge about carbonates and drawing parallels with the characteristics of presalt reservoirs through the analysis of lagoon and subaerial carbonate deposits.



Field Trip 01.

During the second field trip, “Core Workshop - Exploring Presalt Carbonate Reservoirs: A Comprehensive Tour of Petrographic, Geochemical, and Petrophysical Insights,” held at the largest research center in Latin America, Centro de Pesquisas Leopoldo Américo Miguez de Mello (CENPES, PETROBRAS), participants immersed themselves in the complex world of presalt carbonate reservoirs. They explored geological, petrographic, geochemical, and petrophysical aspects while evaluating core samples, thin sections, geochemical analyses, and digital rocks from the Barra Velha and Itapema Formations in the Santos Basin.



Field Trip 02.

WORKSHOPS

Five full-day workshops were delivered on Saturday and Sunday:

- “Optimized Reservoir Performance: UDAR-Well Placement and High-Angle/Horizontal Well Petrophysics,” presented by Nigel Clegg and Arthur Walmsley (Halliburton), and Jean-Michel Denichou and Mauro Viandante (SLB)
- “New Advances in NMR Techniques and Applications,” presented by Nate Bachman (SLB), Kris Farmer (Core Labs), Jesus P. Salazar (Baker Hughes), and Willian Trevizan (Petrobras).
- “Towards the Effective Use of Borehole Acoustics; Understanding, Validating, and Utilizing Sonic Measurements,” presented by Brian Hornby (Hornby Geophysical Services, LLS), Matt Blyth, and Adam Donald (SLB), Philip Tracadas (Halliburton), and Tiago de Bittencourt Rossi (Petrobras).
- “Data Analytics – Understanding the Tools – Limitations and Opportunities,” presented by Kjetil Westeng (Aker BP), Marcos Jacinto (Geowelllex), and Saad Omar (SLB).

65th SPWLA Annual Logging Symposium

Rio de Janeiro – RJ, Brazil

May 18–22, 2024

- “Energy Transition Petrophysics – What is New, What is the Same,” presented by Dler Mirza (Aker BP), David Chace and Monica Guerrero (Baker Hughes), and Luis Quintero and Sami Eyuboglu (Halliburton).

We extend our heartfelt gratitude to each of you for dedicating your time and effort to preparing and conducting the workshops. Your commitment to sharing your knowledge and expertise has greatly enriched our symposium and provided invaluable learning experiences for all attendees.

INTERNATIONAL STUDENT PAPER COMPETITION

The Student Paper Competition was held on Sunday, May 19, at the symposium venue, with a virtual option available. The competition was led by Kelly Skuce, SPWLA VP Education. Special thanks go to the volunteer judges: Robert (Bob) Gales, Harry Xie, Nelson Suarez Arcano, Geoff Page, Amer Hanif, Nate Bachman, Paul Spooner, and Tom Bradley. Their help, insightful comments, questions, and decisions were invaluable.



The ISPC judges and some of the competitors.

In total, 10 students from all over the world competed for awards in two categories. The quality of the presentations was excellent, and all students should be congratulated on their work. The judges agreed on the following awards:

Undergrad/Masters category:

- 1st place – Anngy Daniela Roman Ortega (Universidad Industrial de Santander)
- 2nd place – Abdelaziz Elyasa (King Fahd University of Petroleum and Minerals)
- 3rd place – Sarah Aleixo (Universidade Federal do Rio de Janeiro)

Doctorate category, our top three winners are:

- 1st place – Abubakar Isah (King Fahd University of Petroleum and Minerals)
- 2nd place – Abdulmalek Ahmed (King Fahd University of Petroleum and Minerals)
- 3rd place – Franklyn Javier Ángel Sáez (University of Houston)

Additional prizes were granted to Abdelaziz Elyasa and Abdulmalek Ahmed from the SPWLA NMR Special Interest Group in recognition of NMR-related topics.

SPWLA 2024 INTERNATIONAL STUDENT PAPER CONTEST

WINNERS!

UNDERGRAD & MASTERS

ANNGY ROMAN
UIS
Evaluation of Petrophysical and Geomechanical Properties of the Illinois Basin Decatur Project Reservoir for Safe CO₂ Storage

ABDELAZIZ ELYASA
KFUPM
Innovative Application of Thermochemical Fluids: Enhancing Hydrocarbon Productivity by In-Situ Maturation of Organic Rich Shale
NMR Award

SARAH ALEIXO
UFRJ
Machine Learning Applied to Facies Classification using Conventional Logs and Image Logs from the Atapu Field Santos Basin

DOCTORATE

ABUBAKAR ISAH
KFUPM
CO₂ Mineralization in Anhydrite-Rich Rocks: Implications for Subsurface CO₂ Storage

ABDULMALEK AHMED
KFUPM
A Novel Method and Solutions to Evaluate and Minimize the Segregation of Heavy Weighted Oil-Well Cement under HPHT Conditions
NMR Award

FRANKLYN ANGEL
UNIVERSITY OF HOUSTON
Synthetic Fractional Flow Curves Based on Continuous Well Logs in Heavy Oil Reservoirs

The NMR SIG awards presentations focusing on NMR work

18 - 22 May 2024 | Rio de Janeiro | Brazil

2024 ISPC Winners.

OPENING REMARKS AND KEYNOTE

Lucas Abreu Blanes de Oliveira, Chairman of the Symposium, called the meeting to order and welcomed attendees. He highlighted the significance of the SPWLA Annual Symposium being held in Brazil for the first time in 65 years, emphasizing the country’s recent advancements in oil and gas production and its role in clean energy initiatives. He underscored the importance of geosciences, petrophysics, and formation evaluation in both traditional energy production and emerging fields like carbon capture and hydrogen storage. The symposium, featuring technical papers, exhibitor

65th SPWLA Annual Logging Symposium

Rio de Janeiro – RJ, Brazil

May 18–22, 2024

companies, and networking opportunities, was made possible through the support of sponsors, speakers, and volunteers. He also urged participants to join the SPWLA Brazil Chapter and mentioned efforts to aid those affected by heavy rains in Rio Grande do Sul. The chairman concluded by inviting everyone to enjoy the event and the beautiful surroundings of Rio de Janeiro. Finally, Lucas introduced the keynote speaker, Jonilton Pessoa, Executive Exploration Manager at Petrobras, who shared his view on the role of the O&G industry in the ongoing energy transition and how Brazil is playing a role in this matter.



Lucas Abreu Blanes de Oliveira, Chairman of the Symposium.

TECHNICAL PROGRAM

Following the keynote presentation, Robert (Bob) Gales (then VP Technology and now current President-Elect) opened the Technical Program. The full program lasted 3 days and included poster sessions during all the breaks. There were a total of 110 oral presentations and 35 poster presentations distributed across the 17 technical sessions:

- Acoustics Technology and Applications
- Cased-Hole Formation Evaluation and Reservoir Surveillance
- Cased Hole Formation Evaluation / Well Integrity Diagnostics and Remediation
- Data Analytics – Gains and Limitations
- Digital Rock Physics for Formation Evaluation and General: Core-Log Validation and Reservoir Understanding
- Formation Testing – Reservoir Dynamics and Fluid Characterization

- Geosteering / UDAR Well Placement – Case Studies and Look Ahead
- Geosteering / UDAR Well Placement for Optimal Completion
- Imaging Technology and Applications – Beyond Dips
- Integrated Openhole Formation Evaluation
- Latest Innovations in Ultradeep Azimuthal Resistivity for 3D Applications
- Multi-Physics / Multidisciplinary Core to Reservoir Models
- New Technologies / Applications
- NMR Technology and Applications – Pores and Fluids
- Nuclear Technology and Applications – Mineralogy, Fluids and True Porosity
- Preparation for the Energy Transition – Reducing Subsurface Risk in Modeling and Monitoring?
- Surface Data Logging – Rock and Fluid Analysis

ANNUAL BUSINESS MEETING

The Annual Business Meeting and Luncheon was held on Monday, May 20, at the symposium venue. During this meeting, outgoing president Jennifer Market passed the gavel to incoming president Iulian Hulea. The President and Board Members gave brief reports, and the new 2024–25/26 SPWLA Board of Directors was introduced and welcomed. The SPWLA community looks forward to the fresh perspectives and innovative ideas you will bring to our organization. Your expertise and leadership will undoubtedly guide us toward continued growth and success. The SPWLA community wishes you a successful and fulfilling tenure!



Jennifer Market, outgoing president, and Iulian Hulea, incoming president.

65th SPWLA Annual Logging Symposium

Rio de Janeiro – RJ, Brazil

May 18–22, 2024

SPWLA AWARDS

The SPWLA Annual Awards Presentation and Luncheon occurred on Tuesday, May 21, at the symposium venue. At this event, the society honored numerous individuals for their notable contributions across various categories, including Technical Achievement, Career Service, Distinguished Service, Meritorious Service, Young Professional, Pioneer, Outstanding Professional Chapter, Outstanding Student Chapter, Symposium Best Paper Presentation 2023, Symposium Best Poster Presentation 2023, Outstanding *Petrophysics* Journal Papers 2024, Outstanding *Petrophysics* Journal Reviewer 2024, and Distinguished Speakers.



SPWLA Award Plaques.

SYMPOSIUM SPONSORS

A heartfelt thank you to our esteemed sponsors:



SPWLA 65th Annual Symposium Sponsors.

We sincerely thank the SPWLA 65th Annual Symposium Sponsors for their unwavering support. Your sponsorship facilitated vital discussions and knowledge sharing among industry leaders and underscored your dedication to innovation and excellence in our field. We are immensely grateful for your partnership and look forward to continuing our collaborative efforts to shape the future of our industry.

SYMPOSIUM EXHIBITORS

Thanks to our exhibitors:



SPWLA 65th Annual Symposium Exhibitors.

We also extend our heartfelt thanks to all the exhibitors. Your presence and enthusiasm in showcasing your cutting-edge solutions and innovative technologies played a pivotal role in making this event a remarkable success. Thank you for believing in the potential of this event to highlight your technologies.

BEACH WORKOUT

Honoring the tradition of incorporating physical activities and sports into the symposium agenda, nearly 30 participants joined the sunrise workout event sponsored by Geoactive and PRIO. Held on Tuesday, May 21, from 6 to 7 am at the beach in front of the Sheraton Hotel, the session featured functional and stretching exercises. This initiative promotes the well-being of professionals and fosters connections and collaboration among attendees.

65th SPWLA Annual Logging Symposium

Rio de Janeiro – RJ, Brazil

May 18–22, 2024



Beach Workout.

SOCIAL EVENTS

The Ice Breaker Reception on Sunday night, May 19, marked the inaugural social event of the symposium, held at the event venue and generously hosted by Halliburton. It served as a pivotal moment where old friends reunited, and new connections were forged, fostering an atmosphere of networking that would resonate throughout the symposium.



Ice Breaker Reception, May 19.

Baker Hughes sponsored the Monday Evening Social Event, a culturally enriching experience where guests immersed themselves in one of Brazil’s most celebrated festivals, the “Festa Junina.” The event featured traditional corn-based foods served at the venue, accompanied by vibrant music and lively performances that captured the essence of the festival. Attendees savored authentic flavors and enjoyed a festive atmosphere, highlighted by the presence of a square dance group who entertained and danced with the participants, adding to the joyful ambiance of the evening.



Monday Evening Social Event, May 20.

Finally, SLB sponsored the Tuesday Evening Social Event, bringing the vibrant spirit of Brazil’s most famous festival, Carnival, to the attendees. Held at Casa Camolese Restaurant, participants were immersed in the festivities, crafting their own carnival costumes and dancing alongside the energetic “passistas” to the rhythm of a live samba school performance. It was a night filled with joy, music, and the contagious energy that defines the essence of Carnival.



Tuesday Evening Social Event, May 21.

We would like to extend our heartfelt thanks to all the companies that sponsored the social events at our symposium. Your generous support was crucial in making these events memorable and enjoyable for all attendees. The festivities provided wonderful networking opportunities and helped showcase our country’s rich culture, adding a unique and vibrant dimension to the symposium.

65th SPWLA Annual Logging Symposium

Rio de Janeiro – RJ, Brazil

May 18–22, 2024

SYMPOSIUM ORGANIZING COMMITTEE

General Chair

Lucas Oliveira – Petrobras

Assistant General/Finance Chair

Gabriel Freitas – Petrobras

Sponsorship Chair

Pablo Moreira – Geologix

Assistant Sponsorship Chair

Leonardo Gonçalves – Petrobras

Exhibits Chair

David Xavier – Equinor

Advertising/IT Chair

Adna Vasconcelos – SLB

Partner/Guest Activities Chair

Pedro Prandi – Halliburton

Fieldtrip/Transportation Chair

Fátima Brazil – Petrobras

Technical Arrangements/Printing and Signs Chair

Michele Terra – ABGP

Student Contest Chair

Gisela Almeida – UFRJ

Social Functions Chair

Marina Martins – PRIO

Security/Usher Chair

Jesus Salazer – Baker Hughes

Technical Committee Support

Priscila Caldas – Halliburton

Tiago Rossi – Petrobras

Conference Liaisons

Sharon Johnson – SPWLA

Stephanie Turner – SPWLA

Contributing Members

Pablo Sanchez



SPWLA 65th Annual Symposium Organizing Committee.

65th SPWLA Annual Logging Symposium
Rio de Janeiro – RJ, Brazil
May 18–22, 2024

SPWLA TECHNOLOGY COMMITTEE 2023–2024

Vice President Technology – Chairman

Robert H. (Bob) Gales – Halliburton

Vice President Technology Elect – Co-Chairman

Harry Xie – Core Lab

Committee Members

Mark Bacciarelli – Weatherford

Lucas Abreu Blanes de Oliveira – Petrobras

Matt Blyth – SLB

Austin Boyd – Federal University of Rio de Janeiro

Keith Boyle – Chevron

Tom Bradley – Baker Hughes

Priscila Caldas – Halliburton

Giovanna Carneiro – SLB

Michel Claverie – Consultant

Joe Comisky – Devon Energy

Luisa Crousse – Chevron

Wei Dan – CNOOC

Tiago de Bittencourt Rossi – Petrobras

Jennifer Duarte – Geoactive Ltd./SPWLA Regional Director

Sami Eyuboglu – Halliburton

Maria Fernanda González – Icelandic Meteorological Office/
Vedurstofa Islands

Giuseppe Galli – ENI SpA

Nader Gerges – ADNOC

Eva Gerick – Neptune Energy

Muhammad Gibrata – Dragon Oil

Adam Haecker – Milestone Carbon

Ahmed Hafez – Halliburton

Amer Hanif – Baker Hughes

Lori Hathon – University of Houston

Zoya Heidari – The University of Texas at Austin

Nazanin Jahani – NORCE

Sanaz Javid – AkerBP

Essi Kwabi – Apache

Mathilde Luycx – ExxonMobil

Shouxiang Mark Ma – Saudi Aramco

Ashish Mathur – WDVG Laboratories

Vanessa Mendoza – Shell

Javier Miranda – DeGolyer and MacNaughton/SPWLA
Regional Director

Chinwendu Mogbo – Asharami Energy

Femi Onita – Shell

Marco Pirrone – ENI SpA

Shelby Plitzuweit – OXY

Maxim Podolyak – Core Lab

Matthew G. Reppert – Neptune Energy

Priscila Reuters – Equinor

Marvin Rourke – GoWell

Chris Skelt – Independent Consultant

Nelson (NSA) Suarez Arcano – Halliburton/SPWLA Regional
Director

Xiaoming Tang – China University of Petroleum

Bruno Valle – 3R Petroleum

Marie Van Steene – SLB

Daniela Van Wyck – Halliburton

Lalitha Venkataramanan – SLB

Rodolfo Victor – Petrobras

Chicheng Xu – Aramco Americas

Irada Yusufova – Equinor

Qiong Zhang – UESTC

John Zhou – Maxwell Dynamics

We express our deepest gratitude for your hard work and dedication in reviewing over 400 abstracts. Your meticulous evaluation and insightful feedback were crucial in ensuring our symposium's high quality and success. Your commitment to excellence and tireless efforts have made a significant impact.

NMR SIG CONFERENCE

The NMR SIG Conference took place on May 23, following the symposium, at the Baker Hughes Rio Energy Technology Innovation Center (RETIC), generously sponsored by Baker Hughes, Core Lab, Green Imaging, and SLB. The conference featured a program with 15 technical presentations delivered by NMR experts, and participants who were in Rio for the annual symposium took advantage of the opportunity to attend this event.

SPOUSE/GUEST ACTIVITIES

Three highly successful spouse/guest tours were organized this year, allowing partners to experience Rio de Janeiro's splendor. On Monday, they visited two of Rio's most iconic attractions: the Christ the Redeemer monument and Sugarloaf Mountain. On Tuesday, the tour included visiting the largest urban forest, Tijuca National Park, the legendary Maracanã Football Stadium, and the Museum of Tomorrow, offering an innovative and technological experience. To conclude the partners' program, guests visited the Botanical Garden, Lage Park, and the Historical Center of Rio on Wednesday.

**65th SPWLA Annual Logging Symposium
Rio de Janeiro – RJ, Brazil
May 18–22, 2024**

ACKNOWLEDGEMENTS AND CLOSING REMARKS

A heartfelt thank you to everyone who contributed to the success of the SPWLA 65th Annual Logging Symposium. Special thanks to Sharon and Stephanie at the SPWLA office for keeping things running smoothly. My gratitude extends to the SPWLA Board of Directors and Technology Committee for their dedication and hard work. The Organizing Committee and the Brazil Chapter deserve recognition for hosting such a remarkable event. Michele and Amanda, your support and organizational skills were invaluable throughout. A big thank you goes to all the Sponsors and Exhibitors. We appreciate the support and facilities provided by the Sheraton, Inovarte, and H2 for event space, catering, A/V, and exhibition booth installations. Lastly, thank you to all the participants for making this symposium tremendously successful. I look forward to another fantastic symposium next year. See you in Dubai!

Lucas Oliveira
General Chairman
Brazil SPWLA 2024

Words of Wisdom From SPWLA 2024 Pioneer Awardee: Prof. Weng C. Chew

Thank you to Stan C. Gianzero for nominating me for this award. I first met Stan in 1978 as a summer intern at Schlumberger-Doll Research. This is Stan Gianzero then and now. Here are the remarkable credentials of the now-retired Stanley C. Gianzero: Stanley C. Gianzero (M'72) received a BS degree in physics from Fordham University, New York, New York in 1959, and an MS degree in physics and a PhD degree in astronautics from the Polytechnic Institute of Brooklyn, New York, in 1963 and 1965, respectively. He is the former President of Sensor Modeling, Inc., and formerly held several roles at Halliburton, including Director of the Austin Research Center. He also served as a project scientist in electrical logging at the Schlumberger-Doll Research Center in Ridgefield, Connecticut. His areas of professional interest include mathematics as applied to electromagnetic and acoustic problems in well logging. Dr. Gianzero has received multiple honors and awards including:



Dr. Gianzero has received multiple honors and awards including:

- SPWLA Pioneer Award recipient 2017
- Teaching Fellowship for Graduate Study from NASA
- Grant for Graduate Research from Sigma Xi
- Member of the American Institute of Physics

Previous Recipients of the Pioneer Awards

Schlumberger, Conrad and Marcel	(1995)
Gearhart, Marvin	(2016)
Gianzero, Stanley	(2017)

I feel honored to join the ranks of this distinguished list!

About Me

I am currently a distinguished professor at Purdue University, where I have been since 2017, following a 32-year tenure at the University of Illinois. Purdue is deeply committed to principles of diversity, equity, and inclusion, and it boasts the top-rated Department of Astronautics and Aeronautics.

I grew up in Malaysia and have a diverse professional background. I spent 7 years at MIT, followed by 5 years at Schlumberger. My career then led me to the University of Illinois, where I served for 32 years. Additionally, I spent 4 years as the Dean of Engineering at the University of Hong Kong before joining Purdue.

My journey through these esteemed institutions has enriched my academic and professional experience, allowing me to contribute significantly to my field and to the academic communities I have been a part of.

Purdue University, known for the iconic Purdue U Gate, has a proud legacy in aerospace, producing the most astronauts of any institution, including the legendary Neil Armstrong, who is honored with a statue on campus. Under the dynamic leadership of Mung Chiang, who became the youngest president of a top-50 American university at the age of 45, Purdue continues to thrive. The university is dedicated to diversity, equity, and inclusion, fostering a vibrant and welcoming community for all its students and faculty.



The Age of Fossil Fuel

Oil exploration is nowhere near ending, thanks to a rich history and a deep well of knowledge in well logging, also known as “wireline logging.” At our current rate of consumption, we have enough reserves to last another 100 to 200 years, keeping the industry strong. The modern era of well logging began in 1927, giving us nearly a century of advancements and expertise. It all started with two French brothers, Conrad and Marcel Schlumberger, both geophysicists and petroleum engineers, who ran the first wireline log at the Pechelbronn Oil Field in France.

However, almost 1,000 years ago, the Sichuanese made boreholes 100 m deep to reach sources of brine. Elaborate systems were built for hoisting brine from the ground and refining it into precious salt. The Sichuanese even struck natural gas and found its first commercial use—fueling fires to evaporate the brine. Today, deep drilling is praised as one of ancient China’s greatest innovations comparable to their invention of paper, printing, gunpowder and compasses. Indeed, the Chinese salt industry of the 19th century is, in some ways, the precursor of modern petroleum production.



JINGYAN in Sichuan Province is the site at which deep drilling was invented 900 years ago. In the 18th century the center of the industry shifted to Zigong.

118 SCIENTIFIC AMERICAN *June 1993*

Words of Wisdom From SPWLA 2024 Pioneer Awardee: Prof. Weng C Chew

We shouldn't abandon fossil fuels, but we should be the stewards of Planet Earth. To achieve this, we must focus on transitioning to clean energy, which helps reduce the CO₂ emissions into our atmosphere. Renewable energy plays a crucial role in this effort. Additionally, we need to explore ways to actively remove CO₂ from the air, such as artificial photosynthesis, AgBio research, and carbon storage and sequestration. We should be advancing technology for humanity, as expressed by the IEEE motto: "Advancing Technology for Humanity"—*Leah Jamieson*.

Additionally, here are some quotes I find especially meaningful:

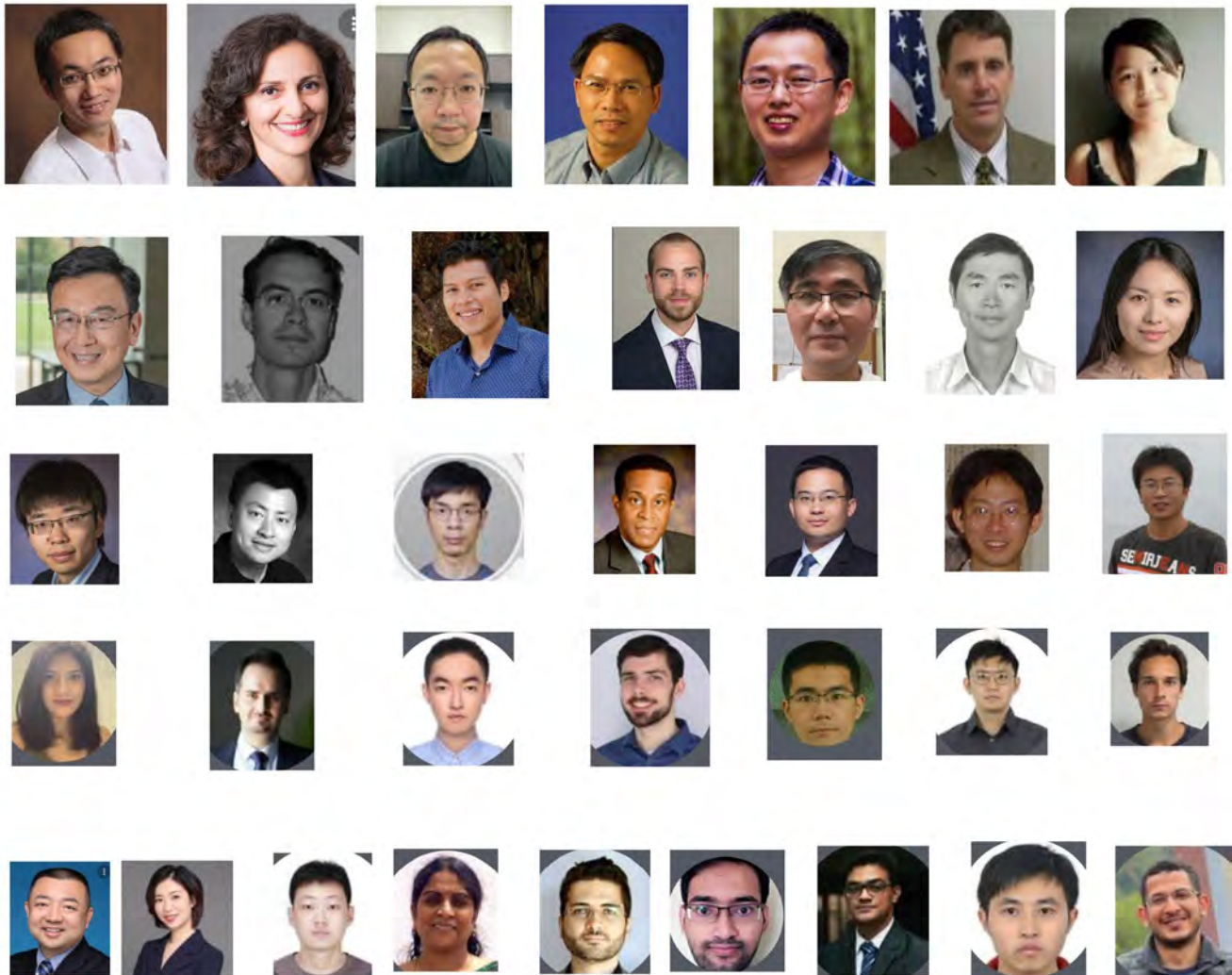
"Technology is a gift of God. After the gift of life, it is perhaps the greatest of God's gifts. It is the mother of civilizations, of arts, and of sciences."—*Freeman Dyson*

"The best way to win a war is to have no war"—*Sun Tzu*

"All humans can be taught"—*Confucius*

"Love your enemy"—*Buddha and Jesus Christ*

All things emerge from the synergy of Yin-Yang. Diversity is essential for life.



**SPWLA 65th ANNUAL BUSINESS MEETING
THE SHERATON HOTEL AND RESORT, RIO DE JANEIRO, BRAZIL
MAY 20, 2024**

The following minutes will be approved at the 2025 Annual Business Meeting in Dubai.

President Jennifer Market called the meeting to order at 11:40 pm with 300 people in attendance.

A motion by Kelly Skuce to dispense with the reading of the minutes of the Sixty-Fourth Annual Business Meeting and accept the minutes as published in the July 2023 *SPWLA Today* newsletter was seconded by Iulian Hulea. All approved, and the motion passed.

President Jennifer Market expressed thanks to her BOD and the Symposium Committee.

President Jennifer Market presented a PowerPoint slide with brief summaries from each of the officers and directors on her board outlining their accomplishments during their 2023–2024 term.

On behalf of the SPWLA Foundation, President Jennifer Market gave the Annual Financial Report of the foundation.

President Jennifer Market called for old business. There was none.

President Jennifer Market passed the gavel to incoming President Iulian Hulea.

President Iulian Hulea introduced the incoming 2024–2025 Board of Directors.

President-Elect, Robert “Bob” Gales, Halliburton
Vice President Technology, Harry Xie, Core Laboratory
Vice President Technology-Elect, Robin Slocombe, SLB
Vice President Education, Matt Blyth, SLB
Vice President Finance, Secretary, and Administration, Jing Li, Oxy
Vice President Publications, S. Mark Ma, Aramco
Vice President Information Technology, Tegwyn Perkins, Geoactive Ltd
Vice President Social Media, Chelsea Newgord, ExxonMobil

REGIONAL DIRECTORS

North America, Position 1, James Hawkins, Core Geologic
North America, Position 2, Clara Palencia, Intertek Westport Technology Center
Latin America, Marta D’Angiola, Weatherford
Europe, Mathias Horstmann, SLB
Middle East/Africa/India, Elsa Maalouf, American University of Beirut
Asia and Australia, Yuki Maehara, SLB

President Iulian Hulea called for new business. There was none.

President Iulian Hulea made announcements of upcoming events.

A motion by Robert “Bob” Gales to adjourn was seconded by Tegwyn Perkins. All approved, and the motion passed.

The meeting adjourned at 1:05 pm.

Submitted by,
Sharon Johnson
Executive Director

SPWLA E-BOD Meeting Minutes June 3, 2024 – New Chapter Approval

President-Elect Bob Gales made a motion to accept the Vietnam Chapter of SPWLA (VNFES) as presented by Regional Director Yuki Maehara and was seconded by Regional Director NA2 Clara Palencia. The motion passed by majority with 11 positive votes.

ACTION ITEM: Regional Director Yuki Maehara, at your earliest, please notify and welcome the chapter of the results.

2024

6 – 9 October

email: ap2024@spwla.org

Co-Hosts

valeura energy



SPWLA Asia Pacific

2024 Regional Conference – Bangkok Thailand

“Traditional and Transitional Petrophysics”

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

REGISTRATION OPEN

www.spwla.org

October 2024 - Conference Schedule

- Sunday 6th - Field Trip (optional)
- Monday 7th - New Technology Forum & Conference Dinner
- Tuesday 8th - Technical Session 1
- Wednesday 9th - Technical Session 2
- Thursday 10th - Technical Workshops (optional, details below)
- or Golf Day (optional, details below)

Registration includes: 3-day Conference Sessions, with Conference Banquet and Drinks (Sponsored by SDI)

Venue - Centara Grand Hotel Ladprao Bangkok

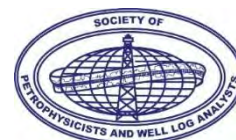
Email Nattakarnth@chr.co.th for special hotel room rates.



จุฬาลงกรณ์
มหาวิทยาลัย
CHULALONGKORN UNIVERSITY



ธรณีวิทยา
GEOLOGY





2024

Field Trip to Ayutthaya

Co-Hosts



PTTEP



Sunday 6th October 2024

Field Trip

AYUTTAYA | FULL DAY | BY Bus | MAX 30 PAX

A Field Trip is arranged to see historic Ayutthaya, with additional stops for a (Recent fluvial system) at Chai Wattanaram Temple, and a Paleo Shoreline at Chedi Hoi Temple.

The Field trip will depart from the Centara Hotel at 08:00 and return by 18:30 pm. All snacks and lunch are included in the price.

Schedule

- 8:00 Depart for Ayuthaya from Centara Ladprao
- 9:30 Visit main ruins in Ayuthaya
- 12:00 – 13:30 Lunch in Ayuthaya
- 13:40 Chai Wattanaram Temple Recent Fluvial System
- 16:00 Chedi Hoi Temple Paleo Shoreline
- 17:00 Leave for Bangkok
- 18:30 Arrive at Centara Ladprao

Price per person: \$75

Included in the trip - Transportation, Breaks, Lunch
Sightseeing trip in the Historic City of Ayutthaya!

What to bring:

Hat, Sunglasses, Hiking/comfortable closed-in shoes



จุฬาลงกรณ์
มหาวิทยาลัย
CHULALONGKORN UNIVERSITY



ธรณีวิทยา
GEOLOGY

Special Thanks to
Department of Geology,
Chulalongkorn University



SPWLA Asia Pacific
Regional Conference 2024





2024

Petrophysics Uncertainty Workshop Machine Learning Workshop

Co-Hosts



PTTEP



Thursday 10th October 2024 - Morning Session

Machine Learning Workshop - Price per person: \$75

Applied Machine Learning Workshop with Microsoft ML.Net

Machine Learning has become a hot topic in the petrophysics community with recent advances and libraries made available to end-users through easy-to-use platforms such as Python. It is often a challenge, however, to get data in and out of the machine learning platforms from petrophysics interpretation software.

This workshop will provide an applied workflow to using Microsoft's ML.Net library with Interactive Petrophysics and on a standalone basis. Topics will include: an introduction to machine learning algorithms and basic theory, data conditioning and preparation, comparison of new to older well known prediction algorithms, and how to utilize regression, classification, and time series implementations from ML.Net on petrophysics data.

Emphasis will be placed on creating applications in Visual Studio with CLR (C#) using Interactive Petrophysics' API for input/output. The attendees should get an understanding of how to use the newer ML algorithms, performance, and gain a tangible workflow and the necessary skills to create computer software to perform advanced curve prediction or classification on their own data sets.



Ryan Banas holds a BSc in Electrical/Computer engineering and an MSc in Geophysics. He has over 20 years of experience in oil and gas and software development. During his time, he has worked in roles as a field engineer, petrophysicist, reservoir engineer, and software engineer. He has worked on assets globally with a focus in the Permian Basin on developing software and workflows to improve the process of unconventional reservoir evaluation and modeling.

He is currently working as a consultant providing petrophysics, geomechanics, reservoir/hydraulic fracture modeling, training, and custom geoscience/engineering software solutions for operators.



SPWLA Asia Pacific
Regional Conference 2024





2024

Petrophysics Uncertainty Workshop Machine Learning Workshop

Co-Hosts



PTTEP



Thursday 10th October 2024 – Afternoon Session

Petrophysics Uncertainty Workshop - Price per person: \$75

Quantifying Petrophysical Uncertainty. Why is it important and how should we do it?
Rick Aldred, Consultant Petrophysicist.

Asset value is generally based on ‘proven’ estimates of hydrocarbons in place, and it is uncertainty that separates the ‘proven estimate’ from the ‘best technical estimate’. Therefore, quantifying petrophysical uncertainty is the key to demonstrating the value of data and the value that petrophysics brings to an asset.

There are various different methods commonly used for modelling petrophysical uncertainty and it is essential that they are applied correctly. To illustrate this a comparison of different methods is presented, highlighting the strengths and weaknesses of each and demonstrating how inappropriate techniques generally overestimate uncertainty and reduce asset value.

Uncertainty modelling also provides a method for understanding the value of information which helps in determining priorities, designing ‘fit for purpose’ logging and coring programs and justifying the costs of each aspect of data acquisition and interpretation.

The workshop will also discuss how petrophysical uncertainty is addressed in the Petroleum Resource Management System (PRMS) and consider opportunities for reviewing this reference, now that the SPWLA is involved.



Rick Aldred is a consultant petrophysicist based in Brisbane with 44 years’ industry experience, 41 of those in Petrophysics. These include 15 years with operating oil companies, 10 years with logging companies providing consulting services, 10 years in petrophysical software development (including researching and writing the uncertainty modules in Geolog software) and 9 years as an independent consultant. During this time he has worked in Western Europe, North Africa, The Middle East, The Indian Subcontinent, East and South-East Asia, North and South America, and Australia.

He is currently working as a consultant, specializing in building software solutions to solve complex petrophysical problems, training in advanced petrophysical applications and general petrophysical interpretation work.



SPWLA Asia Pacific
Regional Conference 2024



2024

Registration Open

October 6-9th 2024

Co-Hosts



PTTEP

Co-Hosts



Conference Banquet



Scientific Drilling

Poster Sponsor



PTTEP

Field Trip Sponsor



จุฬาลงกรณ์
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GEOLOGY

New Technology Forum Presenters



Geoactive



Weatherford®



Surface Logging Services
Drilling Solutions
Lab Studies
Innovation Hub



aspentech | Subsurface Science & Engineering



Petromac



Ikon
SCIENCE



SPWLA
BANGKOK CHAPTER

For more information, please
email: ap2024@spwla.org



ACOUSTICS SIG

The Acoustics SIG call for nominations for the 2024/2025 board has now closed, and by the time of publication, all members of the SIG should have received the election ballot by email. Once complete, notification of the new board will be sent to new members and updated on the SIG website. The Acoustics SIG also held a successful workshop on May 19 at the Rio conference, entitled “Towards the Effective Use of Borehole Acoustics: Understanding, Validating and Utilizing Sonic Measurements.” We would like to thank the workshop attendees and our instructors Matt Blyth (SLB), Philip Tracadas (HAL), Tiago Rossi (Petrobras), Brian Hornby (Hornby Geophysical), and Adam Donald (SLB). The workshop was attended by people with a range of acoustics backgrounds, from those looking for an introduction to the basics to some of the more experienced people within our industry. The workshop prompted a lot of discussion and good ideas on how the SIG can continue to provide valuable educational resources to SPWLA members in the future, as well as lots of ideas on how similar training can be conducted in the future.

If you have questions about the SIG, please contact acoustics_sig@spwla.org.



Tiago Rossi and Matt Blyth presenting at the 2024 Acoustics Workshop in Rio.

BATANGAS STATE UNIVERSITY STUDENT CHAPTER

General News

On April 20, 2024, the Society of Petrophysicists and Well Log Analysts – Batangas State University Student Chapter hosted “MentorConnect” via Zoom, focusing on empowering the next generation of petrophysicists and well-log analysts.

The event commenced with Almario Lasam (geologist) discussing advanced techniques in structural restoration and basin analysis, emphasizing their critical role in hydrocarbon exploration and the potential benefits for the Philippines. Dr. Carla B. Dimalanta led the afternoon session, highlighting the significant energy potential of gas hydrates in the Manila Trench and discussing the technological advancements needed for their exploitation. The event also included interactive mini-games and concluded with closing remarks from the organization’s president, Ms. Mary Jane Diasanta. Supported by various university chapters and geological societies, the event fostered collaboration and engagement within the geoscience community.

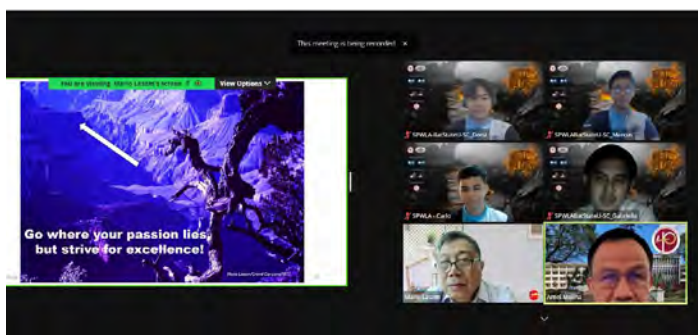
The SPWLA Batangas State University Student Chapter held its election for the 2024–2025 academic year on April 28, 2024. Out of 123 members, 97 cast their votes. John Kenneth Navarro, a third-year petroleum engineering student and incumbent Secretary for Internal Affairs, was elected as President. John Carlo Doria, also a third-year petroleum engineering student, became Vice President. Frances Anne Fidelson, a geological engineering student, assumed the role of Secretary General, with Russel Vincent Manalo and Niel Allen Delos Reyes elected as Assistant Secretary and Treasurer General, respectively. Jewel Anne Lalaine Manalo became Auditor, Jules Andrei Florendo, Director for External Affairs, and outgoing President Mary Jane Diasanta was elected as Membership Chairman. Michel Louise Dimapilis was elected as DRRM Chairperson, completing the new leadership team.

Recent Events

20 April 2024—MentorConnect: SPWLA Batangas State University Student Chapter hosted “MentorConnect” via Zoom, focusing on “Empowering the Petrophysicists and Well Log Analysts of Tomorrow.” The morning session featured Almario Lasam (geologist) discussing advanced techniques in structural restoration and basin analysis, highlighting their importance in hydrocarbon exploration and the potential benefits for the Philippines. The afternoon session, led by Dr. Carla B. Dimalanta, covered the potential of gas hydrates in the Manila Trench as a significant energy resource, discussing formation conditions and technological advancements. The event included interactive mini-games and concluded with gratitude expressed by the organization’s president, Ms. Mary Jane Diasanta. Supported by multiple university chapters and geological societies, the event emphasized collaboration and engagement in the geoscience community.



Introduction of the first speaker for the morning session.



Geol. Almario Lasam speaks about "Structural Restoration and Basin Analysis."



Dr. Carla Dimalanta talked about the "Occurrences of Gas Hydrates in Manila Trench."

which was then followed by the tallying of votes. The results were announced, revealing the newly elected student leaders of the Batangas State University Student Chapter. The election yielded a dynamic roster of student leaders poised to lead the SPWLA BSU Student Chapter to new heights. John Kenneth Navarro, a third-year petroleum engineering student and incumbent Secretary for Internal Affairs, emerged victorious as the President. Serving alongside him, John Carlo Doria, also a third-year petroleum engineering student and incumbent Secretary for External Affairs, secured the position of Vice President. Frances Anne Fidelson, a geological engineering student, assumed the role of Secretary General, while Russel Vincent Manalo and Niel Allen Delos Reyes were elected as Assistant Secretary and Treasurer General, respectively. Jewel Anne Lalaine Manalo took on the role of Auditor. Jules Andrei Florendo clinched the Director for External Affairs position, while Mary Jane Diasanta, the incumbent President, triumphed as Membership Chairman. Michel Louise Dimapilis was elected as DRRM Chairperson, rounding out the leadership team.

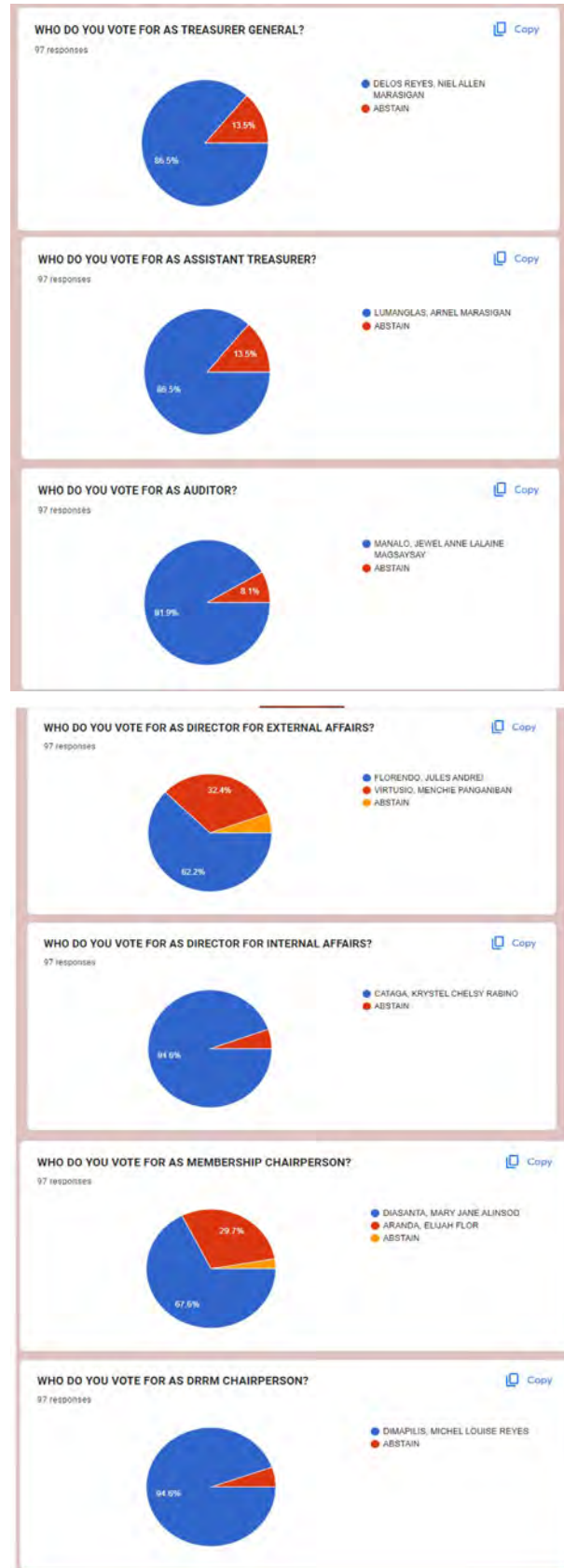
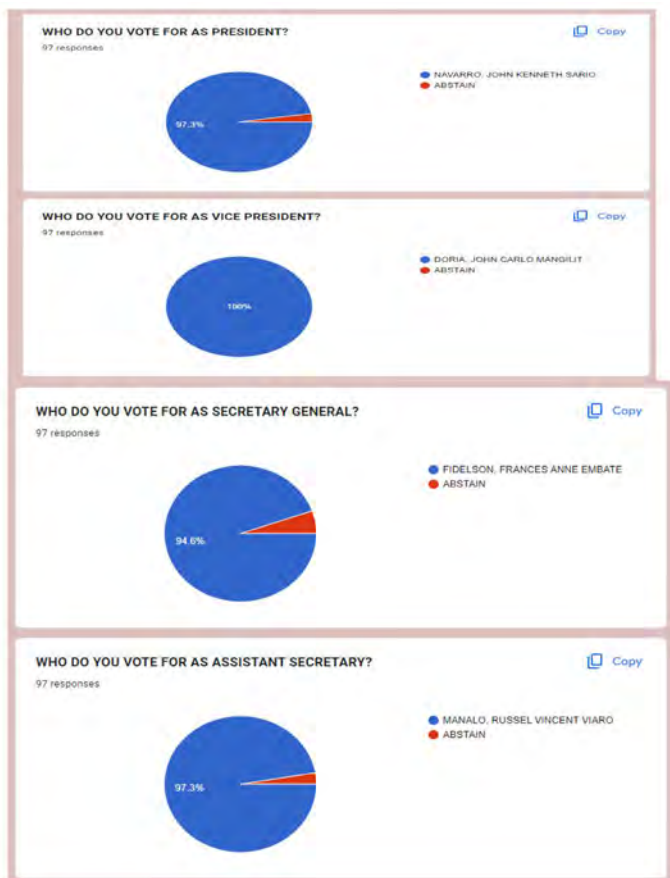


Election flyer.

28 April 2024—Election of Officers: SPWLA Batangas State University Student Chapter Election for the academic year 2024–2025 recently held an election. The election aimed to appoint a new set of student leaders who would steer the chapter toward its continued growth and excellence in the field of petrophysics and well-log analysis. Out of 123 members, 97 voters cast their vote,

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.

End of School Year 2024—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.



Election results.

BOREHOLE IMAGING (BHI) SIG

General News

The BHI SIG currently has 172 members.

Recent Events

At the SPWLA Annual Symposium in Rio, Peter Barrett and Christian Rambousek, members of the BHI SIG Board, chaired the session on “Imaging Technology and Applications – Beyond Dips.” The presentations gave a very good insight into the multiple applications of borehole image log data.

At a board meeting in early June, we invited additional experts to the board of the BHI SIG. The official announcement will soon be published on the BHI SIG website.

Upcoming Events

We are currently preparing the next BHI SIG workshop, which will be held online again. The workshop will focus on the geomechanical applications of image logs. The first announcement and call for abstracts will be sent out soon.

BRAZIL CHAPTER

General News

Our monthly meetings are held online every third Tuesday of the month at 4 pm BRT (UTC-3) (<https://www.youtube.com/@spwlabrazil>). Please consider subscribing to the channel and turning on 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 (dx@equinor.com).

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

Excited to announce we have launched! Visit and check the statistics of all registered monthly meetings delivered by our chapter at our monthly meetings dashboard: <https://SPWLABRChapterdashboard>.

SPWLA 65th Annual Logging Symposium

With great pleasure, the Brazil Chapter and its volunteers organized and hosted the SPWLA 65th Annual Logging Symposium in Rio de Janeiro. The event took place May 18 through 22, when we welcomed old friends and made new connections with the 489 attendees. Two field trips were successfully organized and conducted, focusing on spotlighting the fascinating Brazilian presalt carbonate rocks. The local chapter wants to extend our gratitude to everyone who submitted technical papers and congratulate the winners of the day’s presentations. We congratulate all students and professionals recognized at the ISPC and all SPWLA awardees for their effort and dedication to the society as well as for their technical achievements. We would like to thank our sponsors and exhibitors for their invaluable support, especially Petrobras, and we offer special thanks to Sharon and Stephanie for their support.

Recent Events

May 2024—The chapter hosted the 65th Annual Symposium, and the monthly webinar was adjourned.

18 June 2024—We held a monthly meeting with Anngy Daniela Roman Ortega (<https://www.linkedin.com/in/anngyroman/>) presenting the winning work of the International Student Paper Contest, entitled “Evaluation of Petrophysical and Geomechanical Properties of the Illinois Basin Decatur Project Reservoir for Safe CO₂ Storage.” Anngy received first place in the Undergrad/Masters category, and we hope she can encourage Brazilian students to get involved in SPWLA activities while disseminating knowledge in CCUS.

The SPWLA Brazil Chapter is still confirming the H2 2024 presentation calendar, so stay tuned to our LinkedIn page and YouTube channel to stay up to date with our schedule.

COLOMBIA CHAPTER



Board of Directors

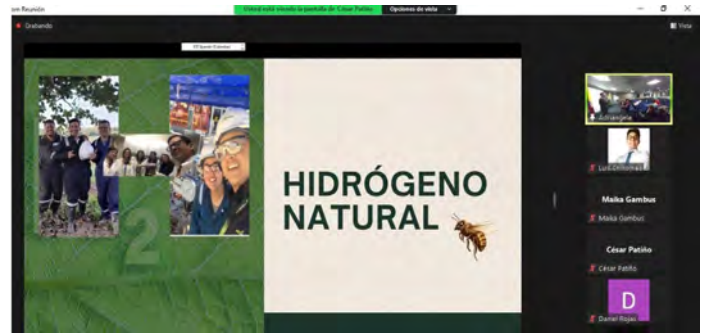
Miembro	Cargo SPWLA COL	Empresa	Linkedin
Maria Florencia Segovia	President	Ecopetrol	https://www.linkedin.com/in/maria-florencia-segovia-64bba933/
Ulises Bustos	Vicepresident	Schlumberger	https://www.linkedin.com/in/ulises-bustos-33538465/
Darling Criollo	Secretary	Halliburton	https://www.linkedin.com/in/darling-criollo-9502933/
Maria Isabel Sandoval	Treasurer	UIS	https://www.linkedin.com/in/maria-isabel-sandoval-martinez-8aa40683/
Maika Gambús Ordaz	Vocal1	UIS	https://www.linkedin.com/in/maika-gambus-1a925443/
Victoria Mousalli	Vocal2	UIS	https://www.linkedin.com/in/victoria-mousalli-26171655/

Recent Events

We are meeting to plan for the upcoming transition of our Board of Directors and planning new events.



The SPWLA Colombia team held a hybrid event titled “White Hydrogen: A Valuable Geological Resource for Energy Transition” by our speaker, César Patiño (Ecopetrol). The event was held at the University of America in Bogota, Colombia.



Upcoming Events

The team is preparing to organize upcoming events in collaboration with the academic community within the agreement context and in the facilities at the Universidad de America in Bogota-Colombia, as well as with prospective O&G companies. The topics to be discussed will be related to the following:

Laminated Shaly Sand Analysis

- Facimage, Cluster Analysis, and Log Prediction
- Saturation Height Modeling
- Quantitative Image and Texture Analysis
- Uncertainty Analysis

For Specialized Groups

- NMR Processing and Interpretation
- Full-Waveform Sonic
- PPP and Geomechanics Workflows

Recorded online events: <https://www.youtube.com/@spwla colombia5994>

Follow us on social networks:

DUBAI CHAPTER

General News

- SPWLA Dubai 2024–2025:
 - o Muhammad A. Gibrata, PhD (Chairman, Dragon Oil)
 - o Mellisa R. (Secretary)
 - o Ihsan Murat (DNO)
 - o Omar Al Farasi, PhD (Dragon Oil)
 - o Aki (ex-Halliburton)
 - o Irina (ex-TGT)
 - o Jennifer (Geo-active)

Recent Events

2023 October 2023—Technical Presentation on “Geomechanical Modelling—One Approach to De-Risking the Practice of CCS.”

Data about the state of the Earth suggest that carbon dioxide must be brought under control to arrest the deleterious effects of climate change. The oil industry is tackling this challenge in part by injecting CO₂ underground, both for enhanced oil recovery (EOR) and for long-term storage purposes. The implementation of carbon capture and storage (CCS) involves various technologies and requires four sequential steps: CO₂ capture, compression, transport via pipeline, and geologic storage in either depleted hydrocarbon reservoirs or deep saline formations. At the storage stage, CO₂ is injected into geologic formations that are at a depth of 1 km—or greater—to ensure it remains in a dense liquid or supercritical fluid state. The primary factors determining the suitability of a site for storing CO₂ include capacity—which is the potential to contain the projected volume of CO₂ for hundreds of years—injectivity—which is the ability to sustain a high injection rate—and containment, which is

the ability to control the trapping of CO₂ in the subsurface. The injection of high volumes of CO₂ may create problems—potentially causing faults to slip, generating microseismic activity, resulting in some degree of uplift, and creating leakage pathways. Therefore, one of the important lessons learned about the practice of CCS is the need for detailed geologic and geomechanical characterization of the reservoir and overburden. This talk discusses the essential role geomechanics plays in guaranteeing both the safety and efficacy of the practice of CCS as a decarbonization option.

7 March 2024—The Dubai Government Award Appreciation for SPWLA Dubai was presented to Muhammad A. Gibrata.

28 March 2024—SPWLA Dubai and SPWLA meeting was held to prepare for the 2025 SPWLA Symposium at the Grand Hyatt Hotel Dubai UAE. Attendees included Muhammad A. Gibrata, Jennifer Market, Jenifer – Dubai Government representative, and Jestine EO-Dubai.

Upcoming Events

- Finalization venue for the 2025 SPLWA Symposium at the Hilton Dubai, UAE. Jennifer Market, Muhammad A. Gibrata, Sharon Johnson, and Iluian Hulea have worked on the particular plan.
- Sponsorship proposal and discussion on Q2-2024 for SPWLA-2025
- Potential technical presentation on “Integrated Petrophysics and Reservoir Characterization for EOR” in Q3-2024.



UFRJ STUDENT CHAPTER

General News

Our chapter maintains normal activities, now with 18 active members and a professor advisor, organized below:

Board Members

President: Vittor Cambria
 Vice President: Renan Camillo
 Secretary and Treasurer: Marina Alfradique
 Professor Advisor: Jorge Picanço

Advisor Members

Rodrigo Azambuja
 Iago da Costa
 Sarah Aleixo
 Sophia D’Orsi

Marketing Members

Gabriel Ferraz
 Luís Henrique Trianon

Logistic Members

Alexandre Nobre
 Guilherme Lontra

New Chapter Officers

Ântonia Barbosa
 Gabriel Amon’s
 Julianna Machado
 Lívia Isabor
 Luciano Barros
 Manuela Braga
 Pedro Van Boekel

Recent News

Now, the chapter is directed by Vittor Cambria and Vice President Renan Camilo. Guilherme Lontra and Gabriel Ferraz now compose the positions of Logistics and Marketing. Additionally, Marina Alfradique now occupies the position of Treasurer and Secretary, replacing former member Sofia D’Orsi, who occupied the position of Treasurer. Recently, we created a new position for the old members, called “Advisor Member.” This new position means the possibility of remaining in the chapter but without participating in the projects or any decisions.

We supported the SPWLA Brazil for the International Student Paper Contest that occurred in March. In the same

event, our President had the opportunity to participate in “Leadership Lunched” with the International President, Past Presidents, Chapter Presidents, and SIG Coordinators. It was an amazing meeting all the international members and understanding a little bit more about the dynamic of SPWLA International.

The Vice President and Secretary also gave a presentation on the student chapter for new students about the organization selection process for new students joining the chapter. In total, we have seven new members, and they will be announced this week. After this, the SPWLA, along with other organizations at the university, supported the “Geologist Day,” which totaled eight speeches.

The meeting agendas are listed in the topic “Upcoming Events.”



Organization members of Geologist Day included SPWLA and AAPG.



Member of SPWLA Sarah Aleixo participating in the SPWLA International Student Paper Contest.

Upcoming Events

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

- Stage completed
- Stage in process
- Future stage



Banner about Geologist Day.

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.

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. First, there is Professor Maira da Costa de Oliveira Lima Santo (PhD from COPPE/UFRJ) in civil engineering in the area of petroleum systems, who developed her doctoral research at LRAP (Advanced Petroleum Recovery Laboratory) and today

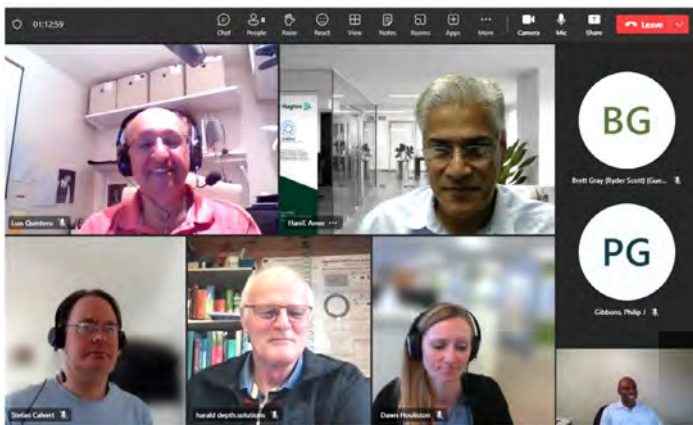
works mainly using MICP, NMR, and X-ray microtomography techniques. The second possibility is Gilberto Raitz, Junior, who has a master’s degree in petrophysics from UFRJ with an emphasis on petrophysical characterization and machine learning using petrophysical data.

The group members understood the need to learn about the Petrel software, so we are getting with Gilberto Raitz about offering a mini-course for the chapter members. We received good feedback and affirmative response. So, we are organizing the next two events: The first one consists of a training course with Gilberto Raitz covering beginning petrophysics for internal members, and the second one is a webinar with Gilberto about petrophysics in real situations inside of a company.

HYDROCARBON RESOURCES SIG

Recent News

20 March 2024—The SIG held a virtual Technical Session as part of its “Porosity Chat Series.” The presentation by Amer Hanif (Baker Hughes) shared theory, insights, and examples on various sources of porosity and their respective meanings and uses, along with common pitfalls.



Attendees from the “Porosity Chat Series, Q1 2024” meeting, March 2024.

20–22 May 2024—The SIG, in collaboration with the Oil and Gas Reserves Committee (OGRC), presented a poster session on “The Role of Petrophysics in Hydrocarbon Resources and Reserves Assessment Using the Petroleum Resources Management System ‘PRMS’” at the SPWLA

Annual Symposium, in Rio de Janeiro, Brazil. The SIG was represented at the conference by Javier Miranda and Luis Quintero, while Monica Motta represented the OGRC. The poster session received a lot of interest, with many discussions arising around the use of the PRMS and the impact petrophysics has on reserves and resources assessments. The SIG would also like to thank **Petrobras** for sponsoring the poster printing costs.



Picture of attendees and presenters during the SPWLA Annual Symposium Poster Session May 20–22, 2024.



Poster presenters (from left to right) Javier Miranda, Luis Quintero, and Monica Motta during the SPWLA Annual Symposium Poster Session on May 20-22, 2024.

30 June 2024—The SIG has been requested to comment on the existing 2018 PRMS document and is still soliciting comments from SIG members before 30 June in readiness for an updated version of the PRMS.

The SPWLA Hydrocarbon Resources SIG also continues its representation and involvement in the Joint Committee on Reserves Evaluator Training (JCRET), which was formed in 2006. JCRET exists to meet the need for high-quality, industry-recognized training for individuals responsible for evaluating petroleum reserves and resources. In addition to SPWLA, which joined recently, there are five other member organizations such as the Society of Petroleum Engineers (SPE), American Association of Petroleum Geologists (AAPG), World Petroleum Council (WPC), Society of Petroleum Evaluation Engineers (SPEE), and Society of Exploration Geophysicists (SEG). Each member organization appoints up to three individuals to serve on the committee for up to 3 years. All appointed individuals have many years of experience in reserves evaluation and auditing and have earned the respect of their industry peers.

Currently, Javier Miranda and Philip Gibbons, part of the Hydrocarbon Resources SIG board, represent SPWLA in the JCRET. As part of their responsibilities, they attend regular meetings to advance reserves training initiatives and report back to the SIG and SPWLA the ongoing work, plans, and collective observations of several independent reserves estimators and auditors regarding JCRET aspects.

Upcoming Events

The SPWLA Hydrocarbon Resources SIG will be looking to hold another Technical Session in the second half of 2024 and would request any interested members to contact the SIG if they have a relevant topic they would like to discuss.

Keep an eye on the SIG’s webpage on the SPWLA website under the Chapters/SIGS section, where you can find further information on the SIG, its vision, mission, past and upcoming events, and contact information.

Finally, we solicit new members to join the SIG, given the importance of resources and reserves estimation in our industry. SIG contact email: reserves_sig@spwla.org

FORMATION EVALUATION SOCIETY OF MALAYSIA (FESM)

FESM, a local chapter of the Formation Evaluation Society of Malaysia, is based in Kuala Lumpur. Technical meetings are held monthly. For information on the meeting, please visit our chapter website at www.fesmkl.com.

General News

FESM held multiple discussions online to discuss the recent updates to the society, including bank accounts, sponsorship, upcoming events, and the way forward in the next year.

Recent Events

16 May 2024—FESM held a talk by Tarek S. Mohamed to FESM 2024 Talk Series (April) on “Using Formation-Tester Measurements to Estimate Depth of Invasion and Water.” The talk covers the topic of an in-house petrophysical method and fluid flow simulator to perform numerical simulations of formation testing, mud-filtrate invasion, and well logs to estimate ROI and S_w . The simulations are initialized with the construction of a multilayer petrophysical model and later using laboratory measurements and drawdown cycles performed with a dual packer formation to simulate actual fluid sampling operations.

20 June 2024—A talk was presented by Jie Wang on “Salinity Effect on CO₂ Solubility in Live Formation Water Under Reservoir Conditions.”

FESM members also remain heavily involved in managing the upcoming FESM Topical Conference. FESM is also actively involved in promoting the 2024 FESM Topical Conference. The first phase of promotion is to advertise the abstract submission of the event. The paper submission is expected to close on 30 June 2024.



The poster for the 2024 FESM Topical Conference.

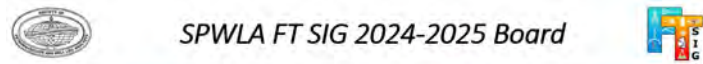
FORMATION TESTING SIG

Recent Events

Change and Handover of Executive Committee. Congratulations to the new commit! (picture below)



Attendees at the FT SIG Annual Meeting 2023.



Gibran Hashmi
Chair
Halliburton



Anup Hunnur
Secretary
Baker Hughes



Camilo Gelvez
Vice-Chair
BP



Jules El-Khoury
Treasurer
Schlumberger

If you have questions on any of our events, you can contact us at formation.testing.sig@spwla.org.

INDIA CHAPTER

General News

Please find below the list of Executive Members of the SPWLA India Chapter:

Upcoming Events

FT SIG Webinar Series: August 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. The call for abstracts is already out (see below). A photo is included from last year’s Annual Meeting.

SPWLA FT SIG 2024 CONFERENCE
September 19th, 2024 | 201 Helios Way, Houston, TX, 77079

Call for Abstracts

The Executive Committee of the SPWLA FT SIG would like to invite you to its 2024 annual Conference. The conference will take place on **Sep 19th** at **BP Helios Plaza Auditorium** in Houston, Texas featuring a day of talks and discussions related to the formation testing discipline. The event provides an opportunity to showcase recent advancements in the field and to connect or reconnect with individuals who share the similar interests in formation testing.

The program will be comprised of presentations solicited by the review panel. Abstracts are welcome to be submitted by email to: Formation.Testing.SIG@spwla.org. Please choose the category of your abstract from the ones below and specify during submission. There will be no paper publication in OnePetro, hence manuscript submission is not required after an abstract has been approved by the panel.

We request that abstracts are limited to a 400-word maximum. Abstracts selected for oral presentation will have up to 20 minutes presentation time, immediately followed by 10 minutes for questions and discussion.

Abstract Submission Deadline: July 14th, 2024

The list of abstract categories for the conference includes:

- Going Beyond Traditional Testing
- Formation Testing in Tight and Unconventional Reservoirs
- Role of Machine Learning and Digitalization in FT
- Role of Formation Testing in the Energy Transition
- Fluid Sampling and Characterization
- Integration of FT into Formation Evaluation

Sno	Position	First Name	Company	Email Address
1	PRESIDENT	SANDIP KUMAR SINGHAL	ONGC	singhal123_s@ongc.co.in
2	VICE PRESIDENT (MEMBERSHIP)	RAKESH GURU	ONGC	guru_rakesh@ongc.co.in
3	VICE PRESIDENT (RESEARCH)	YOGESH BAHUKHANDI	ONGC	bahukhandi_y@ongc.co.in
4	VICE PRESIDENT (TECHNOLOGY)	KANCHAN PRASAD	SLB	kprasad2@slb.com
5	VICE PRESIDENT (TECH EVALUATION)	SAURABH KUMAR	BAKER HUGHES	kumar.saurabh@bakerhughes.com
6	VICE PRESIDENT (EDUCATION)	SANJAY VOHRA	PREMIER AGENCIES	sanjayvohra@premag.co.in
7	VICE PRESIDENT (PUBLICATIONS)	SOMA CHATTERJEE	ONGC	chatterjee_soma@ongc.co.in
8	SECRETARY	VIVEK GARG	ONGC	garg_vivek@ongc.co.in
9	TREASURER	RAJNISH KUMAR	ONGC	kumar_rajnish@ongc.co.in
10	JOINT SECRETARY (MEMBERSHIP)	RAMESH SINGH CHAUHAN	ONGC	chauhan_rs@ongc.co.in
11	JOINT SECRETARY (MEMBERSHIP)	NEETA SINHA	ONGC	chaudhary_neeta@ongc.co.in
12	JOINT SECRETARY (TECHNOLOGY)	ARPIT SINGHAL	HOSI	arpit.singhal@halliburton.com
13	JOINT SECRETARY (TECHNOLOGY)	NAMAN WADHWA	BAKER-LWD	naman.wadhwa@bakerhughes.com
14	JOINT SECRETARY (EDUCATION)	SONIA MALIK	SLB	SMalik4@slb.com
15	JOINT SECRETARY (EDUCATION)	KULDEEP SINGH CHIB	HLSA	kuldeep.chib@hlsasia.com
16	JOINT SECRETARY (PUBLICATIONS)	SAJITH C S	ONGC	sajith_cs@ongc.co.in
17	JOINT SECRETARY (PUBLICATIONS)	VIRESH KUMAR JADHAV	ONGC	kumar_jadhav@ongc.co.in

Recent Events

24 February 2024—Technical Session Conducted in Mumbai, India: The SPWLA India Chapter organized a technical session covering two presentations for the benefit of its members in Mumbai. The first presentation on **“Value Addition Using Pulsed-Neutron Technology”** was presented by **Ms Nishi Chauhan**, technical solution advisor (Geoscience), M/s HLSA. The second Presentation on **“An Integrated Approach for Variable ‘m’ Calculation and T₂ Cutoff for Low Resistivity Carbonates”** was

presented by **Mr. Nishant Pandey**, suptdg. geophysicist (Wells), CEWELL, ONGC. President of the chapter, Mr. S.K. Singhal, welcomed the gathering, after which Mr. Kuldeep Singh Chib, Joint Secretary (Education), gave a brief on the two topics. The session was well attended by petrophysicists and logging engineers and appreciated by all present.



President of the chapter (Mr. S.K. Singhal) and Joint Secretary (Education) Mr. Kuldeep Singh congratulated Ms. Nishi Chauhan (left) and Mr. Nishant Pandey (right) for their technical presentations.

engineers of Mumbai when they undertook a one-day geological field trip under the auspices of the SPWLA India chapter. The field trip, covering volcanic and volcanoclastic exposures and outcrops along the suburbs of Mumbai, was arranged with the help of the Department of Earth Sciences, Indian Institute of Technology (IIT) Bombay. Dr. Hetu Sheth, professor of igneous petrology and volcanology at IITB, along with Dr. Anmol Naik, a post-doctoral research scholar, led the team of 30-odd members on a magnificent journey where events dating back to ~65 million years were explained with the help of present-day remnants preserved by Mother Nature. The geology of Mumbai is predominantly volcanic, with mafic (basalt, dolerite), intermediate (andesite), and felsic (rhyolite) products co-existing on the seven islands that are linked together by reclaimed land. The sites for the fieldwork were so chosen that a few of these important rock-cut exposures or outcrops could be covered in a day. The participants were all eyes and ears as the professor explained in detail the Deccan continental flood basalt (CFB) volcanism and Western offshore basin formation. The field trip began at the Sanjay Gandhi National Park (SGNP), which houses the famous Buddhist heritage site of Kanheri caves. Units of pillow lava in the form of lobes and tubes resembling giant ginger rhizomes are exposed in the dry bed of the Dahisar River within the park. The pillow lava exposure at SGNP could serve as a geo-heritage site, as not many pillow lavas are recorded in CFB provinces. A short trek downhill, the team could witness outcrops of basaltic rocks where secondary mineralization in cavities was observed. A massive dolerite dyke within an essentially trachyte province was another stopover inside the national park. From SGNP, the team proceeded to the Uttan-Dongri area where abandoned quarries had exposures of columnar jointed rhyolites and volcanic ash deposits. The field trip ended on a positive note to explore further, as learning is always a continuous process. Earlier in the day, the Executive Director-Chief Logging Services and President of the SPWLA India Chapter S.K. Singhal flagged off the field trip from 11 High, ONGC Campus. Taking the initiative in organizing the field trip, he reiterated the need for getting field acquaintance for geoscientists, as any interpretation should explain a geological condition. Thanking profusely the faculty members from IITB, he acknowledged their support in making the field trip interactive and also handed over participation certificates to the members at the end of the trip.

24 February 2024—SPWLA India Chapter Organizes a Geological Field Trip – A Tryst With Deccan Volcanism – for its Members in Mumbai, India. It was an altogether different experience for the petrophysicists and logging



Team members posing for a group photo inside an abandoned rhyolite quarry.



Volcanic ash deposits overlain by columns of rhyolite.



Pillow lava exposure at SGNP.



Massive dolerite dyke exposure along the Dahisar River.

2 June 2024—General Body Meeting of SPWLA India Chapter at Monteria Village, Karjat, Mumbai. The SPWLA India Chapter convened a successful General Body Meeting at Monteria Village, Karjat, Mumbai. Joint Secretary (Membership) Mr. R.S. Chauhan welcomed the gathering, followed by opening remarks and an agenda by President of the chapter, Mr. S.K. Singhal. The session was well attended by 40+ members, showcasing the strong engagement and commitment within the SPWLA community in India. Mr. Viresh Jadhav, Joint Secretary (Publications), gave a presentation on the annual activities of the SPWLA India Chapter. The meeting addressed several critical agenda points crucial for the progress and strategic direction of the chapter. These points included a Review of the Chapter’s Activities during the fiscal year 2023–24, a synopsis of the 5th SPWLA India Symposium-2023, current membership status, ratification of additional executive member positions, the possibility of having student chapters in universities/institutes, etc. The meeting concluded with a vote of thanks from Treasurer Mr. Rajnish Kumar, acknowledging the efforts of all members and the leadership team for their unwavering dedication and contributions. The scenic location of Monteria Village provided an ideal backdrop for productive discussions and camaraderie, setting a positive tone for the year ahead.



Joint Sec. (Membership) R.S. Chauhan welcoming gathering.



President S.K. Singhal delivering agenda of the meeting.



Joint Sec. (Publications) Viresh Jadhav delivering a presentation of the activities of chapter.



Treasurer Rajnish Kumar concluded the meeting with a note of thanks.



The President addressing queries by members.



Group photo of SPWLA India Chapter Members in GBM.

Upcoming Events

July–August 2024—Elections for the Executive Committee of SPWLA India Chapter will be held.

LONDON PETROPHYSICAL SOCIETY (LPS)

It has been a busy start to the year for the LPS. We are pleased to announce the addition of new sponsors to the London Petrophysical Society (LPS), and we extend our heartfelt thanks to existing sponsors for their generous support. These contributions are vital in helping us achieve our mission of promoting the science of petrophysics and supporting our community. Below is a snapshot of our sponsors for 23/24:



General News

We are proud to highlight the recent presentation by our committee member, Andrew Johnson, at the SPWLA 65th Annual Logging Symposium in Rio. Andrew delivered an insightful talk titled “Applications of a New Multiphysics Inversion Technique,” showcasing cutting-edge advancements

in the field. His participation underscores LPS’s commitment to fostering knowledge exchange and innovation within the petrophysical community.

We are pleased to welcome Lumbanirvan Pardede (Halliburton) to the LPS committee. Lumbanirvan will be taking over the role of VP Data Protection and Membership from Rebecca Lee.

Recent Events

March 2024—LPS is proud of recent community contributions by three of its distinguished members—Jamie Davidson (BP), John Williams (Islay Petrophysics), and Iain Whyte (Islay Petrophysics)—who participated in an extraordinary charity bike ride in March. Collectively, they rode over 7,000 km across the Alps to raise awareness for the motor neuron disease charity My Name’s 5 Doddie Foundation. Between the three of them, they have raised over £150,000 for the charity over the past four years.



John Williams and Iain Whyte (Islay Petrophysics)—LPS members riding for a motor neuron disease charity.

18 April and 9 May 2024—LPS also hosted two in-person evening lectures in April and May. On April 18, Andrew Johnson presented case studies of a new multiphysics inversion technique for integrated modern well-logging techniques in unconventional reservoirs. On May 9, geology and rock physics expert Mohammed Al-Hamad presented a method for obtaining interfacial tensions of reservoir fluids at reservoir conditions. Both events included an evening social hour with wine and light bites after the technical lecture.

6 June 2024—The LPS hosted an all-day hybrid seminar on the topic of “Integrating Petrophysical Products With

Uncertainty” at the Geological Society, Burlington House, Piccadilly. The seminar included 10 technical talks from LPS members on petrophysical uncertainty, ranging from reservoir modeling, saturation equations, ultradeep resistivity for geosteering, volumetric inversion models, and other captivating topics. The session was very well attended throughout the day. The event included lunch as well as an evening social event where LPS attendees networked over wine and light bites.



LPS All-Day June Seminar speakers Michel Claverie (top left, Islay Petrophysics), Jean-Etienne Jacolin (top right, SLB), and in-person attendees at the Geological Society in London.

LPS has several additional upcoming events planned for 2024:

Event	Date	Time	Location
September All-Day Seminar	19 September 2024	09:00–17:00	The Geological Society, Burlington House
October Evening Lecture	10 October 2024	18:00–20:00	The Geological Society, Burlington House
November AGM	07 November 2024	17:00–20:00	The Geological Society, Burlington House
December All-Day Seminar	05 December 2024	09:00 – 17:00	The Geological Society, Burlington House

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 May and June talks of 2024 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
mai.23	Downhole Evaluation of Integrity Challenges using High Resolution 3D Ultrasonic Imaging	Vishal Sharma
jun.23	Using the 'entire' acoustic waveform to quantify formation properties beyond just velocity	Phillip Tracadas

Affiliation	Attendance (incl speaker) at the Gård	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
Sales Director for Darkvision's Scandinavian Business	16	2	18
Geoscientist subject matter expert for borehole acoustics	15	2	17

NFES Student Travel Grant Announcement

We are thrilled to announce that the **NFES is offering a travel grant to support students from Norway** in presenting their research in formation evaluation and related fields. This grant aims to foster academic exchange and development among students, facilitating their participation in NFES’s technical seminars and workshops as well as global SPWLA.

Grant Details

- **Annual Budget:** 25,000 NOK
- **Grant Purpose:** The grant can be used to cover travel expenses for students who have their presentations accepted at NFES’s technical seminars, conferences, or global SPWLA events.
- **Distribution:** The annual budget will be allocated across multiple trips. Please note that some trips might only be partially covered.

How to Apply

1. To apply, students must have an accepted presentation at one of the specified events.
2. Complete the [application form](#) available on our webpage, including details of the accepted presentation and a brief description of your research.
3. Submit the completed form for consideration.
4. Selection Process.

Funding decisions will be made by the NFES board, ensuring a fair and thorough review of all applications. We encourage all students with accepted presentations to apply for this unique opportunity to gain international exposure

and share their research with peers and professionals in the field. For more information, please contact vp_pr@nfes.org.

SPWLA Annual Symposium

NFES attended the SPWLA 65th Annual Symposium in Rio de Janeiro. In addition, NFES has contributed by supporting one Norwegian student by granting 5,000 NOK supporting the travel cost for the student attending the student competition in Rio.

NFES 2024 Board

The Annual general assembly was held on the June 4, 2024 with the following agenda:

- Current Board 2023 to 2024/25
- Financials/Tax Reporting
- Sponsorship
- Membership status
- Technical meetings
- Students travel support
- Field trip
- Board 2024 to 2025/26
- AOB

A short summary of the meeting:

- Higher income from member fees
- Increased meeting cost → regular physical meetings
- General NFES Sponsorships increase – best since 2018
- Handing over with strong financial results
- 2024–2026 NFES board: We are happy to increase NFE’s board by a new member dealing with the Energy Transition.
 - o PRESIDENT (2 years 2023–2025): Dler Mirza (AkerBP)
 - o VICE PRESIDENT – MEMBERSHIP (2 years 2023–2025): Subhadeep Sarkar (SLB)
 - o VICE PRESIDENT – PROGRAM (2 years 2023–2025): Venkataraman Jambunathan (Halliburton)
 - o VICE PRESIDENT – TECHNOLOGY & SOCIAL MEDIA (2 years 2023–2025): Irada Yusufova (Equinor)
 - o VICE PRESIDENT – FINANCE (2 years 2024–2026): Torunn Hana (Repsol)
 - o VICE PRESIDENT – SPONSORSHIP (2 years 2024–2026): Annette Larsen (Logtek)
 - o VICE PRESIDENT – ACADEMIA RELATION (2 years 2022–2024): Sergey Alyaev (NORCE)
 - o VICE PRESIDENT – Energy Transition (2 years 2024–2026): Lina Bore (Baker Hughes)

Sponsor News

WellID has confirmed its interest in becoming a 2024–2025 sponsor supporting the Norwegian society.



NFES 2024 Sponsors

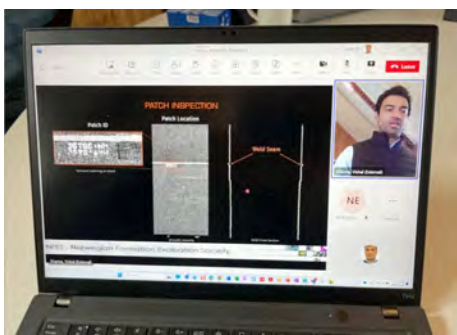


Recent Events

8 May 2024—Monthly Technical Meeting: We hosted a very interesting talk by Vishal Sharma (Dark Vision) titled “Downhole Evaluation of Integrity Challenges Using High Resolution 3D Ultrasonic Imaging.”



Venkat Jambunathan, NFES VP Program, presents the NFES ice bear in gratitude for a well-attended and delivered presentation by Vishal Sharma (to the right).



The presentation was also streamed to our members by Teams.

5 June 2024—Monthly Technical Meeting: We hosted a very interesting talk by Philip Tracadas (Halliburton) with the following title: “Using the ‘Entire’ Acoustic Waveform to Quantify Formation Properties Beyond Just Velocity.”



Lina Bore, VP Energy Transition, presents the NFES ice bear in gratitude for a well-attended and delivered presentation by Philip Tracadas (to the right).

NUCLEAR LOGGING SIG

General News

Nuclear SIG Meeting in Rio de Janeiro

On Tuesday, May 21, a group of 17 Nuclear SIG members and nuclear logging enthusiasts attending the 2024 SPWLA Annual Symposium in Rio were able to wear themselves on the beautiful beach of the hotel for a meet-and-greet session and exchanged ideas about the SIG and its future activities. Several SIG members from South America joined. The key points discussed were: (1) introductions and past activities; (2) source issues – neutron source issues and gamma ray source issues; (3) new topics for nuclear applications – (i) carbon capture sequestration (CCS), (ii) radioactive waste storage, (iii) geologic hydrogen, and (4) organizational issues – dissemination of information about nuclear logging, the 2020/2021 SIG survey and a possible new survey, and the SIG EC transition. A number of action items were identified. The details can be found in the Minutes posted on the SIG web page. https://www.spwla.org/SPWLA/Chapters_SIGs/SIGs/Nuclear/_Nuclear.aspx

SIG Member Wins Best Petrophysics Paper of 2023

Please congratulate Dr. Dale E. Fitz, the Nuclear SIG Secretary, formerly of ExxonMobil and currently a consultant, who was honored at the Symposium with a Best Journal Paper Award of 2023 for his paper, “Evolution of Casedhole Nuclear Surveillance Logging Through Time,” *Petrophysics*, **64**(4) (August 2023).

Special Focus Section in *Petrophysics Journal*

The June issue of *Petrophysics* (63(3)) published a Special Section on Petrophysics Beyond Petroleum – Emerging Technologies with the following papers:

- “Nuclear Logging in Geological Probing for a Low-Carbon Energy Future – A New Frontier?” by Ahmed Badruzzaman
- “Petrophysical Analyses for Supporting the Search for a Claystone-Hosted Nuclear Repository” by Joachim Strobel
- “Underground Hydrogen Storage in Porous Media: The Potential Role of Petrophysics” by Esuru Rita Okoroafor, Lokesh Kumar Sekar, and Henry Galvis
- “Automatic Geological Facies Analysis in Crust-Mantle Transition Zone” by Chiaki Morelli, Shiduo Yang, Yuki Maehara, Huimin Cai, Kyaw Moe, Yasuhiro Yamada, and Juerg Matter

Each paper has significant nuclear logging components. The SIG Chair, Dr. Ahmed Badruzzaman, formerly of Chevron and currently a consultant and a member of the Professional Faculty at the University of California, Berkeley, CA, served as the Guest Editor. Dr. Chelsea Newgord, SPWLA VP Social Media, posted the following link on the volume: <https://www.linkedin.com/feed/update/urn:li:activity:7203612661765337088>

Upcoming SIG Technical Meeting

A large number of nuclear papers were presented at the 2024 Symposium, which depicted significant advances in measurement concepts, tool design, and application. The SIG VP of Technology, Dr. R.J. Radtke (of SLB), is planning an SIG Technical Meeting in October, during which several of these papers will be discussed in greater detail. Stay tuned.

SAUDI ARABIA CHAPTER

Recent Events

30 April–1 May 2024—The SPWLA Saudi Arabia Chapter (SAC) conducted in Dhahran the 14th Topical Workshop on “Advances in Geothermal Energy Exploration and Development.” As the world accelerates its shift towards renewable energy to achieve net-zero emissions within the next two decades, geothermal energy is becoming increasingly significant due to its sustainability. The workshop aimed to highlight and discuss the latest advancements in geothermal energy exploration, assessment, and extraction. On April 29, SPWLA SAC

organized a pre-event for five short courses led by KFUPM professors to enhance knowledge sharing between academia, operating companies, and service companies. These courses covered topics such as an introduction to geothermal energy, resource assessment, basics and applications, exploration methods, geophysics for geothermal, and geothermal project development focused on power generation. Throughout the workshop, a range of technical subjects were covered, including geothermal exploration, evaluation, drilling, testing, production, and case studies. On the first day of the workshop, presentations emphasized the importance of geothermal exploration and reservoir characterization, while discussions on well placement strategies highlighted their critical role in ensuring positive returns on investment. On the second day, discussions centered around geothermal project development and production, discussing the utilization of geophysical data, geothermal play fairway analysis (GPFA), and multiphase data in the development and production of geothermal reservoirs. Presentations highlighted the challenges of drilling wells in geothermal reservoirs, supported by successful case studies showcasing new technologies that enhance the rate of penetration and minimize non-productive time. Additionally, various posters were presented, offering case studies on different aspects of geothermal reservoir exploration, development, and production. The workshop also featured two panel sessions that provided a platform to discuss the challenges and future prospects of geothermal energy in terms of drilling, development, and production. With strong attendance and significant contributions, the event emphasized the growing importance of geothermal energy in the global transition towards renewable energy, highlighting the innovative approaches and technological advancements driving the field forward. We would like to thank TAQA Geothermal for sponsoring this event.



SPWLA SAC 14th topical workshop on “Advances in Geothermal Energy Exploration and Development” group photo.

SOUTHWEST CHINA CHAPTER

Recent Events

13–14 January 2024—The 4th Annual SPWLA-SW Conference

Successfully Held: The 4th Annual Meeting of SPWLA-SW, sponsored by the Society of Petrophysicists and Well Log Analysts, SPWLA-SWCHINA CHAPTER and organized by the College of Geo-exploration Science and Technology of Jilin University, the Virtual Simulation Experimental Teaching Center for Stereoscopic Exploration of Geological Resources of Jilin University, as well as co-sponsored by a number of universities in China, was opened in the Center for Stereoscopic Prospecting of Geological Resources of Jilin University. The conference was divided into 2 days, with offline reports and online live streaming synchronized. More than 100 scholars and researchers from universities, research institutions, and enterprise units across the country participated in the conference, with 173 offline registrations and the cumulative number of online views of the conference exceeding 25,000 times. At the beginning of the meeting, Prof. Zhaofa Zeng, Dean of the School of Earth Exploration Science and Technology of Jilin University, and Prof. Hua Wang, President of SPWLA-SW, made opening speeches for the meeting. Prof. Zhaofa Zeng warmly welcomed all the guests and scholars attending the conference. He highly affirmed the significance of the conference, encouraged everyone to have in-depth discussions and collision of sparks of ideas in order to continue to promote the in-depth development of the discipline and industry, and wished the conference to achieve fruitful results. President Hua Wang gave a detailed working report on the development of the society and put forward the key points for 2024. At the same time, he affirmed the important role of the society and committed to developing the society into an important platform for the exchange of scholars, technicians, and students related to petrophysics, logging analysis, reservoir evaluation, and development in China.



Address by Mr. Zeng Zhaofa, Dean of the College of Geo-exploration Science and Technology, Jilin University.



Address by Prof. Wang Hua, President of SPWLA-SW.

Four professors, namely Prof. Jianguo Sun, Prof. Changchun Yin, Prof. Hongnian Wang, and Prof. Maojin Tan, were invited to give the keynote speeches, and 10 professors, including Prof. Jianchao Cai, Prof. Zonghai Xie, and Prof. Dian Wang, were invited to give the invited speeches.



(Top) Prof. Jianguo Sun and (bottom) Prof. Changchun Yin.



(Top) Prof. Hongnian Wang and (bottom) Prof. Maojin Tan.

A total of 93 abstract submissions were received, and 24 experts and scholars were invited to give a report on the conference, who shared their experiences with the participants and answered and exchanged in-depth information on the relevant questions raised by the remaining scholars. The conference was warmly received and highly acclaimed.

At the same time, there were two youth sessions at this conference, and 35 young scholars were invited to make reports. The young scholars interacted and exchanged ideas on the technical methods, theoretical innovations, and practical applications of the research. Among them, eight young scholars, namely Xinru Wang, Dingdian Yan, Jiasheng She, Qiangyan Wang, Zhipeng Li, Ruiyi Han, Bo Li, and Weihong Tang, won the Youth Outstanding Report Award.



Youth venue awards.

At the closing ceremony, Associate Professor Yuhang Guo made a speech to summarize the conference. Firstly, he expressed his heartfelt congratulations on the success of the 4th SPWLA-SW Annual Conference, thanked all the participating experts, young scholars, and corporate peers for their support, and expressed his anticipation for the next conference, affirming that the discussions in this conference were full of disciplinary diversity, and that these exchanges were enlightening for the development of the industry disciplines.



Speech by Associate Professor Yuhang Guo, School of Geophysical Exploration, Jilin University.

Focusing on the real problems, looking at the future development, aiming at the frontiers of disciplines, and promoting integration and innovation, the 4th SPWLA-SW Annual Conference came to a successful conclusion.



Group photo of participants.

In order to thank all the experts, scholars, and peers for their full support, to provide a relaxing and pleasant communication platform, to promote the exchange and cooperation of the academic community, and to make this academic event more colorful, the organizer held an academic dinner on the evening of the 13th, which was attended by more than 100 people. During the dinner, Mr. Feng, vice president of the College of Geo-exploration Science and Technology of Jilin University, was invited to make an opening speech, in which he expressed his thanks to all the experts and peers, as well as his blessings and expectations for this academic conference. The atmosphere of the dinner was warm; all the scholars communicated with each other cordially, and Prof. Nie Xin from Yangtze University even sang a song to push the atmosphere of the dinner to the climax. The dinner added a bright luster to the conference.

UIS STUDENT CHAPTER



Board of Directors**President:** Karen Julieth Rojas O.

Email: presidencia@spwlauiis.com

Vice President: Julian David Anaya F.

Email: vicepresidencia.spwlauiis@gmail.com

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Email: fiscal.spwlauiis@gmail.com

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Email: secretaria.spwlauiis@gmail.com

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Email: contador.spwlauiis@gmail.com

Recent Events

6–9 May 2024—Petrophysics Week: The first large-scale event for SPWLA UIS was held and featured presentations, workshops on preparation for working life, a course, integration activities with companies such as ANS Group, Innergy SAS, CCMaster Education, and UIS student chapters such as SPWLA UIS, SPE, ACIPET and research groups of the School of Petroleum Engineering UIS. The lectures were mainly related to petrophysics and also to energy transition, topics such as formation evaluation, rock physics, white hydrogen, CCUS, geothermal energy, energy transition, and machine learning applied to geothermal energy. Training sessions were also held for the participants on new emerging technologies in the technology and oil industry, and a workshop was oriented to the formation of skills and resources for the labor market. The event was sponsored by companies such as Halliburton, Ans Group, Ikon Science, and Innergy SAS. We had the opportunity to have a course given by Halliburton and geologist Claudia Hincapie on petrophysics and formation evaluation with DecisionSpace® **Petrophysics® software**. The event closed with a performance by the artistic group Tuna UIS. We hope to be able to hold the second version of this event next year and have more companies and students participate.



Group photo of companies, UIS School of Petroleum Engineering, Student Chapter members, and the Tuna UIS.



Company displays and SPWLA UIS.



Machine learning and geosciences.



Talk on energy transition in the oil industry.



SPWLA UIS on the second day of the event.

The agenda of the event was as follows:

Monday:

Agenda

Programación: Lunes - 6 de mayo
Temáticas: Petrofísica y transición energética
Lugar: Aula Máxima de Ciencias

8:00 a.m. 9:00 a.m.	Registro
9:00 a.m. 10:00 a.m.	Conferencia 1: Ingeniero Aristobulo Bejarano Temas: Petrofísica y evaluación de formaciones
10:00 a.m. 11:00 a.m.	Conferencia 2: Geocientífica Verónica Pérez, Ikon Science Título: Petrofísica y física de rocas
11:30 a.m. 12:30 a.m.	Conferencia 3: Ingeniero Cesar Patiño, Ecopetrol Título: Hidrogeno entre líneas
1:00 p.m. 6:00 p.m.	Curso: Claudia Hincapié - Halliburton Decision Space petrophysics piso 3, salón 304-5, Edificio JBV

Tuesday:

Agenda

Programación: Martes - 7 de mayo
Temáticas: CO₂, Hidrógeno y geotermia
Lugar: Aula Máxima de Ciencias

8:00 a.m. 9:00 a.m.	Registro
9:00 a.m. 10:00 a.m.	Conferencia 4: Ingeniero Daniel Díaz Título: "Ciclo del CO ₂ : Energía limpia"
10:00 a.m. 11:00 a.m.	Conferencia 5: Ingeniera Ángela Tarazona, EIP Título: "Study of the production systems of the Hot Dry Rock for the Development of geothermal energy"
11:30 a.m. 12:30 p.m.	Conferencia 6, Doctora Zuly Calderón, EIP Título: "Consideraciones generales entorno a los desafíos de los nuevos ingenieros del suelo desde la perspectiva de la transición energética"
3:00 p.m. 6:00 p.m.	Curso, Claudia Hincapié, Halliburton Decision space petrophysics piso 3, salón 304-5, Edificio JBV

Wednesday:

Agenda

Programación: Miércoles - 8 de mayo
Temáticas: Nuevas tecnologías, software y análisis de datos
Lugar: Auditorio La Cira Infantas

8:00 a.m. 9:00 a.m.	Registro
9:00 a.m. 10:00 p.m.	Conferencia 7: Ingeniero José González, Innergy Título: "Identificación de movimiento de fluidos en la formación y detrás de tubería mediante el uso de energía térmica y acústica de registros de producción"
10:00 a.m. 11:00 a.m.	Conferencia 8: Geólogo Juan Camilo Mejía, CCMaster Título: "Predicting the geothermal gradient in Colombia: a Machine learning approach"
11:30 a.m. 12:30 p.m.	Conferencia 9: Ingeniero José González, Innergy Título: "Determinación de un indicador de zona de flujo en yacimientos convencionales y no convencionales utilizando registros de resistividad"
2:00 p.m. 3:00 p.m.	Conferencia 10: MSc. Sergio Lira & MSE José Ubillus, Ingeniería 4G Título: "Nuevas tecnologías en la ingeniería y su contribución a las oportunidades laborales del futuro."
3:00 p.m. 6:00 p.m.	Charla Práctica, Stephanny Linares, AnsGroup Título: "Perdiendo el miedo a salir al mercado laboral"

Thursday:

Agenda

Programación: Jueves - 9 de mayo
Lugar: Sótano Edificio Jorge Bautista Vesga

8:00 a.m. 9:00 a.m.	Registro Sótano, Edificio JBV, UIS
9:00 a.m. 12:30 p.m.	Stands de empresas y grupos de investigación Sótano, Edificio JBV, UIS
02:00 p.m. 03:00 p.m.	Stands de empresas y grupos de investigación Sótano, Edificio JBV, UIS
03:00 p.m. 04:00 a.m.	Presentación grupo artístico, TUNA UIS Sótano, Edificio JBV, UIS

The talks given at the event were:



CONFERENCIA 1:
Petrofísica y evaluación de formaciones

ARISTOBULO BEJARANO

Ingeniero de Petróleos, Magister en Gestión Tecnológica aplicada a la industria del petróleo, Magister en Ciencias Económicas, Especialista en Filosofía Política Contemporánea y Estudios en Desarrollo Gerencial Alta Dirección. Experiencia de 42 años en aplicaciones de Ingeniería de Yacimientos, Petrofísica Avanzada, Caracterización de Yacimientos, Gestión Integrada de Yacimientos, Evaluación de Formaciones.



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CONFERENCIA 2:
Petrofísica y física de rocas.

VERÓNICA PÉREZ

Ingeniera Geofísica con maestría en Ciencias de la tierra aplicadas al petróleo. Cuenta con 15 años de experiencia en el área del petróleo y gas. Actualmente trabaja para Ikon Science como Senior Customer Success Geoscientist en Latinoamérica.



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CONFERENCIA 3:
Hidrogeno entre líneas

CESAR PATIÑO

Ingeniero de petróleo y especialista en tecnología, ha dejado una huella significativa en la industria petrolera. Su trayectoria incluye roles clave en Ecopetrol S.A, donde ha liderado innovaciones en áreas como Petrofísica, Crudos Pesados, Offshore, Reservas y Recobro Mejorado.



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CURSO:
Decision Space petrophysics

CLAUDIA HINCAPIÉ

Geóloga con experiencia en análisis y control de calidad de registros de pozo, con amplia experiencia en evaluación de formaciones y modelamiento petrofísico. Especialización en ingeniería de yacimientos y Maestría en Petrofísica en curso. Actualmente Senior Consultant en Halliburton Landmark.



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CONFERENCIA 4:
Ciclo del CO2: Energía limpia

DANIEL DÍAZ

Ingeniero y Magister en Ingeniería petrolera conocido por su contribución con la industria como mentor y líder en la SPE. Alta experiencia en ingeniería de yacimientos, trabajó con GeoPark Colombia como ingeniero senior destacándose en la garantía de calidad de los datos y en la aplicación de inteligencia artificial.



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CONFERENCIA 5:
Study of the production systems of the Hot Dry Rock for the Development of geothermal energy

ÁNGELA TARAZONA

Ingeniera de petróleo y estudiante de maestría en ingeniería de Hidrocarburos en la UIS. Ha realizado ponencias a nivel nacional e internacional. Obtuvo un reconocimiento como mejor artículo técnico en el evento de Energías No Renovables e Hidrocarburos. Autora del trabajo presentado en el World Geothermal Congress en china 2023 el evento más importante en este campo nivel mundial.



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ZULY CALDERÓN

CONFERENCIA 6:
Consideraciones generales entorno a los desafíos de los nuevos ingenieros del suelo desde la perspectiva de la transición energética

Ingeniera de petróleos, Magister en ingeniería de Yacimientos, Doctora en Ingeniería Química. Cofundadora y directora del grupo de investigación Estabilidad de pozos. Ha participado en la publicación de más de 50 artículos técnicos publicados en eventos y revistas de prestigio nacional e internacional. Obtuvo reconocimiento a la ingeniera de petróleos más destacada del país.



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JOSÉ W. GONZÁLEZ

CONFERENCIA 9:
Determinación de un indicador de zona de flujo en yacimientos convencionales y no convencionales utilizando registros de resistividad.

Ingeniero de petróleos especializado en Petrofísica y Estudios Integrados de yacimientos con 17 años de experiencia en la industria petrolera. Magister Scientiarum en Geología Petrolera. Autor de 10 trabajos técnicos y participante en 5 congresos internacionales como ponente. Participante y ponente de 2 papers en el XIX y XX Congreso Colombiano de Petróleo, Gas y Energía.



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JOSÉ W. GONZÁLEZ

CONFERENCIA 7:
Identificación de movimiento de fluidos en la formación y detrás de tubería mediante el uso de energía térmica y acústica de registros de producción.

Ingeniero de petróleos especializado en Petrofísica y Estudios Integrados de yacimientos con 17 años de experiencia en la industria petrolera. Magister Scientiarum en Geología Petrolera. Autor de 10 trabajos técnicos y participante en 5 congresos internacionales como ponente. Participante y ponente de 2 papers en el XIX y XX Congreso Colombiano de Petróleo, Gas y Energía.



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SERGIO LIRA

CONFERENCIA 10:
Nuevas tecnologías en la ingeniería y su contribución a las oportunidades laborales del futuro.

Magister de Ingeniería 4G, Especialista en Empleos del Futuro, en Técnicas Avanzadas de Neurociencias y es el Director Ejecutivo del proyecto de Ecosistema de Aprendizaje Inteligente que está desarrollando Ingeniería 4G en las áreas de Ciencias de la Tierra y Neurociencias del Aprendizaje. Es docente universitario por más de 15 años, en Ecuador ha trabajado en la Escuela Politécnica Nacional y actualmente en la Universidad Central del Ecuador.



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JUAN CAMILO MEJÍA

CONFERENCIA 8:
Predicting the geothermal gradient in Colombia: a Machine learning approach.

Geólogo y candidato a Magister en Geofísica de la Universidad Industrial de Santander, especialista en geología minera de la Universidad de Buenos Aires. Experiencia en análisis de datos, mapeo cartográfico, modelamiento, adquisición geofísica y SIG. Experiencia investigativa en geofísica superficial, machine learning, CCUS y geotermia.



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JOSÉ UBILLUS

CONFERENCIA 10:
Nuevas tecnologías en la ingeniería y su contribución a las oportunidades laborales del futuro.

Ingeniero petrolero y científico de datos autodidacta que puede desarrollar soluciones para la industria del petróleo y el gas. Investigador apasionado con profundo conocimiento en perforación y terminaciones. Líder decisivo con excelentes habilidades organizativas y un enfoque global.



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CHARLA PRÁCTICA:
Perdiendo el miedo a salir al mercado laboral.

STEPHANNY LINARES

Psicóloga organizacional, estudiante de Magister en Gestión del Talento Humano; con más de 7 años de experiencia en atracción del talento (reclutamiento y selección), empleabilidad, formación y desarrollo, para diferentes sectores tales como salud, educativo, BPO, entretenimiento, servicios, seguridad, comercial, consumo masivo y Oil & Gas.

SCAN ME

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Student Oil Newspaper

The SPWLA UIS Student Chapter created a petroleum newspaper, which was titled *Well Control Newspaper*. It is the first student newspaper of the petroleum engineering school, and its first issue had 10 pages of information such as:

- A report of recent news that affects the oil and gas industry
- Factors that affect the price of crude oil
- Geopolitical conflicts that have an impact on the industry
- Explanation of an accident that occurred in the industry
- Explanation of different job positions held in the O&G industry, what functions they must perform, etc.
- Definition of important terms
- Vacancies section for student internships, among others

The main objective of the newspaper is to be able to expose students of all majors at the Industrial University of Santander to what the oil industry really is so that they can be correctly informed and change the bad image they have of the industry.

Below is an image of the first version of the newspaper that was published on April 30, 2024, and a link so you can access it: <https://drive.google.com/file/d/1KdcGQZUFyd7QXTej6p-SKNyJDCKRLS9v/view>

Society of Petrophysicists and Well Log Analysts

WELL CONTROL NEWSPAPER

April, 2024

GUERRA DE OIL AND GAS

GUERRA SANGRIENTA: EL CONFLICTO EXPLOSIVO EN ORIENTE MEDIO AMENAZA LOS PRECIOS DEL PETRÓLEO

El conflicto entre Israel y Palestina, enraizado en disputas territoriales y religiosas, ha provocado un sufrimiento humano inmenso desde 1917. Los recientes ataques de Hamas en 2023 han exacerbado la situación, resultando en una devastación sin precedentes. La relevancia religiosa de la región ha agudizado las tensiones, complicando la búsqueda de una solución pacífica. La radicalización política y social, alimentada por el fundamentalismo religioso, ha contribuido a la escalada del conflicto, causando un aumento en el número de víctimas y generando temores sobre la estabilidad global y los precios del petróleo. Aunque Israel y Palestina no son importantes productores de hidrocarburos, la inestabilidad en la región plantea preocupaciones significativas sobre el suministro mundial de petróleo.

Guerra desencadenada de Israel y de Palestina iniciado (Bloomberg, 2023)

HISTORIA

Las acciones aprendidas del accidente petrolero más grande de la historia (Oil, CHANGEL, 2020)

El 20 de abril de 2010, la plataforma petrolífera Deepwater Horizon en el golfo de México sufrió una explosión catastrófica, dejando 11 muertos y desencadenando el peor derrame de petróleo en la historia.

MITOS DE LA INDUSTRIA

Mitos & realidades de los Hidrocarburos (El barato, 2022)

Los volúmenes obtenidos de agua en cada pozo pueden determinar la viabilidad técnica, económica e incluso ambiental de su puesta en producción.

¿QUIERES OBTENER DIFERENTES BENEFICIOS COMO DESCUENTOS EN SALIDAS DE CAMPO O EN NUESTRAS DIVERSAS CONFERENCIAS? ¡CONTÁCTANOS PARA OBTENER NUESTRA MEMBRESÍA Y CONSEGUIR DIVERSOS BENEFICIOS! CONTACTO DIRECTOR@MEMBRASIAS.SPWLAIUIS@GMAIL.COM

SPWLA UIS STUDENT CHAPTER

SPWLA UIS Official Page

We decided to create an official page for SPWLA UIS in order to have all the information about our chapter in an orderly manner. The page has information such as who we are, what we do, and what our objectives are. Here, we publish our editions of the *Well Control Newspaper* and its sections. We have a section to explain the cost of memberships, what benefits include acquiring them, and how to acquire them. Finally, a section of our events, where we publish information about an event that we have held or that we will hold in the future, we upload the recordings of the conferences that we have held these years and the podcasts that we have recorded. In this section, you can find the information about the event “SPWLA UIS 2024 Petrophysics Week.” Below is an image of the SPWLA UIS page and the link. You can visit it at <https://sites.google.com/view/spwlauiis/inicio>.



Member of the SPWLA UIS Student Chapter Wins First Place in the International Student Paper Contest

Anngy Daniela Roman Ortega was the President of the SPWLA UIS Chapter in the period 2022–2023 and is currently the Secretary of the chapter during the period 2023–2024. Anngy Roman and Stefanny Peñaranda (current prosecutor of SPWLA UIS) participated in the National Student Paper Contest at the UIS, where they placed second in this contest. Later, she, along with Daniela Mejía, were selected to participate in the International Student Paper Contest in Brazil, in which Anngy took first place internationally. This achievement made us proud as a student chapter since one of our members represented our chapter, competed, and won internationally. The School of Petroleum Engineering and the Industrial University of Santander were also proud of this achievement and published it on the official pages where the entire UIS university community can find out about it. These publications helped different people know about SPWLA UIS, SPWLA, and its annual event, which helps generate a good image of the student chapter, and more people are interested in participating in the Student Paper Contest and want to be part of SPWLA UIS. Images of the publications are below, and links to where you can visit them.

<https://comunicaciones.uis.edu.co/orgullo-uis-estudiantes-de-ingenieria-de-petroleos-ganaron-la-edicion-2024-del-simposio-anual-de-spwla/>

<http://petroleos.uis.edu.co/eisi/eisi.jsp?IdServicio=S655>



¡Orgullo UIS! Estudiantes de Ingeniería de Petróleos ganaron la edición 2024 del Simposio Anual de SPWLA



En representación de la Universidad Industrial de Santander, el capítulo estudiantil SPWLA UIS se enorgullece en anunciar que las estudiantes Anngy Roman y Stefanny Peñaranda han obtenido el primer lugar en el concurso estudiantil de la Sociedad de Petrofísicos.



ESTUDIANTE DE LA ESCUELA DE INGENIERÍA DE PETRÓLEOS GANÓ EL PRIMER PUESTO EN EL SPWLA SYMPOSIUM 2024

Por: Alex Razo Comunicaciones Pregrado EP - 30 de Mayo de 2024

Anngy Daniela Roman Ortega, estudiante de noveno semestre de Ingeniería de Petróleos, adscrita a la Facultad de Ingeniería de Petrofísica de la Universidad Industrial de Santander, presentó y ganó con el proyecto "EVALUATION OF PETROPHYSICAL AND GEOMECHANICAL PROPERTIES OF THE ILLINOIS BASIN DECATUR PROJECT RESERVOIR FOR SAFE CO2 STORAGE" en el evento más importante a nivel mundial de Petrofísica llamado este año "The 85th Annual SPWLA Symposium 2024" de SPWLA "Society of Petrophysicists and Well Log Analysts". Realizado en Rio de Janeiro, Brasil.



SPWLA UIS/ Social Networks

LinkedIn:

<https://www.linkedin.com/company/spwla-uis-student-chapter/>

Instagram:

<https://www.instagram.com/spwlauis/?hl=es-la>

YouTube:

<https://www.youtube.com/c/SPWLAUIS>

Facebook:

<https://es-la.facebook.com/SPWLAUIS/>

THE UNIVERSITY OF TEXAS AT AUSTIN STUDENT CHAPTER

General News

The UT-Austin Student Chapter held multiple events throughout May and June, some of which were held in the United States and others in Rio de Janeiro, Brazil, during the SPWLA conference.

Recent Events

Final Lecture of the Distinguished Speakers Series, UT SPWLA

6 May 2024—The final seminar was presented by Dr. Olabode Ijasan (UT-Austin alumni and petrophysics advisor at ExxonMobil). His talk was “Learning From Impact and Implications of Signal-to-Noise in NMR T_1 - T_2 Logging of Unconventional Reservoirs.” The event was held in person on UT-Austin’s campus, and students had the chance to interact with Dr. Olabode after the session. This session was well attended, and positive feedback was received from the attendees.

Annual Progress Review and Future Planning Meeting

8 May 2024—A meeting was held to review the chapter’s achievements over the past year and analyze the challenges faced. We collected and considered the feedback from the chapter members and set up a plan to improve for the next year. Last, we thanked the board members for their efforts as they worked hard to make each event successful.

Active Participation during SPWLA 65th Annual Symposium

SPWLA had a strong presence in the symposium, where students presented their work and participated in multiple interesting presentations.

20 May 2024—Zulkuf Azizoglu, PhD candidate and member of the SPWLA UT Chapter, presented his paper titled “Influence of Salt Concentration and Type on Dielectric Permittivity of Rocks.” His presentation was well attended, and he received positive feedback.

21 May 2024—Dr. Tarek Mohamed, previous SPWLA UT Chapter president, presented his work on “Disparate Fluid Distributions of Stacked Gas-Washed Reservoirs Are Successfully History-Matched via Forward Modeling of Fluid Mixing Processes.” His talk was well attended, and he received positive feedback.

21 May 2024—Pallavi Sahu, graduate research assistant and member of the SPWLA UT Chapter, presented two papers, one on “Assessment of Petrophysical Heterogeneity Based on Image Data” and the second on “Assessing the Impact of Image Data on Enhancing Rock Classification and Formation Evaluation.” Her presentations were well attended, and she received positive feedback.

22 May 2024—Sabyasachi Dash, PhD candidate and SPWLA UT Chapter member, presented his paper on “New Experimental Method for Enhanced and Fast Saturation of Tight Rock Samples.” His presentation was well attended and received positive feedback.

Field Trip in Rio de Janeiro, Brazil

22 May 2024—The Student Chapter of SPWLA at UT-Austin organized a field trip, where they had coconut water on the Copacabana beach, followed by a trip to visit Christ the Redeemer and have lunch at the Italian restaurant “La Trattoria.”

New Board Election

30 May 2024—A new board was elected for the student chapter of SPWLA UT-Austin. The new members are Dalma Cerro (President), Mariella Khoury (Vice President), Cristian Dominiguez (Treasurer), Alejandro Lopez (Secretary), Jamil El Masry (Public Relations Coordinator), Feiyue Xia (Design Coordinator), Mohamed Abdo (Technology Support Specialist), Julio Villarroel (Social Media Coordinator), and Pallavi Sahu, Abraham Montes, Oriyomi Raheem, and Gabriel Gallardo (Volunteers).

Collaboration with Dr. Martin Luling for LulingTech

1 June 2024—We launched a collaboration between the SPWLA UT-Austin chapter and Dr. Martin Luling. We are excited to have an exclusive first look at LulingTech, a platform where Dr. Luling and other scientists share educational videos. This collaboration is designed to enhance learning and professional growth among members.

Upcoming Events

- Introducing the Student Chapter of SPWLA UT-Austin to the new students during orientation week
- SPWLA social event to connect with members



The attendees engaged with Dr. Olabode during his presentation.



The board members during the Annual Progress Review and Future Planning Meeting.



SPWLA UT-Austin members during the field trip in Rio de Janeiro.



Zulkuf Azizoglu during the SPWLA 65th Annual Symposium.



Pallavi Sahu during the SPWLA 65th Annual Symposium.



Tarek Mohamed during the SPWLA 65th Annual Symposium.

SPWLA-UT BOARD 2024-2025

 Carlos Torres-Verdin Faculty Advisor Associated Professor at UT-Austin. Hobby: Income.	 Zoya Heidari Faculty Advisor Assistant Professor at UT-Austin. Hobby: Hiking and enjoying pastries.
 Dalma Cerro Arrieta President Graduate research assistant working with electromagnetic measurements, focused on NMR. Hobby: Hiking, passionate about literature, and mental arts.	 Mariella El Khoury Vice-President Graduate research assistant working with electrical measurements to improve water saturation estimation. Hobby: I enjoy painting and cooking.
 Cristian Dominguez Treasurer Graduate research assistant working towards their PhD in geothermal energy. Hobby: Study finance.	 Alejandro Lopez Secretary Graduate research assistant specializing in advancing formation evaluation techniques for the new energy era. Hobby: Cooking, running, and playing tennis or pickleball.
 Feiyun Xia Design Coordinator Graduate research assistant passionate about developing well logging solutions in oil/gas industry. Hobby: Runner and basketball player, and I relish hiking expeditions.	 Julio Villarreal Social Media Account Manager Graduate Research Assistant working towards his PhD in Lithium Reservoir Engineering. Hobby: I play Rugby at UT Austin Men's Rugby Club.
 Jamiel El Masry Public Relations Graduate research assistant involved in EOR, thermal energy storage and CCUS. Hobby: Cooking, working out, and maintaining a healthy lifestyle.	 Mohamed Abbas Technology Support Specialist Graduate research assistant involved in mud-filtrate invasion in laminar-like formations. Hobby: Cooking.
 Pallavi Sahu Volunteer Graduate research assistant working with multi-scale image data for enhanced formation evaluations. Hobby: I enjoy cooking and playing Ping-Pong.	 Oriyomi Raheem Volunteer Graduate research assistant working on PhD petroleum engineering with research in machine learning applications to estimate petrophysical properties. Hobby: movies and playing tennis.
 Abraham Montes Volunteer Research Fellow involved in Drilling Automation. Hobby: Reading, going to the movies, and playing table tennis.	 Gabriel Gallardo Volunteer Graduate research assistant involved on hydraulic fracturing modeling/multiflow fluid transport characterization using fiber optics at laboratory scale. Hobby: Reading, Writing, Playing with Atlantes.

Board 2024–2025.

Welcome New Members – April 18, 2024 – June 12, 2024

Abbas, Yazil, SLB, Dhahran, Eastern Province, Saudi Arabia
Albuquerque, Ana, Petrobras, Rio de Janeiro, Brazil
Albuquerque, Marcelo, Petrobras, Rio de Janeiro, Brazil
Allam, Ahmed, SLB, Khobar, Saudi Arabia
Azambuja, Rodrigo, UFRJ, Rio de Janeiro, Brazil
Bazzarella, Camilla, Petrobras, Rio de Janeiro, Brazil
Belem, Rodolfo, Petrobras, Rio de Janeiro, Brazil
Bettari, Sreesailam, Oil and Natural Gas Corporation Limited, Ahmedabad, India
Bittencourt, Bruno, Petrobras, Rio de Janeiro, Brazil
Carvalho, Dayvison, Petrobras, Vila Velha, Espírito Santo, Brazil
Chagas, Victor, Universidade Federal Do Rio de Janeiro, São Gonçalo, Rio de Janeiro, Brazil
Chen, Wenxuan, Iggcas, Beijing, Chaoyang, China
Cornelio, Janio, SLB, Abu Dhabi, United Arab Emirates
Davila Medina, Karla, University of Texas Permian Basin, Midland, TX, United States
De Andrade, Flávia, Petrobras, Rio de Janeiro, Brazil
De La Cruz Perez, Fabian, Halliburton, Ciudad Del Carmen, Campeche, Mexico
Decoster, Eric, NoHiddenPay LLC, Armação Dos Buzios, Rio de Janeiro, Brazil
Decoster, Thomas, NoHiddenPay LLC, Armação Dos Buzios, Rio de Janeiro, Brazil
Do Nascimento, Moacyr, Petrobras, Rio de Janeiro, Brazil
Drexler, Santiago, Shell, Rio de Janeiro, Brazil
Duan, Wei, China University of Petroleum (Beijing), Beijing, Changping, China
Duan, Guanghui, Chengdu University of Technology, Chengdu, China
Egenkika, Obinna, Baker Hughes, Broussard, LA, United States
Fioriti, Lenita, USP, Rio de Janeiro, Acre, Brazil
Flores, Vitória, UERJ, Rio de Janeiro, Brazil
Foo, Gordon, Parex Resources Inc., Calgary, AB, Canada
Fredericks, Marie, Battelle, Fulshear, TX, United States
Gomes, Francieleide, Petrobras, Niterói, RJ, Brazil
Guo, Haimin, Yangtze University, Wuhan, China
Imorgiemeh, Pius Akagbosu, Baker Hughes, Port Harcourt, Nigeria
Iuras, Sviatoslav, National Academy of Sciences of Ukraine, Kyiv, Ukraine
Jeanneau, Philippe, Sodern, Limeil-Brevannes, Ile de France, France
Jeremie, Ruth, University of Edinburgh, Edinburgh, United Kingdom
Jimba, Oluwafemi, Equinor, Houston, TX, United States
Jun, Cai, CNOOC, Shanghai, Changning, China
Junting, Fan, China University of Petroleum, Qingdao, China
Klemin, Denis, SLB, Houston, TX, United States
Kuncoro, Andreas, Geolog, DKI Jakarta, Indonesia
Leonard, Kevin, Tumbleweed Exploration, LLC, Midland, TX, United States
Li, Siyi, China National Logging Corporation, Xi'an, China
Li, Yubing, Hangzhou Ruili Acoustic and Electronic Tech, Hangzhou, China
Li, Xinghan, Institute of Geology and Geophysics, Beijing, Chaoyang, China
Liang, Pengfei, Institute of Geology and Geophysics, Beijing, China
Liu, Ranming, Iggcas, Beijing, China
Lopes, Francisco Vitor, Federal University of Ceará, Cascavel, Northeast, Brazil
Lourenço, Josias, Seacrest Petroleo, Rio de Janeiro, Brazil
Lugo, Cesar, GEOLOG Brasil Servicos Petrolíferos LTDA, Rio de Janeiro, Brazil
Mandal, Partha Pratim, IIT(ISM) Dhanbad, Dhanbad, India
Matias, Pedro, UFRJ, Rio de Janeiro, Brazil
Matos, Thais, Petrobras, Rio de Janeiro, Brazil
Melo, Klayton, Petrobras, Rio de Janeiro, Brazil
Miguel Rojas, Luis, EVENA, Rio de Janeiro, Brazil
Mitan, Kamil, Shell, Krakow, Poland
Moreira, Marcio Ivan, Petrobras, Rio de Janeiro, Brazil
Moreira, Jessica De, UENF, Macaé, Rio de Janeiro, Brazil
Morschbacher, Marcio, Petrobras, Rio de Janeiro, Brazil
Moyano Paz, Raul, Geolog International BV, Amsterdam, Amsterdam, Netherlands
Nascimento, Antonio, Petrobras, Rio de Janeiro, Brazil
Nunes, Gisella, UFRJ, São Gonçalo, Rio de Janeiro, Brazil
Oliveira, Jorge Luis, Petrobras, Rio de Janeiro, Brazil
Oliveira, Eduardo, Petrobras, Sao Paulo, Brazil
Pereiro Santos, Caio, Petrobras, Rio de Janeiro, Brazil
Perez-Vieira, Gabriel, Petrobras, São Paulo, Brazil
Pitchford, Waymon, Multi Stage, Inc, Midland, TX, United States
Pollett, Buford, The University of Tulsa, Tulsa, OK, United States
Rios, Neida Ilana, Universidade Estadual Do Norte Fluminense, Rio de Janeiro, Brazil
Roberto, Silas, Petrobras, Rio de Janeiro, Brazil
Rodriguez, Antonio, CESIC, Coatzacoalcos, Veracruz, Mexico
Roy, Subhajit, Cairn Oil&Gas, Gurgaon, India, India
Sanchez, Pablo, SLB, Rio de Janeiro, Brazil, Brazil
Santana, Michelle, Halliburton, Macaé, Gloria, Brazil
Santos, Jeferson, UFRJ / Lagesed, Rio de Janeiro, Brazil
Sarmento, Artur, UERJ, Rio de Janeiro, Brazil
Shekhar, Shreya, Baker Hughes, Navi Mumbai, Maharashtra, India
Skinner, Rodrigo, Petrobras, Rio de Janeiro, Brazil

Welcome New Members – April 18, 2024 – June 12, 2024

Sousa, Douglas, GEOLOG Brasil Servicos Petrolíferos LTDA,
Rio de Janeiro, Brazil

Souza, Ana Clara, Federal University of Ceará, Caucaia,
Northeast, Brazil

Sun, Hao, CNPC, Xi'An, Gaoling, China

Torres, Bayron, University of Oklahoma, Norman, OK, United
States

Tuan, Nguyen, Japan Vietnam Petroleum Company, Vung
Tau, Vietnam

Viana, Kassia Kelly, Federal University of Ceará, Caucaia,
Northeast, Brazil

Wang, ShiYue, CNOOC, Haiko, Xiuying, China

Wenang, Martine, SLB, Stavanger, Rogaland, Norway

Wu, Xiang, Halliburton, Spring, TX, United States

Yu, Yiming, China University of Petroleum (East China),
Qingdao, China

Zamora, Patricio, SLB, Quito, Ecuador

Zhang, Xiaoyang, China University of Petroleum (East China),
Qing Dao, Shan Dong, China

Zhong, Luyu, China University of Petroleum (East China),
Qingdao, China

