

# spwla today

NEWSLETTER



# *Petrophysics Journal*

# PAPERS

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- SPWLA CONFERENCE PROCEEDINGS ARE ELIGIBLE FOR SUBMISSION
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CALENDAR OF EVENTS

**November 4, 2025**

*ASET SIG Workshop*  
Topic: Geomechanics in the Energy Transition  
Webinar – online  
www.spwla.org

**November 12, 2025**

*Resistivity SIG Meeting*  
Houston, Texas, USA  
www.spwla.org

**November 17–19, 2025**

*International Geomechanics Conference*  
Al Khobar, Saudi Arabia  
https://www.igsevent.org

**November 18–20, 2025**

*EAGE/FESM Conference Petrophysics Meets Geoscience:  
"Unlocking Reservoir Potential in a Dynamic Energy Landscape"*  
Kuala Lumpur, Malaysia  
www.spwla.org

**December 4, 2025**

*Formation Testing SIG 2025 Conference*  
Houston, Texas, USA  
www.spwla.org

**December 5, 2025**

*Houston Chapter's Technology Show*  
Houston, Texas, USA  
https://spwla-houston.org

**December 11, 2025**

*LPS One-Day Seminar*  
Topic: Everything Borehole Imaging  
Geological Society,  
London, United Kingdom  
www.lps.org.uk/lps-events

**March 23–25, 2026**

*SPWLA Topical Conference*  
Ultra Deep Azimuthal Resistivity (UDAR)  
Geological Society,  
London, United Kingdom  
www.spwla.org

**May 16–20, 2026**

*SPWLA 67th Annual Logging Symposium*  
Margaritaville Resort  
Lake Conroe, Texas, USA  
www.spwla.org

About the Cover

*Petrophysics* journal is the SPWLA's flagship peer-reviewed publication. To learn more about the journal and how to submit your manuscript, go to: <http://bit.ly/3WaBRt5>.

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.

# WE'RE BRINGING IT BACK!

# SAVE THE DATE!

SPWLA Houston Chapter is thrilled to announce the return of our most engaging event of the year —

## TECHNOLOGY SHOW

happening this December!



Date:

Friday, December 5, 2025



Location:

Halliburton Main Campus

3000 N. Sam Houston Parkway E.

Houston, TX 77032

Stay tuned for details on exhibition- and sponsorship opportunities, registration, and the exciting program lineup.

# Everything Borehole Imaging

Thursday 11<sup>th</sup> December 2025

The Geological Society, Burlington House, London

## Call for Abstracts

**Submission Deadline: Thursday 13<sup>th</sup> November 2025**

On Thursday 11<sup>th</sup> December the London Petrophysical Society will be holding a seminar themed on “Everything Borehole Imaging”.

It will consist of a series of talks presented in person at the Geological Society, each lasting around 30 minutes with some time for audience questions.

*Abstracts could include topics relating to:*

- *Petrophysical and Fracture analysis using Borehole Images*
- *Geomechanical analysis from the combination of image features, rock mechanics and borehole stresses*
- *General Borehole Image tool theory*
- *Looking beyond the wellbore: structural and stratigraphic interpretation*
- *Integrated facies analysis from borehole image logs and open-hole data*
- *Application of machine learning and multi-physics approaches to Borehole Imaging data.*
- *Role of Borehole Imaging in CCS and geothermal technologies or workflows*
- *Novel applications and new technical developments in Borehole Imaging*

This is a **Call for Abstracts** for presentations from Energy Companies, Service Companies, Independent Consultants, Academia and other interested parties.

Abstracts should be one page of A4 including an illustration and speaker bio, submitted in Word Document format.

Please send your abstracts to Martin Leonard, Email: [martin@petromac.co.nz](mailto:martin@petromac.co.nz), or any member of the LPS Committee, by Thursday 13<sup>th</sup> November 2025.

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*£150 for delegates (Speakers exempt)  
(LPS is not VAT registered)*

*Students can register for free*

*Includes lunch and post-seminar wine and savouries*

*Doors open at 9am*

*For more info about this event please visit [www.lps.org.uk/events/](http://www.lps.org.uk/events/)*



S. Mark Ma  
2024–2026  
Vice President Publications

Dear SPWLA community,

Recently, I had the opportunity to participate in a workshop on IBM WatsonX, where I learned about the exciting possibilities of process automation using AI agents with no-coding or low-coding requirements. As a senior petrophysicist with decades of work experience, I was surprised by the rapid progress being made in this area, as coding is one of the challenges that many of us, especially senior professionals, face. Now, with low-coding/no-coding, it would help significantly speed up the process of the automation movement, which has been rapidly emerging in recent years.

In my previous *JPT* Technology Focus: Formation Evaluation column, “What Effects Will Industrial Revolution 4.0 Have on the Upstream Oil and Gas Business in General and Petrophysics in Particular?” (Ma, 2018), I discussed how automation and artificial intelligence could shape our industry. It was noted that we should expect more intelligence and automation in measurements, processes, workflows, and operations, which would lead to more consistent results, higher-quality deliverables, and reduced nonproductive time. A few years later, and as we wrap up 2025, I would like to re-emphasize the importance of embracing change and adapting to the rapidly evolving technological landscape. The development of no-code AI platforms and the increasing automation

of data analysis and interpretation require professionals to rethink their workflows and develop new skills. I encourage all members of the SPWLA community to stay curious, be open to new ideas, and prioritize ongoing learning and professional development. By doing so, we can ensure that our community remains at the forefront of innovation and continues to drive progress in product quality and value in the field of petrophysics.

Happy Learning!

Best wishes,  
S. Mark Ma  
VP Publications

### Reference

Ma, S., 2018. Technology Focus: Formation Evaluation (August 2018), Paper SPE-0818-0050-JPT, *Journal of Petroleum Technology*, **70**(8), 50. DOI: 10.2118/0818-0050-JPT.

## From the President



**Robert H. (Bob) Gales**  
2025–2026 President

We are at the halfway point. When you read this, we are 6 months from the last symposium and 6 months to the 67th Annual Symposium, May 16–20, 2026, at Margaritaville Lake Resort at Conroe, Texas. I'm sure Robin and Artur will provide an update on the details. I was excited to see that we received more than 300 abstracts for the Conroe Symposium again this year.

I want to give a special thanks to the Japan Formation Evaluation Society for a great Geomodeling Workshop and Symposium. It was an honor to say a few words and meet many of the members. I look forward to attending other regional events to meet global members and introduce SPWLA and stress the many benefits from the peer-reviewed *Petrophysics* journal, free webinars, Global and Regional Distinguished Speakers, student paper competition and scholarship awards, and discounts on events.

There is a great list of Global Distinguished Speaker Webinars scheduled. There is also a list of Regional Distinguished Speakers. These groups cover a broad range of topics and are available to present at local and student chapters. Reach out for virtual or in-person presentations.

Speaking of membership, many of our local members are not members of SPWLA. We encourage this because of the broad range of member benefits. Membership cost is covered by attending one conference. We are evaluating options to make it easier to register, from additional payment options to translation into other languages. Other suggestions have been corporate membership. I would like your input. Please forward to [President@spwla.org](mailto:President@spwla.org).

We are excited about the increased knowledge sharing this year. Several SIGs are hosting hybrid conferences, quarterly webinars, and the first published Technical Conference. The UDAR Topical Conference is being hosted by the London Petrophysical Society from March 23–25, 2026, in London, UK. It has a great list of talks and workshops that cover theory through application. Thank you to the Organizing Committee and LPS. We look forward to hosting similar events with other chapters.

Watch SPWLA social media and your weekly SPWLA Activities email for other events. (Local and student chapters make sure to get your events to Sharon for inclusion ([sharon@spwla.org](mailto:sharon@spwla.org)) and updated member lists so they receive the emails.) A few examples of other exciting upcoming events (a great opportunity to share ideas between chapters):

- NMR SIG (October 23–24) – Reaching Full Polarization in an NMR Conference
- Denver Well Logging Society (October 23) – The Interpreters Guide to Depth Imaging
- HAHZ SIG Workshop (hybrid November 6)
- LPS (November 6) – New Technology and Advanced Gas Measurements
- Norwegian Formation Evaluation Society (November 12) – Full Day Formation Evaluation Workshop
- EAGE/Formation Society of Malaysia (November 18–20) – Petrophysics Meets Geoscience
- Borehole Image SIG and LPS (Dec 10) – Everything Borehole Imaging

As a “knowledge sharing” organization, we constantly look at ways to make opportunities available to our members across the full spectrum of geoscience data. In addition to historical affiliated sponsors of URTEC to provide member registration discounts, this year we added SEG/GEOMIN Symposium – Redefining Mineral Exploration, Potential, and Impact (October 11–14, Al Khobar), EAGE 1st Workshop on Surface Data Logging (November 12–14, Paris), and the International Geomechanics Symposium (November 18–20, Al Khobar). We co-sponsored Seismic Petrophysics with SEG in Al Khobar, November 2024. Because of that success, we will co-host again in 2026.

We invite you to add to the rich technical database by hosting online training sessions and webinars. We welcome your input to Matt Blyth, [VP-Education@spwla.org](mailto:VP-Education@spwla.org).

With the advent of a digital world and SPWLA transactions and publications on OnePetro, paper subscriptions have fallen significantly over the years. That and rising mail costs result in a modest loss each year for the paper copies. We are looking to follow many of our sister societies and go digital only for *Petrophysics*. This is another area we would welcome your feedback to Jing Li, [VP-Finance@spwla.org](mailto:VP-Finance@spwla.org).

The digital revolution, especially the use of LLMs to query databases for solutions, is impacting all areas of oil and gas. We've been asked by several clients to leverage our rich technical database with this in mind. This is a large undertaking that would benefit from corporate sponsorship. We would appreciate your feedback on interest in having access to this type of data, on a corporate or individual basis. Please respond to Chicheng Xu, [VP-Communications@splwa.org](mailto:VP-Communications@splwa.org), who is heading our digital initiative committee.

## From the President

In other news, the Nomination Committee is formed and is evaluating candidates for board positions. Criteria are active in SPWLA, board experience in a local chapter, and added criteria for some roles, i.e., previously published and edited papers for VP Publications.

The Awards Committee is soliciting nominations for the various awards presented at the annual symposium. This is an important opportunity to recognize our fellow petrophysicists for their contributions to SPWLA and the industry.

I mentioned the International Student Paper Competition and Awards above. In addition, the SPWLA Foundation awards multiple student scholarships and grants each year. We encourage local chapters to reach out to local universities and student chapters to participate.

Individuals or companies can contribute to the SPWLA for specific scholarships or support to keep member activities cost effective, or to the SPWLA Foundation to allow increased scholarships each year.

We have received interest for the 2027 68th Symposium and will be reviewing final bids in the near future. Hold your breath – we'll announce the new location on May 20 in Conroe.

This is your organization. SPWLA is a family of volunteers working together to sustain our local and student chapters, support our annual symposium, and publish the *Petrophysics* journal. Your organization is run by two dedicated employees – Sharon Johnson and Stephanie Turner, and supported by our dedicated editor, Elizabeth Naggar.

I look forward to visiting with you all May 16–20 at the 67th Annual Symposium in Conroe, TX.

Regards,  
Robert H. (Bob) Gales  
President



**Javier Miranda**  
2025–2026  
President-Elect

I'd like to begin this column by sharing that your international Board of Directors continues to work on several key initiatives, including preparations for our flagship event—the **2026 SPWLA Annual Conference**—which will be held at **Lake Conroe, Texas**. Beyond the excellent technical program that Robin and Artur, together with the Technology Committee, are developing, next year's conference promises to be an exciting and memorable experience for everyone, including soccer fans (or "football," as it's known everywhere else!).

The Margaritaville Lake Resort offers a fun, family friendly atmosphere with plenty of activities and a setting that perfectly blends work and leisure. Its proximity to the **Houston metropolitan area**—home to many of the world's leading energy operators, service companies, consulting firms, and universities—makes it an ideal location. Expanding that radius to nearby cities such as **Austin, San Antonio, and Dallas** adds even more potential for a true "Texas-sized" conference, with strong participation from members and a robust exhibition from industry partners.

At the same time, the venue's distance from major downtown areas means attendees can fully immerse themselves in the conference without the distractions of office calls or daily commutes—something not always possible with downtown Houston events. Hotel rates will be very competitive, so I encourage you to book your accommodations as soon as your attendance is confirmed. A special thanks to Veronica Montoya and her organizing committee for their outstanding efforts in preparing what promises to be an exceptional event.

As many of you know, SPWLA operates with a very limited full-time staff, which means that much of what we achieve as a society is made possible through the incredible dedication of our volunteers. These individuals devote dozens—or even hundreds—of hours of their personal time to help strengthen our community, advance our mission, and keep SPWLA thriving.

I want to take a moment to recognize and thank all of them. True volunteering does not come from having an abundance of free time; it comes from **passion, commitment, and heart**. Many of our volunteers balance demanding careers, family responsibilities, and personal commitments, yet they still choose to give their time and expertise for the benefit of others. Many continue contributing to SPWLA in different ways even after retiring from their careers and after serving on the international board as regional directors, vice presidents, or presidents.

**"Volunteers do not necessarily have the time; they just have the heart."**

~Elizabeth Andrew

Most of us serving on the current and past international boards began our journey as volunteers—whether in local professional or student chapters, various committees, or special interest groups (SIGs). Volunteering offers an incredible opportunity to give back, enhance technical and leadership skills, and collaborate with some of the brightest minds in petrophysics—all while making lasting friendships along the way.

Within SPWLA, you can contribute to **cutting-edge projects** and see the impact of your efforts immediately. Despite operating with only two full-time staff members, our society continues to meet its goals and deliver value globally—thanks to a talented network of volunteers around the world. If you'd like to be part of this inspiring community, I encourage you to explore our open volunteer opportunities and **JOIN US!**

<https://www.spwla.org/SPWLA/SPWLA/Volunteer/VolunteerOpportunities.aspx>

In my role as **President-Elect**, I have the privilege of serving as a bridge between our current leadership and the future direction of SPWLA. This position is both strategic and collaborative—focused on long-term planning, organizational continuity, and advancing SPWLA's mission to promote excellence in **petrophysics, formation evaluation, and well logging**. As a voting member of the Board of Directors, I work closely with our President, Bob, and the rest of the Board to support ongoing initiatives while preparing to assume the presidency in the next term.

One of my key objectives for the 2025–2026 cycle has been the development of a **chapter performance matrix** to guide the Awards Committee in selecting the "Best Chapters." I am pleased to say that the final proposal has been reviewed and approved by the Board. This new scorecard offers a clear and transparent framework for recognizing chapters that demonstrate exceptional performance and engagement within our global community.

In September, I had the pleasure of meeting with our **Special Interest Group (SIG)** leaders (see picture at the end of this column). Nearly all SIGs were represented, and those unable to attend provided summary reports. Our **next meeting is scheduled**

## Up Next

**for early November.** The SIGs continue to play a vital role within SPWLA, driving technical advancement, organizing webinars and conferences, and fostering collaboration across disciplines. I encourage all members to participate in these activities, whether online or in person, as announced through SPWLA communications and our website.

The **Table** below lists the current SIG leaders for the **2025–2026 term**, with whom I have the privilege to work closely. As their representative on the international board, my goal is to strengthen connections between SIGs, subject matter experts, and local chapters—expanding opportunities for **regional talks, conference workshops, and technical exchanges** with the support of our regional directors. These collaborative efforts were a central topic in our first meeting, and we will continue to guide our shared initiatives moving forward.

I would like to extend my heartfelt congratulations to **Dr. Carlos Torres-Verdín** and the entire team of graduate students, research staff, and administrative personnel at **The University of Texas at Austin** for celebrating the **25th anniversary** of the *Joint Industry Research Consortium on Formation Evaluation* on **August 18–19, 2025**.

In addition to being a past SPWLA international board member—serving as **VP Technology, VP Publications, and Petrophysics Journal Editor**—Carlos is also a recipient of the **SPWLA Gold Medal**. The consortium he leads is the **longest-standing and most successful research consortium** within both the **Hildebrand Department of Petroleum and Geosystems Engineering** and the **Cockrell School of Engineering**, and it is widely recognized as the **top academic research unit worldwide** in the field of formation evaluation. The anniversary was celebrated in true Longhorn fashion, with outstanding technical presentations, software demonstrations, and a memorable alumni reunion. I was fortunate to attend after being away for a few years and thoroughly enjoyed reconnecting with old friends and colleagues.

Attending the UT Formation Evaluation Consortium meeting this year was truly inspiring. As a proud former student of Dr. Torres-Verdín and graduate of the program, I was deeply encouraged by the cutting-edge research being conducted under his leadership and by the next generation of talented graduate students preparing to enter our industry. The projects presented were not only impressive but also reaffirmed my optimism for the future of our discipline—an optimism further strengthened by the innovative work I've seen at **SPWLA Dubai 2025, IMAGE 2025**, and other recent conferences.

I wish Carlos and his team continued success and look forward to following the consortium's ongoing progress and future participation at **SPWLA Lake Conroe 2026**. The University of Texas at Austin's Formation Evaluation Research Consortium has made extraordinary contributions to petrophysics and to professional societies, including our own **SPWLA**, where I currently serve as **President-Elect**, joining a long list of distinguished Longhorns who have held leadership roles on the international board, including past presidents, international, regional, and local officers.

On a more personal note, my time working with Carlos between 2006 and 2008 was not only professionally rewarding but also marked one of the most challenging—and memorable—periods of my life. During my final spring semester before graduation, my wife and I welcomed our baby boy, Elliott. Balancing parenthood with graduate research was no small feat. Many nights were spent alternating between feeding or burping the baby at 2 am and writing my thesis. My wife, who was also completing her master's degree in hydraulic fracturing under Dr. Jon Olson, shared the same demanding schedule.

At that time, we were both full-time students, full-time researchers, and full-time parents, while also caring for our 10-year-old daughter, who was attending elementary school nearby. Despite the sleepless nights and constant juggling, we managed to finish our degrees successfully, and both proudly graduated from UT with a baby in tow. Today, our children are grown, joined by another daughter born years later in Houston—and I can honestly say that, although it was incredibly difficult, I would do it all over again.

While attending this year's consortium, I shared this memory with **Rey Casanova**, Carlos's long-time administrative assistant. He still remembered those days and jokingly told me that, to his knowledge, only two of Carlos's graduate students have ever been brave (or crazy!) enough to have children while working on their research under his supervision.

**Let's continue working hard as a team towards our SPWLA goals for the 2025–2026 cycle!**

As usual, ideas and recommendations are always welcome. You know where I am and how to reach out. Stay in touch friends, amigos, amis, vrienden, venner, قيديص, 朋友, दोस्त, друзья!

Javier Miranda  
President Elect  
President-Elect@spwla.org

Current SPWLA Special Interest Groups Leaders (2025–2026)

Chapter Name	First Name	Last Name	Company	Position in Chapter	Official SIG Email address
Acoustics SIG	Gennady	Koscheev	Halliburton	Communications	<a href="mailto:acoustics_sig@spwla.org">acoustics_sig@spwla.org</a>
Acoustics SIG	Jennifer	Market	Well ID	Chair	<a href="mailto:acoustics_sig@spwla.org">acoustics_sig@spwla.org</a>
Alternative Subsurface/Energy Transition	Gerold	Tischler	Alternative Earth	Chair	<a href="mailto:aset_sig@spwla.org">aset_sig@spwla.org</a>
Alternative Subsurface/Energy Transition	Femi	Onita	Shell	Vice Chair	<a href="mailto:aset_sig@spwla.org">aset_sig@spwla.org</a>
Borehole Imaging - BHI SIG	Christian	Rambousek	NiMBUC Geoscience	Chair	<a href="mailto:bhi_sig@spwla.org">bhi_sig@spwla.org</a>
Borehole Imaging - BHI SIG	Peter	Barret	Halliburton		<a href="mailto:bhi_sig@spwla.org">bhi_sig@spwla.org</a>
Education SIG	Ahmed	Badruzzaman	Independent	Chair	<a href="mailto:ahmed.badruzzaman@gmail.com">ahmed.badruzzaman@gmail.com</a>
Formation Testing SIG	Gibran	Hashmi	Halliburton	Chair	<a href="mailto:formation.testing.sig@spwla.org">formation.testing.sig@spwla.org</a>
Formation Testing SIG	Camilo	Gelvez	BP	Vice Chair	<a href="mailto:formation.testing.sig@spwla.org">formation.testing.sig@spwla.org</a>
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HAHZ	Meretta	Qleibo	SLB	Chair	<a href="mailto:HAHZ@spwla.org">HAHZ@spwla.org</a>
Hydrocarbon Reserves	Philip	Gibbons	Gaffney Cline	Chair	<a href="mailto:reserves_sig@spwla.org">reserves_sig@spwla.org</a>
Hydrocarbon Reserves	Brett	Gray	Ryder Scott	Vice Chair	<a href="mailto:reserves_sig@spwla.org">reserves_sig@spwla.org</a>
Hydrocarbon Reserves	Joshua	Oletu	Gaffney Cline	Past Chair	<a href="mailto:reserves_sig@spwla.org">reserves_sig@spwla.org</a>
Hydrocarbon Reserves	Luis	Quintero	Halliburton	Past Chair	<a href="mailto:reserves_sig@spwla.org">reserves_sig@spwla.org</a>
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NMR SIG	Radu	Coman	Baker Hughes	Chair Elect	<a href="mailto:NMR@spwla.org">NMR@spwla.org</a>
NMR SIG	Nate	Bachman	SLB	Past Chair	<a href="mailto:NMR@spwla.org">NMR@spwla.org</a>
Nuclear SIG	Ahmed	Badruzzaman	Independent	Chair	<a href="mailto:ahmed.badruzzaman@gmail.com">ahmed.badruzzaman@gmail.com</a>
PDDA	Hyungjoo	Lee	Helmerich & Payne	Chair	<a href="mailto:pdda_sig@spwla.org">pdda_sig@spwla.org</a>
The Resistivity Modeling SIG	Dean	Homan	SLB	Chair	<a href="mailto:rt-sig@spwla.org">rt-sig@spwla.org</a>



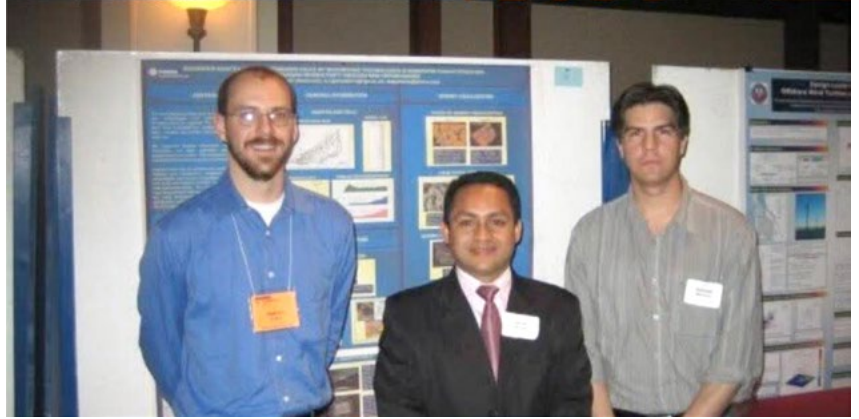
SPWLA Special Interest Groups (SIG) representatives during the first 2025–2026 meeting in September with Javier Miranda (SPWLA President Elect).



Alumni Reunion for The University of Texas at Austin Formation Evaluation Consortium 25th Anniversary Celebration in August 2025.



Carlos Torres-Verdín (Professor and Director of The University of Texas at Austin Formation Evaluation Consortium) and Javier Miranda (SPWLA President-Elect)



Research, hard work, and fun were always mixed for graduate students working for The University of Texas at Austin Joint Industry Research Consortium on Formation Evaluation.



Part of the students of the UT Austin Joint Industry Research Consortium on Formation Evaluation back in 2008, during my birthday celebration. More than a research group, I felt we were like a big research family supporting each other.



Our family in Austin back in 2008. Those were challenging but fun times, too, with full graduate research ongoing and a full family, including two kids.



**Robin Slocombe**  
2025–2026 VP Technology



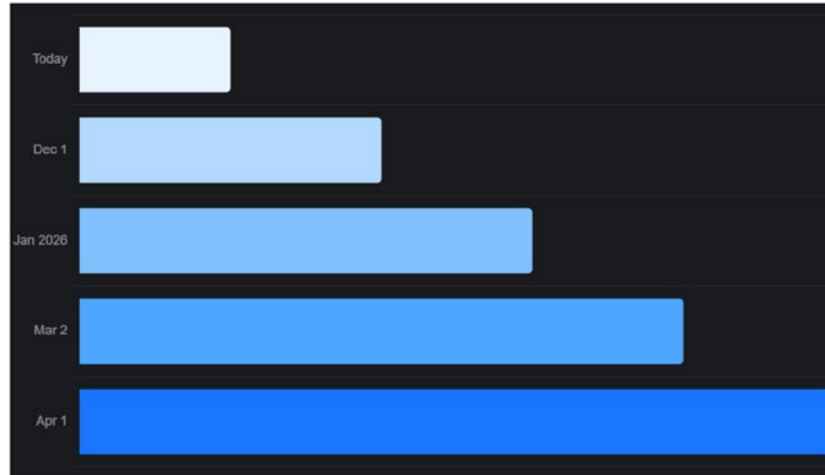
**Artur Posento-Garcia**  
2025–2026 VP  
Technology-Elect

Dear SPWLA members,

We're pleased to share an update on the progress toward the 2026 SPWLA Annual Symposium. The abstract submission period has officially closed, and we're thrilled by the strong response from our global community. Abstracts are now under review by our Technical Committee, which includes more than 70 experts from industry and academia across all regions of the world.

### Abstract Review and Notification Timeline

Each submission is being carefully evaluated to ensure a high-quality technical program. Below is the detailed timeline for the next stages:



- **December 1, 2025** – Notification of acceptance (oral or poster presentation)
- **January 2026** – Accepted abstracts will be published online on the Symposium website
- **March 2, 2026** – Draft manuscripts due
- **April 1, 2026** – Final manuscripts due

**Important:** Any paper not submitted in finalized format by the deadline will be removed from the symposium program.

Following manuscript submission, at least two members of the Technology Committee will review and provide feedback on each paper to ensure clarity, consistency, and avoidance of overly commercial content.

### Workshop Proposal Submissions

The call for workshop proposals remains open, and we encourage members to contribute to this important educational component of the Symposium. Workshops can span two days, one day, or half a day, and proposals should include:

- Title
- Organizer(s) and contact information
- Duration and proposed location (SPWLA 2026, Lake Conroe)
- Abstract (max. 100 words)
- Objectives, Target Audience, Outline, Teaching Methods, Prerequisites, and Expected Outcomes
- Instructor Biographies (including photo)

If you're considering organizing a workshop, please reach out to us directly for early guidance or to discuss your ideas.

### **Mark Your Calendars – SPWLA 2026 Annual Symposium**

We warmly invite the petrophysics community to join us at **Lake Conroe, Texas**, on **May 16–20, 2026**, for the **67th SPWLA Annual Symposium**. This flagship event will feature three full days of technical sessions, hands-on workshops, and networking opportunities, highlighting the latest advances in reservoir evaluation, logging technologies, AI and machine learning, CCUS, and integrated reservoir characterization.

As we continue finalizing the technical program, we're excited to make the 2026 Symposium a vibrant hub for innovation, collaboration, and the exchange of ideas. Whether you're presenting your latest research, learning from peers, or connecting with colleagues from around the globe, this is your chance to be part of the energy and enthusiasm that drives our community forward.

Stay tuned for more updates as the review process concludes and planning for workshops and special sessions progresses—we can't wait to see you in Lake Conroe!

Best wishes,

**Robin Slocombe**

VP Technology

**Artur Posenato-Garcia**

VP Technology-Elect



**Peter Barrett**  
2025–2027 VP Information  
Technology

The nights are starting to close in, and the end of 2025 is almost here. Where has it gone? I am going to tempt fate by saying that IT-wise, the systems have generally been working well, and we have managed the hiccups that have hit us. Our email addresses, which we use for board members (e.g., [vp-infotech@spwla.org](mailto:vp-infotech@spwla.org)), are forwarded to our preferred email addresses. We are experiencing difficulties with emails sent from Microsoft-managed domains (for example, outlook.com or hotmail.com) to some board members using Gmail accounts; this is out of our control and in the hands of our email provider to find a solution. If you do get a bounced response, I am sorry. We are aware of the problem and have done what we can to fix it.

For Christmas, I have asked my wife for an ugly Christmas sweater that states, “Ohh... This calls for an XL spreadsheet,” which can be found at that online store named after a rainforest. In a world of electronic gadgets and as VP IT, I strongly recommend traditional board games, Lego sets, and jigsaws as seasonal presents.

During the holiday season, do not drop your guard; scammers do not stop scamming. Any unknown phone call where they do not greet you with your name is probably a scam. Always be wary of clicking on links in emails. The scammers are getting more and more convincing. Set up two-factor authentication, and when you drive somewhere, always put your laptop in the boot/trunk—even if just driving home from work.

With that, I wish everyone a joyous holiday season and all the best for the New Year.

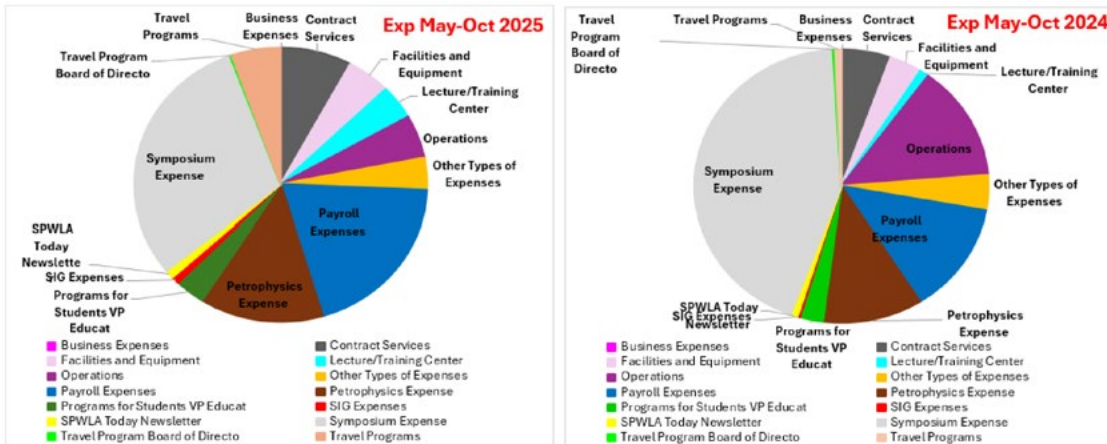
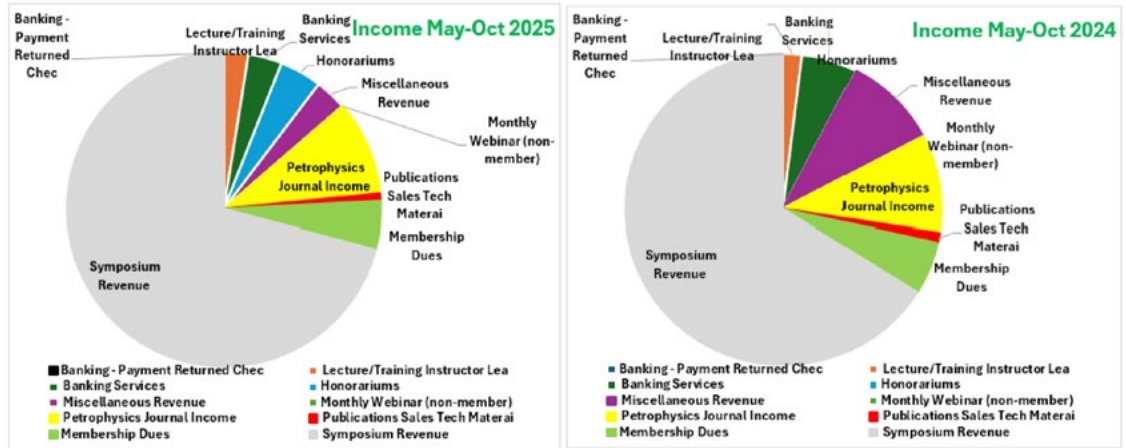
Peter Barrett  
VP Information Technology  
[vp-infotech@spwla.org](mailto:vp-infotech@spwla.org)



**Jing Li**  
2025-2027 VP Finance,  
Secretary, and  
Administration

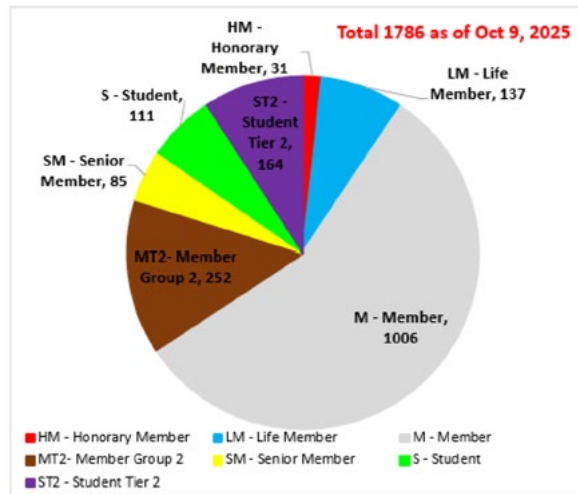
Dear SPWLA colleagues,

The financial status of the SPWLA continues to demonstrate consistent and robust growth. As of October 9, 2025, the total assets increased by 6% compared to October 2024. The pie charts below illustrate the distribution of revenue and expenses from May to October 2025. The annual symposium and membership dues remain the primary sources of revenue. Please note: these figures may not yet reflect deferred income from the symposium or prepaid symposium expenses.



SPWLA has sold 29 printed copies of the *Petrophysics* journal and has reached a total of 1,786 members. We sincerely thank everyone who has joined or renewed—your continued support is vital to our thriving professional community.

If you have not yet renewed your membership, we kindly encourage you to do so. Membership dues remain a key source of funding, allowing SPWLA to deliver continued value through publications, events, and member services. A breakdown of current membership by percentage is provided below for your reference.



We value your feedback and welcome your suggestions, especially regarding new revenue opportunities or ways to enhance member value. Your engagement is essential to SPWLA’s ongoing success.

Thank you for being an integral part of our community. Together, we’re building a stronger, more connected future.

Sincerely,

Jing Li  
VP Finance, Secretary, and Administration

## Learning Opportunities



**Matt Blyth**  
**2024–2026**  
**VP Education**

Hello! Our 2025–2026 season is now in full swing, with both the September and October GDS webinars completed, and the November one on the way by the time you read this report. We have completed our first short course for the year, with Jim Hemingway’s excellent course on Casedhole Formation Evaluation back in September. By the time you read this, we will have also announced our Regional Distinguished Speakers (RDS) for the year. These speakers are chosen from nominations put forward by the local chapters for the best speakers from their previous year’s program. RDS are intended to be a similar resource to the GDS, in that they are available to speak at events all over the globe, but are more focused on talks relevant to their particular geographic region.

We will also be launching the International Student Paper Competition (ISPC) in November. This is one of our top student events of the year, with the final taking place during the 2026 symposium in Conroe, Texas. The ISPC is in two stages. All student chapters are required to conduct a preliminary local competition, with the winners being submitted for selection for the global finals. The ISPC judging committee will then review all the submissions and select the best-ranked abstracts for the final round in three categories – undergraduate, master’s, and PhD. Last year, we had great participation, with over 30 abstracts submitted, and 17 making their way through to the finals in Dubai. At the event, our KFUPM Student Chapter in Saudi Arabia dominated the competition, with winners in every category. I am looking forward to hosting another successful event at the 2026 symposium. If you are interested in being part of the judging committee, either for the abstract selection process, the finals, or both, please reach out to me at the email below.

As usual, everything we do relies on volunteers, so if you are willing to help with the SPWLA educational program, please reach out!

- **Short Courses:** We are in need of people willing to teach short courses on any relevant topics. These courses can be as long or as short as needed, and are usually taught online, with half days each day, to allow attendees to balance work and training – and we share the course revenue with the instructors, so you get paid to teach!
- **On-demand Training Classes:** These courses are available over an extended period, with attendees being able to access prerecorded training modules online and then attend scheduled Q&A sessions with the course instructor. This is a great opportunity to deliver a training course that is perhaps too long to do in a single week.
- **Nuggets of Wisdom:** This is a series of online talks by industry experts on particular topics that interest them most.

So if you have a passion for a particular subject and would like to teach a course, class, or just record your thoughts as an online information archive, then please contact me at [VP-Education@spwla.org](mailto:VP-Education@spwla.org)!

Take care!  
Matt Blyth  
Vice President Education



Amer Hanif  
2024–2026 NA1 Regional  
Director

Dear SPWLA members,

As always, it is my pleasure to give you an update on our activities over the last couple of months and apprise you of some notable events planned for the coming months. My comments will be brief; however, I strongly encourage you to also read the city and student chapter presidents' columns for all the important details.

**Andrew Hind** joins the **SPWLA Houston Chapter** to complete the VP Downtown term left open by Artur Posenato moving to the International Board as VP Technology-Elect. Andrew is a petrophysicist with 18 years of industry experience and is also an active member of SPE, AAPG, and HGS. His love for SPWLA Houston has made him volunteer for the second time, having served admirably in the past as well. Andrew will seek to connect with members in the downtown area and restart technical events in this subchapter. The Houston Chapter has organized four technical luncheons since our last newsletter, covering topics related to both openhole and casedhole evaluation. I am sharing a few pictures from these events; however, details can be found in the Chapter News. The Board has also made four nominations for Regional Distinguished Speakers from their technical program in 2024–2025. We hope all will make it to the final list, and our members will

get to benefit from the knowledge and experience of these speakers. Check out the banner for the **Houston Technology Show**, within this newsletter, and make use of early bird pricing to register as an exhibitor or attendee (<https://spwla-houston.org/event-detail.php?id=18>). The chapter wholeheartedly invites local organizations and members to participate in what promises to be an exciting opportunity to showcase innovations, connect with professionals, and support the petrophysics community. Also worth noting are the three Special Interest Group (SIG) meetings to be held in Houston in the fourth quarter. The NMR SIG had their two-day conference on October 23–24 on the Halliburton campus. The Resistivity SIG has announced November 11 for their event at the Baker Hughes facility, and a Formation Testing SIG conference is on the calendar for December 4 at the SLB offices. Consider participation in one that aligns with your focus or all of them to learn the latest in these disciplines.

**SPWLA Dallas Chapter** hosted an interesting and relevant talk in September on the re-purposing of retired oil and gas assets for geothermal energy. The speaker apprised us of a DoE-sponsored project in this area (check out their column for details on the talk). As this newsletter reaches you, the October Technical Event will already have taken place, also on a very engaging topic related to the integrated core study from Texas. The board is contemplating several ideas for the coming months, including a possible Core Workshop, so make sure you are following their LinkedIn for timely updates (<https://www.linkedin.com/company/spwla-dallas-chapter/posts/?feedView=all> ). Through the efforts of Chapter President **Behzad Ghanbarian** and Editor **Nadine (Igonin) Ushakov**, UT Dallas and UT Arlington now have the required number of students to form the first SPWLA Student Chapter in the Dallas area. With possibilities to include more schools from the greater metropolitan area, this would be a great achievement towards introducing new students to our community and profession.

**The University of Houston** had its first general meeting in September, followed by participation in a Family Weekend in early October to both engage with the local community and promote chapter activities among new students. In October, the chapter also held a two-day technical training on Techlog petrophysics software, where they invited the University of Kansas to join in as well. The training was a big success, with plans to repeat with a larger scope.

**The University of Texas at Austin** has a full program laid out with almost two events planned per month. Their technical program kicks off in November with a Global Distinguished Speaker from Shell. The team keeps it interesting on all fronts, whether it is welcoming the new Longhorns at “Gone to Engineering” or hosting fun events like Trivia Night.

**Texas A&M University-Kingsville (TAMUK)** had the privilege to host **Zach Liu** for an insightful talk on “Navigating Challenges and Uncovering Opportunities in Launching CCS Projects.” The chapter also made a successful study tour to the SLB facilities in Houston, where they got to engage with professionals and learn the practical applications of geoscience. President **Papa Kwesi** described the visit as a truly inspiring and educational experience for all.

## Regional Understandings–North America 1

The University of Louisiana, Lafayette (ULL) held their first general meeting in September with 13 students in attendance. In October, the chapter organized a field trip to the Baker Hughes operations base in Broussard, LA, to learn about wireline logging (WL), logging-while-drilling (LWD), and measurement-while-drilling (MWD) technologies and operations. Quoting President **Derrick Oladele**, “The visit provided an excellent opportunity for students to connect classroom learning with real-world applications in the energy industry.” With the guidance and support of faculty advisor, **Dr. Mehdi Mokhtari**, the board is on a campaign to recruit new student members. Several members have submitted abstracts for the student paper contest, with optimism that some will be selected for the 67th Annual Symposium.

Amer Hanif  
NA1 Regional Director



Houston Northside – Dr. Singer presented his research and special insights into organic rock characterization using NMR relaxation and diffusion techniques. Houston President Ron Bonnie welcomed the speaker and the attendees. SPWLA President Robert Gales took this occasion to encourage participation in the 2026 Annual Conference in Conroe, Texas.

## Regional Understandings–North America 1

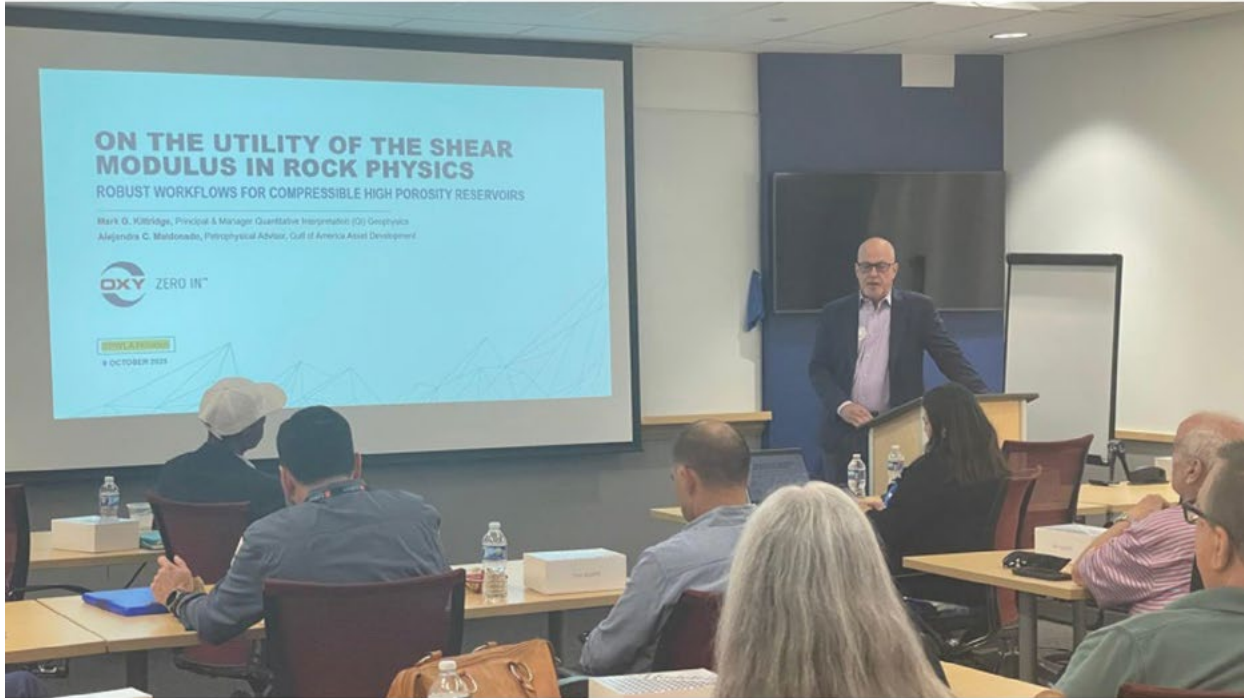


Houston Westside – QinShan (Shan) Yang, VP Westside, invited Dr. Ze Wang (GOWell) for a technical presentation on tubular well integrity analysis, critical to saving on costly repairs or even potential well abandonment. I took the opportunity to pose for a picture with Shan, Veronica Montoya, Ron Bonnie, and Bob Gales.

## Regional Understandings–North America 1



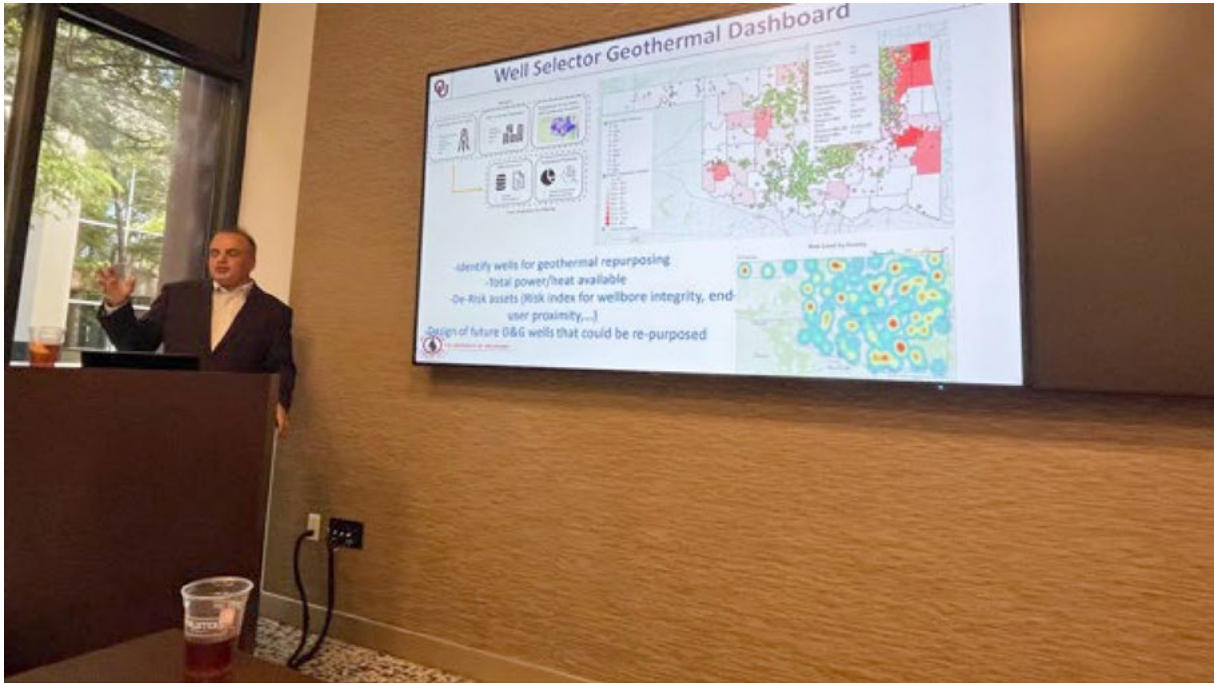
Houston Northside – As casedhole formation evaluation becomes increasingly important, it was a good time for Ali Eghbali, VP Northside, to invite Dr. Toyli Anniyev (Baker Hughes) to share the development of a new pulsed-neutron spectroscopy tool for behind casing fluid saturation monitoring.



Houston Westside – Mark Kittridge (principal and manager QI geophysics at Oxy) delivered a compelling session describing a novel workflow for rock physics development in high-porosity reservoir sands.



If you are not attending the monthly Houston Social, then you are missing out on a lot of fun and opportunities to network with the local petrophysical community. We have our regular patrons, but then you always have a few fresh faces and visiting members from out of town. Everybody is welcome, just show up, last Thursday of the month, same place, same time.



Dallas Chapter Technical Event – Guest speaker, Dr. Saeed Salehi (SMU Lyle School of Engineering), gave an absorbing talk on a US Department of Energy-sponsored project on re-purposing oil wells for geothermal energy.



SPWLA UH Student Chapter posing after their first general meeting of the new year. In the picture, Chapter President Musfika Rahman, faculty advisors Dr. Lori Hathon and Dr. Mike Myers, and guest speaker Clara Palencia.



The University of Texas at Austin – (Top) Vice President Alejandro Lopez and President Matheos Giakoumi hosting the Trivia Night social. (Bottom) SPWLA at Gone to Engineering showcasing to upcoming students what petrophysics is. (From left to right) Vice President Alejandro Lopez, President Matheos Giakoumi, and Secretary Mariella El Khoury.



The University of Texas A&M Kingsville (TAMUK) – Student Chapter President Papa Kwesi Eshun shared some nice pictures from their first in-person visit and technical talk on the campus. (Clockwise from top) Zach Liu shared learnings from constructing and managing a CCUS project, posing with the student board, and with faculty advisor Dr. Subbarao Yelisetti and Papa Kwesi.

## Regional Understandings–North America 1



The University of Louisiana, Lafayette (ULL) – (Top) Student Chapter President Derrick Oladele getting together for a picture after the first general meeting. (Middle) Faculty Advisor Dr. Mehdi Mokhtari gives advice to students during the general meeting. (Bottom) The chapter visited Baker Hughes' operational base in Lafayette to study wireline, LWD, and MWD technologies.

## Regional Understandings—North America 2



**Andrew Anderson**  
2025–2027  
NA2 Regional Director

Dear colleagues,

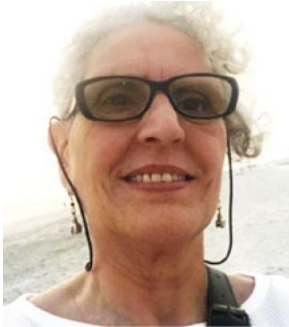
I'm grateful for the opportunity to connect with the petrophysics community through this newsletter. After relocating from Bakersfield, California to Anchorage, Alaska over the summer, I'm finally feeling settled—just in time for the seasons to shift dramatically.

As the former president of the San Joaquin Well Logging Society (SJWLS), I had the privilege of serving near the close of the previous season. With my move north, the chapter is currently navigating its election process. Thanks to the continued support of our members and sponsors, the 2025–2026 season launched successfully with the annual Core BBQ, generously hosted and sponsored by Bryan Bell, his family, and Best Core Services. I'd also like to extend my sincere appreciation to Elyse Goin and Radoslaw Sobczyk for their support of the SJWLS during this transition.

Across the NA2 region, chapters have met virtually to introduce new board members, exchange ideas, and coordinate speaker events—especially in some of our more remote North American locations. Many chapters have already kicked off their technical programming, and it's inspiring to see the energy coming from the University of Oklahoma Student Chapter, as well as the collaboration between students and professionals. There's also growing enthusiasm from students and faculty at two potential new student chapter locations—stay tuned as those discussions progress!

New boards are now in place in the Permian Basin, Boston, and OU Chapters, while many others continue with their dedicated existing leadership. I'm deeply grateful to all of them for their commitment and look forward to the programs ahead as we close out 2025 and head into the new year.

Best regards,  
Andy Anderson  
NA2 Regional Director



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

Dear colleagues,

As spring arrives in Latin America, the SPWLA Latin America region celebrates a season full of activity, collaboration, and innovation. September has brought inspiring initiatives from both **Professional and Student Chapters**, reflecting the growing commitment of our regional community to advance formation evaluation, petrophysics, and applied geosciences.

From technical talks and AI-focused discussions in Argentina and Brazil to the creation of new Student Chapters and in-person networking events, our members continue to strengthen professional ties and foster knowledge exchange across borders.

## Professional Chapters News



### Brazil

The Brazil Professional Chapter recently hosted an engaging technical talk titled “Deep Saturation of Irreducible Water,” presented by **Bernardo Fraga**. The session explored the challenges and methodologies involved in quantifying irreducible water saturation in complex reservoirs, highlighting its impact on reservoir characterization and production optimization.



### Argentina

In Argentina, **Eng. Camilia Juan Suriano** delivered the thought-provoking presentation, “The Well and the Prompt: How AI Redefines Our Job in O&G.” The talk addressed how artificial intelligence is transforming workflows in exploration and production, offering new perspectives on data analysis, decision making, and the evolving role of geoscientists in the energy sector.



## Student Chapter News



### Brazil

Two new Student Chapters are expanding the AAPG network in Brazil:

- The **UFRRJ Student Chapter** (Universidade Federal Rural do Rio de Janeiro) was officially created last September, marking an exciting new step for the academic community in Rio de Janeiro.
- The **UERJ Student Chapter** (Universidade do Estado do Rio de Janeiro) is currently in the process of being established. The group awaits final approval from the Board and is already engaging students interested in geosciences and energy transition topics.

These new chapters reflect the growing enthusiasm among students for professional development and international collaboration within the geosciences community.



## Regional Understandings–Latin America

### Argentina

The **Argentina Student Chapter** network has also been very active, organizing and participating in multiple collaborative and professional development initiatives across Latin America.



- **Regional collaboration:** Joint activities were carried out with student groups from different societies across **Argentina, Chile, Peru, and Venezuela**, strengthening bonds among future geoscientists and promoting cross-border knowledge exchange.
- **XV Buenos Aires AOG:** Students took part in the **Young Professional Forums** during the **XV Argentina Oil & Gas Expo (AOG)** in Buenos Aires, contributing their perspectives on innovation, sustainability, and new professional challenges in the energy industry.



- **SPWLA Buenos Aires in-person event:** The SPWLA Student Chapter in Buenos Aires organized its second *in-person* event on **Tuesday, September 9**, from **9:00 am to 2:00 pm** at **Rogii's offices (Juana Manso 555)**. The meeting featured presentations on "Innovation in Geosciences and Energy," "Formation Evaluation: From Field Data to Artificial Intelligence," and a "Cuttings and Core Samples Exhibition." The event gathered professionals and students in an engaging environment of learning, networking, and hands-on experience.

Let us remember the power of three simple yet magical words that I will share in my own language: *Por favor, perdón, y gracias!*

Warm regards!

**Marta Inés D'Angiola**

Latin America Regional Director

# Join the Steering Committee of *The Bridge*!

*Are you a young professional in petrophysics who's excited to share your ideas and experiences?*

*The Bridge, our newsletter section, is looking for volunteers to help shape content and keep the conversation going in our field.*

## Why Volunteer?

- **Share What You Know:** Writing for *The Bridge* gives you a chance to share your thoughts and expertise with others in the industry. It's a great way to contribute while making your voice heard.
- **Connect with Others:** Being on the Steering Committee means you'll meet and work with other young professionals, building valuable connections along the way.
- **Make a Difference:** You can help shape the direction of the petrophysics community by sharing stories and insights that resonate with others and inspire them.
- **Enhance Your Resume:** Volunteering as a content creator or editor showcases your leadership, commitment to the field, and ability to contribute to industry-wide dialogue—traits highly valued by employers.

If you're passionate about petrophysics and want to help build a bridge to the future, we'd love to have you on board!

To express your interest or learn more,  
please contact [SPWLAYP@spwla.org](mailto:SPWLAYP@spwla.org).



## SPWLA Papers of the Quarter Series

November 2025

### 2025 Steering Committee

#### Editors

Issa Haddad

Javier Miranda

Clara Palencia

#### Senior Editor

Nelson Suarez Arcano

SPWLAYP@SPWLA.ORG

#### In this edition:

SPWLA Papers of  
the Quarter Series

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

**Title:** Real-Time Monitoring of Carbon Dioxide Injection Through Fiber Optics: Physics-Based Modeling of Distributed Temperature Sensing Data for Time-Lapse Fluid Typing, Pressure Inference, and Phase Transition Assessment

**Authors:** Marco Pirrone (Eni S.p.A.) and Tommaso Mantegazza (EniProgetti S.p.A.)

**Summary:** This paper introduces a new physics-based approach for interpreting distributed temperature sensing (DTS) data from fiber optics to monitor CO<sub>2</sub> injection wells in carbon capture and storage (CCS) projects. The workflow integrates DTS data with thermo-fluid dynamic simulation (TFDS) models to determine fluid type, pressure distribution, and phase transitions in real time. The methodology was applied to a CO<sub>2</sub> injector in a depleted gas reservoir equipped with permanent fiber-optic cables and surface/downhole gauges.

#### Key Points:

##### 1. Technical Review:

##### Distributed Temperature Sensing (DTS):

DTS uses Brillouin and Raman inelastic scattering of laser light photons along fiber-optic cables to measure temperature continuously along a wellbore. The ratio between Stokes and anti-Stokes signals is used to calculate temperature as a function of depth and time. DTS enables high-resolution thermal mapping but requires calibration and data correction for light attenuation and noise.

##### Standard DTS Monitoring:

Conventional DTS monitoring can identify temperature anomalies related to CO<sub>2</sub> compression and phase change (Joule-Thomson effect). However, standard analysis cannot quantify the brine displacement rate or pinpoint the CO<sub>2</sub>-brine interface during startup. DTS alone is thus qualitative and requires physical modeling to infer fluid behavior accurately.

##### Physics-Based DTS Reprocessing for Fluid Typing:

The authors developed a new data reprocessing method based on the Ramey (1962) wellbore heat transmission model. This analytical approach models the temperature evolution as a function of heat exchange, depth, and time. By applying mathematical operators ( $\Omega$ ), DTS temperature data are transformed into a fluid typing function ( $\Gamma$ ), based on the volumetric heat capacity of the fluids.

Because CO<sub>2</sub> and brine have distinct heat capacities,  $\Gamma$  allows real-time discrimination between the two fluids. The method can track the CO<sub>2</sub>-brine contact along the well and calculate the displacement rate during transient injection. Comparison with downhole pressure gauges confirmed the timing and depth of CO<sub>2</sub> entry into the reservoir.

**Integration With Thermo-Fluid Dynamic Simulation (TFDS):**

The reprocessed DTS data were used to calibrate a TFDS model simulating the entire CO<sub>2</sub> transport and injection system (from surface to reservoir). DTS temperature profiles provided key inputs for heat transfer coefficients and formation thermal conductivity.

The calibrated TFDS model accurately reproduced observed temperatures, pressure gradients, and phase distribution along the wellbore. Results showed:

- CO<sub>2</sub> in the gas phase near the surface and the supercritical phase at depth
- A smooth density gradient, confirming a continuous gas-supercritical transition
- The CO<sub>2</sub>-brine interface from the model matched DTS-inferred positions

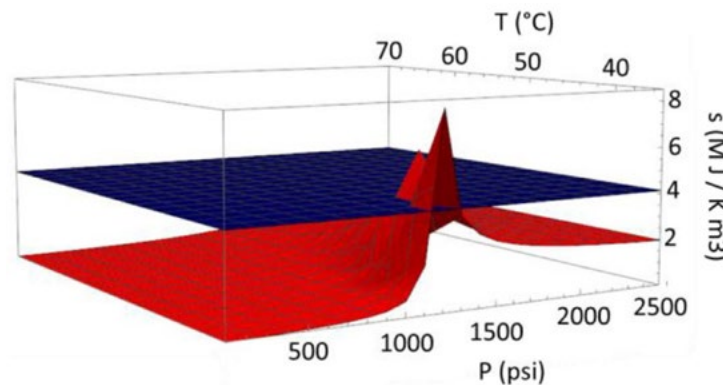


Fig. 1—Volumetric heat capacity (*s*) of water (blue) and CO<sub>2</sub> (red) as a function of temperature (*T*) and pressure (*P*).

**2. Case Study:**

The field case involved a depleted natural gas reservoir equipped with permanent DTS and distributed acoustic sensing (DAS) cables. During early CO<sub>2</sub> injection, DTS captured transient temperature increases caused by CO<sub>2</sub> pressurization and phase change. The proposed workflow successfully visualized the evolution of the CO<sub>2</sub> front, quantified brine displacement, and calibrated the dynamic model for better predictive capability.

**3. Key Findings:**

**1. Fluid Typing:**

- The new DTS reprocessing differentiates CO<sub>2</sub> (gas/supercritical) from brine using their thermal signatures.
- It enables real-time tracking of CO<sub>2</sub>-brine interface movement and reservoir entry timing.

**2. Temperature and Pressure Behavior:**

- DTS captured CO<sub>2</sub> compression heating and Joule-Thomson effects.
- TFDS confirmed pressure buildup consistent with CO<sub>2</sub> replacement of brine.

**3. Phase Transition:**

- The CO<sub>2</sub> phase transitions gradually from gas to supercritical along the depth.
- The model provides continuous profiles of density, temperature, and pressure evolution.

**4. Model Calibration and Validation:**

- DTS data improved TFDS accuracy in predicting hydraulic behavior and thermal response.
- The validated model can now be used for flow assurance, risk management, and injection optimization.

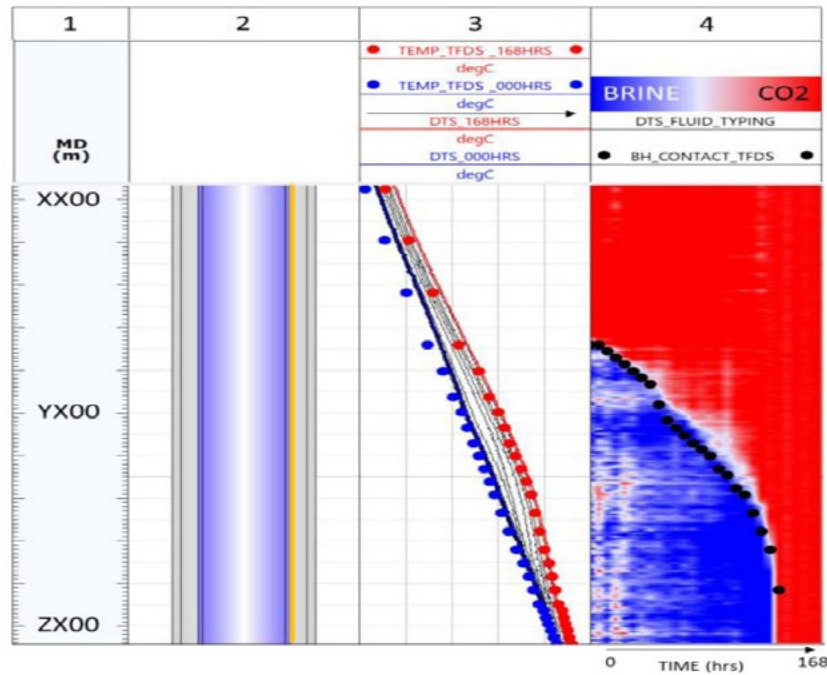


Fig. 2—Comparison of temperatures/fluid typing results from DTS and TFDS results (dots).

**4. Conclusion:**

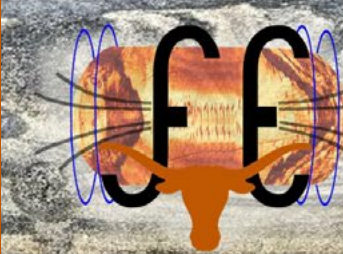
The integrated DTS-TFDS workflow enables quantitative, physics-based monitoring of CO<sub>2</sub> injection wells from the earliest project stages. DTS temperature evolution, when properly reprocessed, provides direct insight into fluid movement, phase state, and well dynamics.

This method advances CCS surveillance by converting fiber-optic data into actionable engineering parameters, supporting safer and more efficient CO<sub>2</sub> storage operations. It also establishes a foundation for future integration of DAS data for enhanced well characterization.

**Reference**

Ramey, H.J. Jr., 1962, Wellbore Heat Transmission, Paper SPE-96, *Journal of Petroleum Technology*, 14(4), 427–435. DOI: 10.2118/96-PA.

\*\*Editor’s note: This paper will be published in the February 2026 issue of *Petrophysics*, a special issue featuring the best papers from the 2025 SPWLA Annual Symposium.



## The UT Austin Research Consortium on Formation Evaluation Celebrates Its 25th Anniversary!

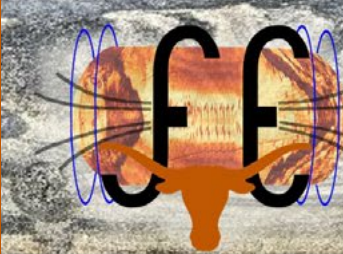
By Carlos Torres-Verdín, PhD, Professor, Brian James Jennings Memorial Endowed Chair in Petroleum and Geosystems Engineering, Hildebrand Department of Petroleum and Geosystems Engineering, The University of Texas at Austin

*Dedicated to the memory of Prof. Ekwere Peters, a great colleague, mentor, and visionary, and a superlative instructor and friend.*

August 2025 marked the 25th anniversary of uninterrupted and successful activities by our joint-industry research consortium. We celebrated the occasion with a memorable alumni reunion in Austin, Texas (see photo below).

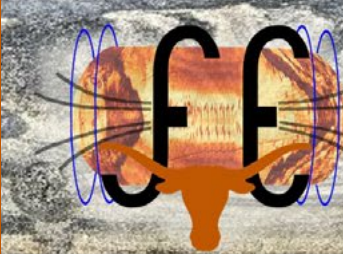


The seeds of the consortium were sown in 1998–1999 by a generous gift from Baker Hughes, Halliburton, and SLB to The University of Texas at Austin, a gift which was gestated, promoted, and brought to fruition by the late Prof. Ekwere Peters, who at the time was Chair of the Department of Petroleum and Geosystems Engineering. After a worldwide search by my department, I was hired in July 1999 as an Assistant Professor and tasked with developing a strong academic presence in the discipline of formation evaluation. There were no salient or organized academic efforts centered on the discipline of formation evaluation during those days, let alone at The University of Texas at Austin. It was a sorely needed academic niche, waiting to be given the prominence that it deserved. Without wasting time, during the 1999–2000 academic year, I embarked on a worldwide tour to promote and receive valuable feedback about the inception of an industry-sponsored research consortium on formation evaluation. And August 2000 came along with the first-ever annual meeting of an incipient group of enthusiastic service and operating companies.



Much has happened since the first annual consortium meeting in 2000. Undoubtedly, our consortium work has positively impacted the discipline of formation evaluation in ways that were not anticipated 25 years ago. It was hard to predict back then the influence that we would eventually have in the acquisition and interpretation of borehole geophysical measurements. Academic research units are often questioned for their marginal influence in everyday applications; pejorative epithets abound, and we were being looked at under the same light. Fast forwarding 25 years, it is difficult to find a formation evaluation expert who might dispute the value of our work and the impact that we have had in the discipline. We humbly state that the year 2000 became a historical and inexorable watershed in the discipline of formation evaluation because of the beginning of our consortium activities. Nowadays, we anticipate even more interesting and challenging projects that will bring new knowledge, concepts and methods, and applications. Excellence will continue to be our hallmark in that process!





If we were asked to list the most important achievements by the consortium during the last 25 years, the following items will conform our highlighted summary:

- (1) We remain the top academic research group in the world in the discipline of formation evaluation.
- (2) We have maintained a significant number of sponsoring companies, reaching 35 in 2016 and 18 currently.
- (3) We graduated 49 PhD and 53 MSc students. Currently, there are 11 PhD students in the program. Likewise, there have been 32 postdoctoral fellows and research scientists supported by the consortium, most of them now actively engaged in formation evaluation activities with operating or service companies, or in academia. Six of our graduated PhD students are now professors at international universities, practicing, spreading, and expanding far and wide the discipline of formation evaluation. Our graduate students are recognized as a leading technical force among industry groups dedicated to formation evaluation around the world. Many of them have already achieved influential positions in the industry.
- (4) Four of our graduated students have been (or will soon become) Presidents of the SPWLA. Likewise, our graduated students continue to take very active roles in the SPWLA, with nine of them being former and current members of the SPWLA Board of Directors.
- (5) Our instruction efforts in the discipline of formation evaluation have reached more than 3,500 undergraduate and graduate students and industry personnel. Instruction efforts have already been deployed in modern social media, reaching an audience of more than 15,000 viewers around the world.
- (6) We introduced unprecedented methods for the rapid numerical simulation of nuclear, sonic, resistivity, and magnetic resonance logs in vertical and deviated wells, which made it possible to perform separate and joint inversion of well logs for much improved petrophysical and mechanical quantitative assessments of spatially heterogeneous rocks. Our simulation and inversion methods have been adopted by service companies and continue to be used by operating companies to interpret borehole measurements acquired in challenging petrophysical environments.
- (7) We developed new methods for the quantitative interpretation of two-phase flow properties of rocks from the simulation of the process of mud-filtrate invasion and its impact on borehole measurements.



- (8) We developed an innovative, non-commercial software platform (3D UTAPWeLS) for the construction of multilayer reservoir models from well logs, and for the effective quantitative integration of borehole measurements and core data to estimate storage and flow properties of rocks. Rapid numerical simulation and inversion of well logs with and without presence of mud-filtrate invasion is at the heart of 3D UTAPWeLS. Several operating and service companies routinely use UTAPWeLS to approach non-trivial petrophysical and geomechanical interpretation problems. It is precisely the non-commercial nature of our software that allows us to interact freely and closely with both service and operating companies.
- (9) We published 280 refereed journal papers, 295 refereed conference extended abstracts, and delivered 120 oral presentations at professional conferences. There have been seven patents issued from work/projects developed by the consortium.
- (10) We received 10 major international awards from SPWLA, SPE, SEG, and EAGE, four Best Paper awards from SPWLA, two Best Presentation awards from SPWLA, and one Best Paper award from SEG.
- (11) We raised approximately USD 32.7 million of total research funding from industry, federal, state, and other international agencies.
- (12) We initiated a new successful sub-consortium for improved fast modeling and inversion of deep-sensing borehole electromagnetic measurements (i.e., UDAR measurements).

Even though landmarks are to be celebrated and honored, we shall not pause to bask in the laurels of a glorious path, for the road of the future is very likely festooned with equal or better developments and research opportunities.

Our most heartfelt gratitude goes to all of our sponsoring service and operating companies during the last 25 years. It is because of their continued support in many ways and forms that we have successfully reached our 25th anniversary across several consequential industry attrition/consolidation cycles. Many thanks to all our former and present students, researchers, and administrative personnel whose work has contributed immensely to the success of our research consortium! May the discipline of formation evaluation continue to thrive and be a dominant and central technical force in the exploration and development of surface energy resources!





# SPWLA Resistivity SIG Meeting

## CALL FOR PRESENTATIONS

We invite resistivity/dielectric/imaging presentations to be given at our SPWLA Resistivity Special Interest Group 12 Nov. 2025 Meeting. We are planning an international session that will be open in the morning (Houston time zone), via video conference software TBA. Please email us with your titles, author's names, and a short abstract. We encourage you to join this lively group of petrophysicists and electromagnetic specialists. The venue, lite breakfast, lunch, and coffee provided by Baker Hughes. We appreciate Jun Zhang and Baker Hughes for their time and resources.

## EVENT DETAILS

**Date:** ~~Tuesday, Nov. 11th, 2025 (Veterans Day)~~

**NEW Date:** **Wednesday, Nov. 12th, 2025**

**Time:** 8:00 a.m. to around 4:30 p.m.

**Fees:** All Participants \$10.00 registry through SPWLA

**Location:** Baker Hughes CTI

Theater, Phase II Building – 1st Floor 14990 Yorktown Plaza Dr. Houston, TX 77040

## SCHEDULE FOR OPEN MORNING VIDEO CONFERENCE

**8:00 AM – 8:30 AM** Breakfast and Registration

**8:30 AM – 9:00 AM** Officer Introductions, Safety Brief by Staff, Jun 18th meeting notes, Budget, and SIG Activities, Veteran Day acknowledgment and recognition to service members Election for new officers discussion

**9:00 AM – 9:30 AM** "Precision Beyond Limits: Breaking New Ground in Complex Structures With Ultradeep Resistivity Geomapping for Accurate Geosteering", From SA - **Eduard Bikchandaev, Halliburton; Ida Bagus Gede Hermawan Manuaba and Abdullah Ali Alshehri, Saudi Aramco; Hesham Elmasry, Halliburton.**

**9:30 AM – 10:00 AM** "Optimizing Wellbore Placement With Near Bit Ultradeep Azimuthal Resistivity", From UK.- **Nigel Clegg, Alessandra Silva, Karol Riofrio, and Carlos Sarquez, Halliburton; Ville August Aarseth, Ole Martin Teien, Amitabha Chatterjee, and Gustav Kvaal Legouy, Aker BP**

**10:00 AM – 10:30 AM** "Implementation of High-Definition Reservoir Mapping While-Drilling to Enhance Horizontal Well Placement and Reservoir Characterization in Low-Resistivity,

Heterogeneous Reservoir: A Case Study From Peru" - **Federico Seminario, Jorge Sarmiento, Edwar Bustamante, Edson Castillo, and Tito Orrego, Petrotal; Egor Kovarskiy, Guillermo Cuadros, Igor Hernandez, and Victor Laguna, SLB**

**10:30 AM – 11:00 AM** Coffee Break

**11:00 AM – 11:30 AM** "Evidence of Changing Clay Counterion Concentration with Pore Water Salinity from Analysis of Historical Laboratory Complex Conductivity Measurements" - **John Rasmus, SLB**

**11:30 AM – 12:00 PM** TBA

**12:00 PM – 1:00 PM** Lunch

## SCHEDULE FOR IN-PERSON CLOSED SESSION

**1:00 PM – 1:30 PM** "Anisotropy Sensitivity in UDAR Technologies" - **Mike Bower, SLB**

**1:30 PM – 2:00 PM** "Becoming Certain About Deterministic Uncertainty" - **Mike Bower, SLB**

**2:00 PM – 2:30 PM** "Case Study of Active Resistivity Ranging With Ultradeep Azimuthal Resistivity Measurements While Drilling" - **Diogo Salim, Yong-Hua Chen, Lin Liang, Jean-Michel Denichou, SLB; Antonio Mainieri da Cunha, and Silas Alexandre da Rocha Roberto, Petrobras; Martine Wenang, Motaz Zeidan, and Umut Ercan, SLB** 2:30 PM – 3:00 PM Coffee Break

**3:00 PM – 3:30 PM** TBA

**3:30 PM – 4:00 PM** TBA

**4:00 PM – 4:30 PM** "Call for vote on new officers" -Dean and Jinjuan

**4:30 PM – 4:45 PM** Closing Remarks

## CONTACTS

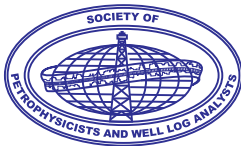
Dean M. Homan – DHoman@slb.com

Jinjuan Zhou – jinjuan.zhou@exxonmobil.com Bishnu Karki – BKarki4@slb.com

Peter Swinburne – peter.swinburne@nohiddenpay.com Jun

Zhang – jun.zhang@bakerhughes.com

Hosted by the SPWLA Resistivity SIG • Hybrid  
(Virtual + In-person)

**EAGE**EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS**OUR  
TOPICS**

# First EAGE Workshop on Surface Logging

12-14 NOVEMBER 2025 • PARIS, FRANCE

## FUNDAMENTALS OF SURFACE LOGGING

Fundamental mudlogging techniques emphasize the extensive use of instrumentation and essential technologies, playing a crucial role in modern drilling operations and providing preliminary formation evaluation data. Studies should demonstrate the value of basic mudlogging technologies across various scenarios and environments, while also addressing the limitations that advanced surface logging services aim to overcome

## DRILLING PERFORMANCE

Techniques for evaluating drilling efficiency, detecting formation changes, and identifying lithological variations through surface data, with a focus on optimizing drilling performance and operational effectiveness.

## MUD LOGGING PRACTICES

Techniques and new technologies for formation evaluation, identifying, detecting, and measuring fluids and lithology with the various basic and advanced technologies, highlighting the growing relevance in various environments from conventional to unconventional in different scenarios (O&G and new energy). How surface logging can mitigate or solve operational risks and costs, increasing the reliability and predictability of the characterization of rocks and reservoir fluids.

## INTEGRATION OF SURFACE LOGGING WITH SUBSURFACE DATA

Integrating surface logging data with downhole measurements, either to enable real-time decision-making during critical drilling operations, or to increasing subsurface understanding post well.

## APPLICATIONS IN RESERVOIR EVALUATION & GEOCHEMISTRY

Leveraging surface logging to estimate key reservoir properties such as porosity, permeability, and fluid content, improving the precision of reservoir characterization and development strategies.

## OPERATIONAL SAFETY AND HAZARD IDENTIFICATION

Examining the role of surface logging in the early detection of well control issues, abnormal pressure zones, and loss circulation. By improving safety measures, surface logging mitigates operational risks and enhances overall safety.

## DIGITAL TRANSFORMATION IN SURFACE LOGGING: AUTOMATION, AI, AND MACHINE LEARNING APPLICATIONS

Examining the role of surface logging in the early detection of well control issues, abnormal pressure zones, and loss circulation. By improving safety measures, surface logging mitigates operational risks and enhances overall safety.

## ENERGY TRANSITION

Exploring surface logging's growing relevance as the industry pivots toward more sustainable and diverse energy sources. Research and case studies on the use of traditional surface logging tools and methodologies of the oil & gas industry oriented to a different purpose, along with the development of new technologies tailored for energy transition scenarios with the common baseline of dealing with surface samples and data.

## CASE STUDIES

Showcasing real-world applications of surface logging across diverse environments, including unconventional reservoirs, high-pressure high-temperature (HPHT) wells, deepwater drilling, geothermal exploration, and special gas exploration (hydrogen and helium).



# Register now!

Early registration: 20 September 2025

PLATINUM  
SPONSORGOLD  
SPONSOR**EXLOG**  
EXCELLENCE LOGGING[WWW.EAGE.ORG](http://WWW.EAGE.ORG)

**SPWLA BOARD OF DIRECTORS MEETING MINUTES**  
**REMOTE**  
**September 12, 2025**

President Robert “Bob” Gales called the meeting to order at 7:04 am CST. In attendance, President-Elect, Javier Miranda, Vice President Technology-Elect, Artur Posenato-Garcia, Vice President Education, Matt Blyth, Vice President Finance and Admin, Jing Li, Vice President Information Technology, Peter Barrett, Vice President Communications, Chicheng Xu, Regional Director N. America 2, Andrew Anderson, Regional Director N. America 1, Amer Hanif, Regional Director Europe, Pascal Debec, Vice President Publications, S. Mark Ma, and Regional Director, and Executive Director, Sharon Johnson  
Absent, Vice President Technology, Robin Slocombe, Middle East/ Africa, Elsa Maalouf, Regional Director Latin America, Marta D’Angiola, Regional Director Asia Pacific/Australia, Ryan Banas,

**Motions:**

1. **Approval of Previous Minutes**

Motion made by President Elect, Javier Miranda, seconded by Vice President Information Technology, Peter Barrett, to waive the reading of the regular Board Meeting Minutes from July 11, 2025, and the Special Meeting of August 15, 2025, passed by majority vote.

2. **Joint Meeting with SEG – Seismic Petrophysics Workshop (Al Khobar, November 2026)**

Motion made by President-Elect, Javier Miranda, seconded by Vice President Education, Matt Blyth, to sign the Memorandum of Understanding (MOU) for the joint Seismic Petrophysics Workshop with SEG, passed by majority vote.

**Action Item:** Matt and Jing to submit a list of names to fulfill SPWLA committee representation requirements.

**Discussions:**

1. **Leveraging SPWLA Technical Publications**

Committee Members: Chair: Chicheng Xu (VP Communications)

Members: Robin Slocombe (VP Technology), Peter Barrett (VP Information Technology), Bob Gales (President)

Summary: The committee will explore potential business models to leverage SPWLA’s technical publications.

2. **2025 Symposium Closeout**

Final Dubai Chapter host compensation has been confirmed per the established financial matrix.

Note: Funding challenges remain in the region and have halted the payout; alternative options are being explored.

3. **Global Distinguished Speakers**

The list of Global Distinguished Speakers has been finalized, and scheduling of presentation sessions is now in progress.

**Updates:**

1. **2026 Symposium – Margaritaville Lake Conroe, Texas**

**Organizing Committee – 67th Annual Logging Symposium**

- General Chair: Veronica Montoya (SLB)
- Co-General Chair: Katerina Yared (3M Corp)
- Exhibits: Andy Anderson
- Printing/Signs: Jiaxin Wang (Halliburton)
- Finance: Jing Li (OXY)
- Social Media: Chicheng Xu (SPWLA VP Communications)
- Technical Arrangements: Jeff Crawford (Halliburton)
- Student Posters: Matt Blyth (SPWLA VP Education / TBD co-chair)
- Golf Tournament: Eric Olsen (Geolog)
- Transportation: Peter Barrett (Halliburton)
- Sponsorship/Social Functions: Blake Moake
- Fieldtrip: Amanda Reynolds
- Partner/Guest Activities: Tabatha Barrett
- Advisors: Sharon Johnson & Stephanie Turner (SPWLA HQ)

**Progress:**

- Kick-off meeting held August 28; all roles confirmed.
- Monthly meetings scheduled moving forward.
- Ongoing communications with the host venue sales representative.
- First right of refusal letters for social event sponsorship sent to Baker Hughes, Halliburton, and SLB.
- Marketing campaign has commenced and will be rolled out shortly.
- Technical Program Committee is on standby pending the closure of abstract submissions and the assignment of reviewers.
- Registration Fees: Consideration of potential discounts for retirees and students.  
**Action Item:** Finance Committee to review and provide recommendations.

**2. SPE – OnePetro Update (Q2 2025 Royalty Funds)**

The situation regarding the bank fraud involving SPWLA royalty funds remains unresolved.

**Adjournment:**

A motion to adjourn the meeting was made by Vice President Publications, S. Mark Ma, and seconded by Vice President Information Technology, Peter Barrett.

**Meeting adjourned at 10:50 am.**

Respectively Submitted by  
Sharon Johnson  
Executive Director

**NEXT MEETING: November 14, 2025**

# Chapter News

## ARGENTINE STUDENT CHAPTER

### General News

Our chapter continues to develop activities focused on training, academic networking, and strengthening the geoscience community. Over the past months, several initiatives have been carried out to promote the exchange of knowledge between students, professors, and industry professionals.

### Recent Events

**9 September 2025—Symposium on Innovation in Geosciences and Energy (second in-person event):** We held our second in-person event in Buenos Aires. The event featured technical presentations and thematic sessions on formation evaluation, acoustic well-logging tools, geosteering, and sedimentological characterization of the Vaca Muerta play.

The agenda included:

- Welcome remarks by Ing. Jorge De Los Ríos
- Presentation by Dr. Luis Stinco on integrated flow in formation evaluation
- Talk by Dr. Gabriel Gallardo Giozza on acoustic well-logging tools
- ROGII session on geosteering fundamentals
- “Beyond the Rock: Sedimentological Characterization and Attributes of the Vaca Muerta play” by Agostina Martínez. Additionally, attendees had the opportunity to observe an exhibition of a Vaca Muerta rock sample, which complemented the discussions on reservoir characterization. Certificates of attendance were provided to all participants.

During the closing session, a special recognition was presented to Eng. Jorge De Los Ríos, who currently serves as the chapter mentor and has been involved since its early days, in appreciation of his continuous support, dedication, and commitment to the professional and academic development of students within the geoscience community.

The Chapter also extends its gratitude to the SPWLA Argentina Professional Chapter for sponsoring our coffee break and for their constant support and collaboration in our academic and networking activities.



Flyers to our second in-person event at Rogii, Buenos Aires.



President and Vice President with Luis Stinco.



President and Vice President with Gabriel Gallardo Giozza.



President and Vice President with Juan Manuel Otero.



Board of Directors and active members present at the second in-person event.



President and Vice President with Agostina Martinez.



All the people who attended the event.



Rosalia, one of our active members, taking care of the identifications.



Vaca Muerta Formation cores that Grupo LCV brought to the event.



Jorge, our first president, with his award.

**10 September 2025—Visit to ROGII Argentina:** Members of our chapter visited the offices of ROGII Argentina, where they had the opportunity to learn more about the company’s software solutions and ongoing projects. The visit included a demonstration of ROGII interpretation tools, discussions on the integration of geoscience workflows, and an exchange on the use of geosteering and collaborative cloud-based platforms in the energy industry. The activity strengthened the link between students and industry professionals, encouraging the practical application of geoscience concepts through innovative technologies.

**22–25 September 2025—International Conference Series: Applied Geosciences LATAM:** A new international conference series was launched as a collaborative initiative among several Latin American student chapters, creating a shared space for academic and professional exchange. Participating chapters included:

- **Argentina:** SPWLA Argentina Student Chapter
- **Chile:** Austral Student Chapter
- **Venezuela:** Universidad de Oriente – Núcleo de Monagas (SPE Student Chapter)
- **Perú:** AAPG UNI Student Chapter

The event featured presentations and discussions on applied geoscience topics, promoting collaboration and regional integration across Latin American chapters.



The board during our visit to Rogii, Buenos Aires.



Flyers to the Ciclo Internacional de Conferencias.

### CRONOGRAMA ARGENTINA

Miércoles 24 de Septiembre

**"Responsabilidad hidráulica. La cuestión del agua en Vaca Muerta"**

Pablo López  
Ingeniero químico UNLP

15:00 hrs (PER)  
16:00 hrs (VEN)  
17:00 hrs (CHI-ARG)

**"Clasificación de electrofacies: machine learning aplicado a registros de pozos"**

Axel Córdoba  
Geólogo UNCo y científico de datos

16:00 hrs (PER)  
17:00 hrs (VEN)  
18:00 hrs (CHI-ARG)

**"Interpretación de Imágenes de Pozo en Reservorios No Convencionales"**

Gabriel Bogarín  
Geólogo UBA, petrofísico

17:00 hrs (PER)  
18:00 hrs (VEN)  
19:00 hrs (CHI-ARG)

### CRONOGRAMA CHILE

Jueves 25 de septiembre

**"Caracterización del enriquecimiento en tierras raras del basamento subyacente al Depósito Modalo Penco, Región del Bio Bio, Chile"**

Macarena Leiva Bascur  
Geóloga UACH - PhD  
Student UC - Socia SEG

15:00 hrs (PER)  
16:00 hrs (VEN)  
17:00 hrs (CHI-ARG)

**"Aplicación de la geología a los procesos metalúrgicos"**

Marcela Oyarzun Uyevic  
Directora Corporativa de Geomining COBOLCO

15:45 hrs (PER)  
16:45 hrs (VEN)  
17:45 hrs (CHI-ARG)

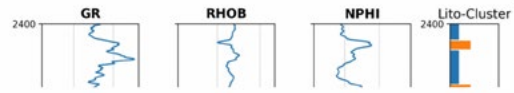
**"Nuevas tendencias en la exploración de yacimientos Ca: aplicaciones."**

Rodrigo Espinoza Reyes  
Geólogo de exploración en SBX consultores

16:30 hrs (PER)  
17:30 hrs (VEN)  
18:30 hrs (CHI-ARG)

Flyers to the "Ciclo Internacional de Conferencias."

## Machine Learning para clusterización

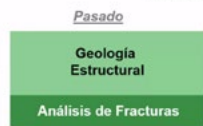


**3. NPHI (Neutron Porosity)**  
 ¿Qué mide?  
 La curva NPHI estima la porosidad basada en la cantidad de átomos de hidrógeno, principalmente en el agua de los poros.  
 Unidades: fracción (v/v) o por unidad decimal (0.2 = 20%)  
 Interpretación:  
 •NPHI Alta (2.0-4) → Alta porosidad o presencia de gas (aunque puede ser engañosa si hay gas).  
 •NPHI Baja (≤ 0.1) → Formación compacta, poca porosidad.  
 •Uso principal: Determinar porosidad efectiva; se debe comparar con RHOB para identificar gas o anomalías.

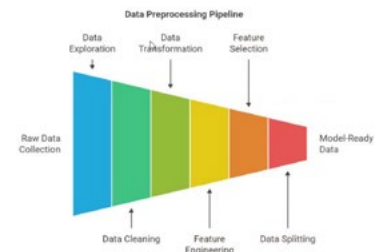
### SEDIMENTOLOGÍA (Reservorios)



### ESFUERZO/ DEFORMACIÓN



## Data Preprocessing

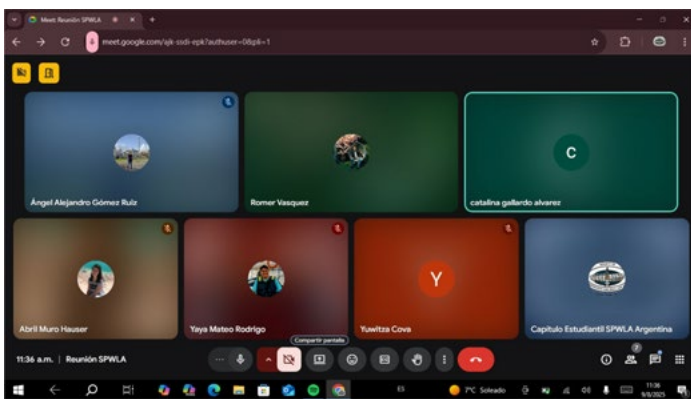


Axel during his talk.

**Universidad Nacional ARTURO JAURETCHÉ**

Abarca 4 provincias: Río Negro, Pampa, Neuquén y Mendoza.  
 Reservas estimadas totales: 27 millones de BEP.  
 Yacimientos destacados:  
 ➤ Loma Campana (YPF y Chevron): 47.9 millones de m<sup>3</sup>.  
 ➤ La Amarga Chica (YPF y Petronas): 39.7 millones de m<sup>3</sup>.  
 ➤ Bajada del Palo Oeste (Vista): 30.9 millones de m<sup>3</sup>.  
 ➤ Bandurria Sur (YPF, Equinor y Shell): 22.7 millones de m<sup>3</sup>.  
 ➤ Fortín de Piedra (Tecpetrol): 97.4 mil millones de m<sup>3</sup> de gas.  
 Estas cifras posicionan a Argentina como el segundo reservorio mundial de shale gas y el cuarto de shale oil.

Pablo during his talk.



One of the meetings that we had with other team members.

### Producibilidad de las Fracturas: Combinación c/Registro

### Tipos de Imagen (por Principio Físico)

**Wireline**

Resistivas, Ultrasónicas

**LWD (Logging While Drilling)**

Resistivas, GR, Densidad/PEF

Gabriel during his talk.

**October 2025—Webinar Series on Reservoir Simulation:**

In collaboration with GeoLatinas and the University of Magallanes (Chile), we organized a bilingual webinar series focused on reservoir simulation. The sessions included:

- “An Introduction to Reservoir Simulation” – Paul Glover (University of Leeds)
- “Open-Source Tools: OPM Flow – Opportunities and Limitations” – Markus Blatt and Antonella Ritorto
- “Production Analysis Assisted by Customized Type Curves” – Martín Verdugo Dobronic
- “SimRev: Exploring Multifunctionality in Reservoirs for the Energy Transition in Magallanes” – Daniela Navarro Pérez, Diego Cepeda Mansilla, and Sergio Pollak Mayorga (University of Magallanes)

The series provided students and young professionals with both theoretical insights and practical approaches to reservoir simulation in current industry settings.



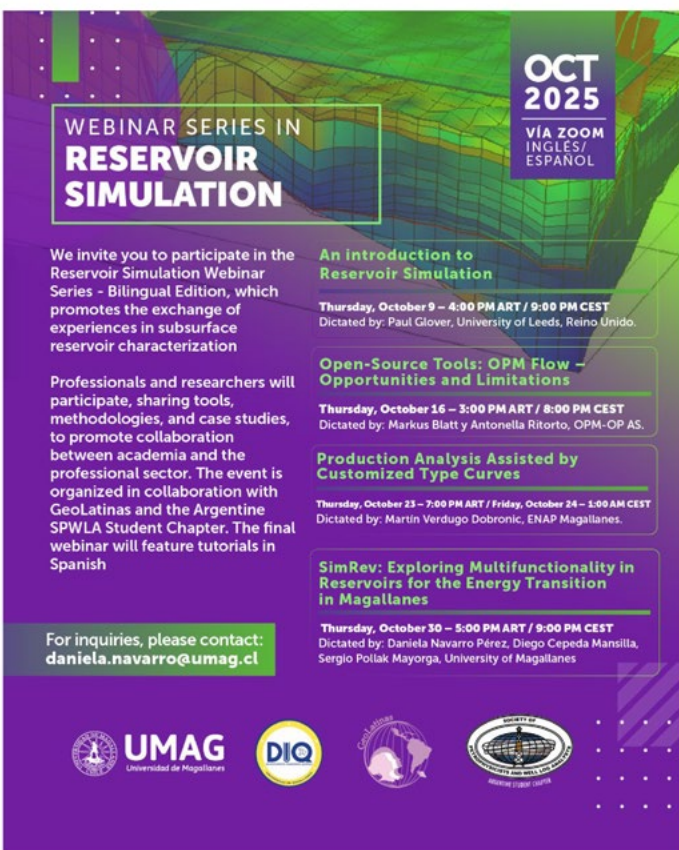
“Ciclo de Webinar en Simulación en Reservorios.”

**8–11 October 2025—AOG Argentina Oil & Gas Expo 2025:**

Members of our Chapter attended the AOG Argentina Oil & Gas Expo 2025, representing the SPWLA Argentine Student Chapter. This participation allowed us to engage with professionals, companies, and fellow student chapters, strengthening our network and promoting the initiatives led by our chapter. The event also provided an excellent platform to learn about new technologies and industry perspectives.



Board of directors and active members present at the XV Argentina Oil & Gas Expo 2025.



Pictured here listening to talks.



Here we can see some speakers showing us some maps of the Vaca Muerta Formation.

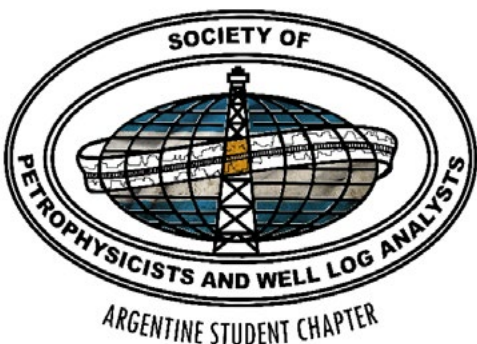
### Upcoming Events

As the year draws to a close, the chapter is preparing to share the latest news and activities for 2025. In the coming weeks, we will continue to manage software licenses for planned courses and workshops and plan new training sessions.

We will also continue to strengthen communication with other chapters and professionals, with the aim of maintaining joint work and continuing to create spaces for learning and meeting.

### To learn more about us:

- \* **Mail:** [spwla.arg.sc@gmail.com](mailto:spwla.arg.sc@gmail.com)
- \* **LinkedIn:** [www.linkedin.com/in/spwla-argentine-student-chapter](https://www.linkedin.com/in/spwla-argentine-student-chapter)
- \* **Instagram:** <https://www.instagram.com/spwlaarg/>



## ASET SIG

The year 2025 continues to be an active year for the ASET SIG, and we are excited to share details of our next major event, along with a brief roundup of recent highlights.

### Upcoming Events

**4 November 2025—ASET SIG Online Workshop Geomechanics in the Energy Transition:** From 9 am to 12 pm GMT, this half-day workshop brings together four expert speakers to explore the role of geomechanics in subsurface energy transition projects. From geothermal development to CCS fault integrity, each session will offer practical insights and real-world case studies.

### Speakers and Talks

**Dr. Irene Wallis, Cubic Earth Ltd**

**Talk:** “Geomechanics for Conventional Geothermal Resource Development”

**Frans Mulders, Geoactive**

**Talk:** “Effects of Injection Pressure and Temperature on Fault Integrity”

**Prof. Adriana Paluszny, Imperial College London**

**Talk:** “The Role of Subsurface Geomechanics in the Green Energy Transition”

**Tim Wynn, TRACS**

**Talk:** “Geomechanics Considerations for UKCS CCS Projects”

We encourage all SPWLA members working in CCS, geothermal, hydrogen storage, and other subsurface energy transition initiatives to attend. Whether you are a geomechanics specialist or simply looking to expand your understanding, this workshop will offer valuable perspectives.

### SPWLA ASET SIG Geomechanics in the Energy Transition Online Workshop

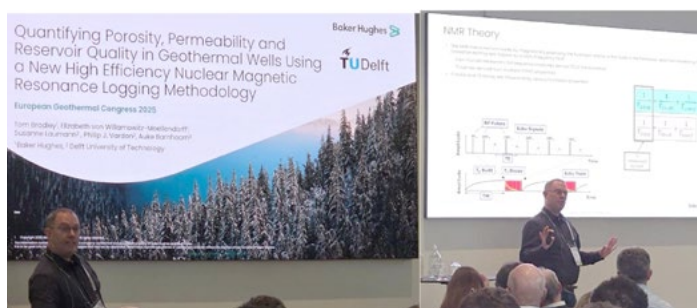
#### 2025 Activity Summary:

- **ASET SIG SPWLA SYMPOSIUM 1-Day Workshop:** “Petrophysics in the Energy Transition”  
Presenters Gerold Tischler, Tom Bradley, and Robert Laronga
- **ASET SIG Webinar No. 1:** “Unlocking New Energy Frontiers: How Oil and Gas Expertise Catalyzes Geothermal Development”  
Presenter Katerina Yared

- **ASET SIG Webinar No. 2:** “Petrophysical Challenges in the CCS World – Monitoring in Quest”  
Presenter Irma Eggenkamp (Shell)

### Board Spotlight

In other news, ASET SIG board member Tom Bradley gave a talk at EGC 2025 in Zurich titled “Quantifying Porosity, Permeability and Reservoir Quality in Geothermal Wells Using a New High Efficiency Nuclear Magnetic Resonance Logging Methodology.”



It's all about first principles. Tom Bradley, at EGC 2025 in Zurich, discussing NMR theory.

If you or your organization are working on operator-led energy transition projects—whether in CCS, geothermal, natural hydrogen, or subsurface storage—we would love to hear from you.

Sharing real-world case studies helps us showcase the critical role petrophysics plays in these evolving domains.

Reach out to us at [aset\\_sig@spwla.org](mailto:aset_sig@spwla.org) to get involved.

Thank you to all our speakers, board members, and attendees for your continued support and engagement. We look forward to seeing many of you at the upcoming workshop!

## BANGKOK CHAPTER

### General News

The Bangkok Chapter of SPWLA holds meetings most months. The meetings are held on the fourth Thursday of each month, starting at 5 pm with a networking session with food and drinks, followed by a technical presentation at 6:15 pm. There is no charge to attend, but we do ask that you register in advance so that we can tell the hotel how many people are expected.

### 2025 Bangkok Chapter Committee Members

<b>Chapter President</b>	Andrew Cox
<b>Technical Coordinator</b>	Ryan Banas
<b>Sponsorship</b>	Marvin Rourke
<b>Secretary</b>	Ronald Ford
<b>Treasurer</b>	Nipista Pongpanit
<b>Web Coordinator</b>	Alex Beviss
<b>Corporate Liaison</b>	Rinlita Lertkornteeranan
<b>Student Liaison</b>	OPEN

**Website:** [https://www.spwla.org/SPWLA/Chapters\\_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx](https://www.spwla.org/SPWLA/Chapters_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx)

**Email:** [bangkok.chapter@spwla.org](mailto:bangkok.chapter@spwla.org)

### Recent Events

**September 2025—No meeting this month**

**30 October 2025—“An Investigation of the Impact of Geological Heterogeneity on CO<sub>2</sub> Dissolution and Convective From a Practical Example”** was presented by **Sirirat Subsakul** (PTTEP geologist). Khun Sirirat provided an insightful presentation detailing how the depositional heterogeneity impacts the dissolution, convective mixing, and pluming of CO<sub>2</sub>. Using this information, the reservoir model can provide guidance for CCUS project design. Geological storage of carbon dioxide (CO<sub>2</sub>) in saline aquifers is a vital strategy for achieving long-term carbon neutrality and for reducing greenhouse gas emissions. Khun Sirirat’s study was based on work from her master’s thesis at Heriot-Watt University, studying CCUS in the Southern North Sea and onshore UK. SPWLA Bangkok would like to thank Khun Sirirat for taking the time to present. We would also like to thank PTTEP for allowing Khun Sirirat to share this presentation.



Sirirat Subsakul (PTTEP geologist).



Please check our local website for the latest information on events and activities for the Bangkok Chapter on the SPWLA main page:

[https://www.spwla.org/SPWLA/Chapters\\_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx](https://www.spwla.org/SPWLA/Chapters_SIGs/Chapters/Asia/Bangkok/Bangkok.aspx)

or visit us on [LinkedIn](#) (SPWLA Bangkok Chapter)

## BOREHOLE IMAGING (BHI) SIG

### General News

The BHI SIG has significantly grown in size and now has over 500 members.

### Upcoming Events

The SPWLA BHI SIG has teamed up with the London Petrophysics Society to host a one-day workshop on “Everything Borehole Imaging.” As a SIG, we hope to not only have a significant presence from the SIG board there. We will also be submitting some abstracts to answer some of the questions we have received that relate to what tools should be used when. This is also an opportunity to ask us about processing, quality control (QC), and anything else that comes to mind. We are hoping that this workshop event can be a useful precursor to our BHI Workshop at the SPWLA symposium in May. In London, we will cover many of the basics to give the May workshop more focus on analysis. We encourage everyone to submit abstracts to Martin ([martin@petromac.co.nz](mailto:martin@petromac.co.nz)) for the December event.

For our next SIG online workshop, the topic will be “Sedimentological Analysis Using Borehole Images.” We need to confirm a date, but it will be sometime in the new year and in a European-friendly time slot.

## DALLAS CHAPTER

### Recent Events

**25 September 2025**—The Dallas Chapter of SPWLA hosted its monthly technical luncheon featuring Dr. Saeed Salehi (Herman Brown Endowed Chair at Southern

Methodist University (SMU)). Dr. Salehi presented an engaging talk titled “From Hydrocarbon Wells to Watts: Deploying Geothermal Energy at Scale.” His presentation highlighted an ongoing US Department of Energy (DOE)-sponsored project with the energy industry focused on repurposing retired oil and gas wells for renewable geothermal energy production. Dr. Salehi’s work bridges traditional hydrocarbon expertise with new energy applications, contributing to a sustainable energy transition while leveraging existing infrastructure. The focal point of his presentation was the Tuttle Geothermal Project in Tuttle, Oklahoma—a University of Oklahoma-led initiative supported by DOE, Blue Cedar Energy, and Baker Hughes. The project converts inactive wells into geothermal systems that provide heating to local schools and homes, representing the first permit in Oklahoma for this type of geothermal conversion. Dr. Salehi discussed the project’s technical, economic, and environmental assessments, including life cycle analyses and advanced LiAISON modeling to evaluate potential carbon reductions. Attendees gained insight into how this innovative approach supports US goals for a carbon-free grid by 2035 while creating opportunities for the oil and gas workforce to contribute to the clean energy transition. The Dallas SPWLA Chapter thanks Dr. Salehi for his informative presentation and all attendees for their continued engagement in advancing energy knowledge and innovation. Additional information about the Tuttle Geothermal Project can be found at: <https://www.osti.gov/servlets/purl/2341266>.



**Everything Borehole Imaging**  
 Thursday 11<sup>th</sup> December 2025  
 The Geological Society, Burlington House, London

Call for Abstracts  
Submission Deadline: Thursday 13<sup>th</sup> November 2025

On Thursday 11<sup>th</sup> December the London Petrophysics Society will be holding a seminar themed on “Everything Borehole Imaging”

It will consist of a series of talks presented in parallel at the Geological Society, each lasting around 30 minutes with some time for audience questions.

Abstracts should include topics relating to:

- Petrophysical and fracture analysis using borehole images
- Geomechanical analysis from the combination of image fractures, rock mechanics and borehole stresses
- General Borehole Image tool theory
- Looking beyond the wellbore: structural and stratigraphic interpretation
- Integrated service analysis from borehole image logs and open-hole data
- Application of machine learning and multi-physics approaches to borehole imaging data.
- Role of Borehole Imaging in CCS and geothermal technologies or nonfields
- Novel applications and new technological developments in Borehole Imaging

This is a Call for Abstracts for presentations from Energy Companies, Service Companies, Independent Consultants, Academia and other interested parties.

Abstracts should be one page of A4 including an illustration with speaker bio, submitted in Word Document format.

Please send your abstracts to [Martin.Salehi@petromac.co.nz](mailto:Martin.Salehi@petromac.co.nz), or any member of the LPS Committee, by Thursday 13<sup>th</sup> November 2025.

£150 for delegates (Speakers exempt)  
 (LPS is not VAT registered)  
 Students can register for free  
 Includes lunch and post seminar wine and biscuits  
 Check open or close

For more info about this event please visit [www.lps.org.uk/events/](http://www.lps.org.uk/events/)



Dr. Saeed Salehi, SMU Herman Brown Endowed Chair in Engineering and Professor of Mechanical and Civil Engineering.



Dr. Saeed Salehi (L) and Dallas Chapter President Behzad Ghanbarian (R).



Dr. Saeed Salehi (L) receiving the Dallas Chapter speaker award from Jim Lewis, Dallas Chapter publicist.

### 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 meeting information, please visit our chapter website at [www.fesmkl.com](http://www.fesmkl.com).

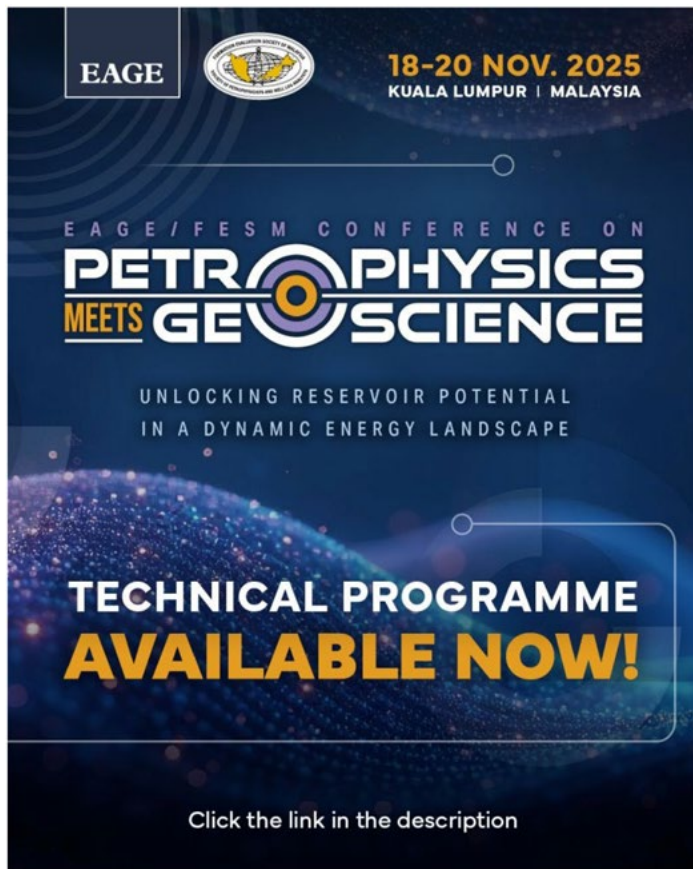
#### Recent Events

**21 August 2025**—We had the pleasure of hosting a session on “Pore System Evaluation of a Basaltic Reservoir by Comprehensive Laboratory Analyses” by Testsuya Yamamoto. The session discussed the characterization of the metamorphosed basaltic reservoir, dominated by paramagnetic minerals, with nanopores ( $< 1 \mu\text{m}$ ) that

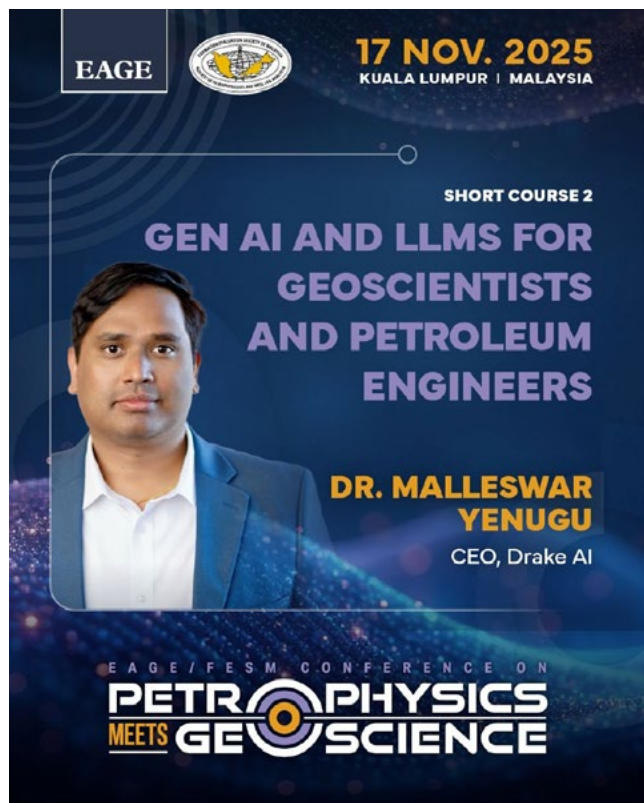
control most of the porosity and matrix permeability (0.1 to 1 md). The talk also discussed results from NMR, MICP, and  $\mu\text{XCT}$  analyses showing that magnetic effects cause lower apparent NMR porosity compared to helium porosity, while microfractures locally enhance permeability up to the Darcy range. Overall, the reservoir is classified as a tight system, and the findings indicate the need to review and optimize the current stimulation strategy.

#### Upcoming Events

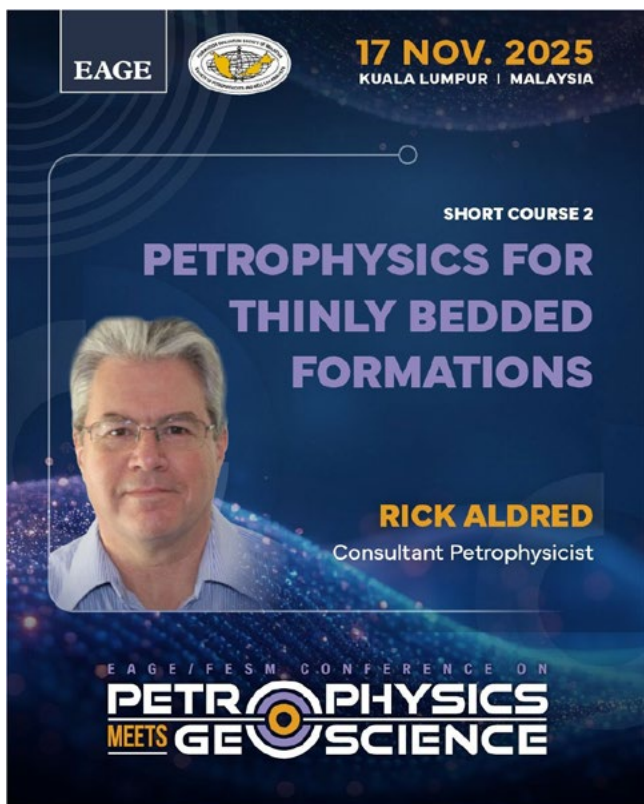
**18–20 November 2025**—Committee is preparing for the **EAGE/FESM Conference** in Kuala Lumpur. The conference will include paper presentations and masterclass technical sessions by Dr. Malleswar Yenugu (CEO, Drake AI) on “Gen AI and LLMs for Geoscientists and Petroleum Engineers” and Rick Aldred (consultant petrophysicist) on “Thin Bed Formations.” Both courses are still open for registration. Below is the poster for the conference and masterclass sessions.



Information on the FESM/EAGE event.



Technical Session No. 1 by Dr. Malleswar Yenugu.



Technical Session No. 2 by Rick Aldred.

## FRANCE CHAPTER

### General News

September was a month rich in knowledge sharing and networking for SPWLA France. Through our joint efforts with academia, industry, and partner societies, we continued to foster collaboration and promote excellence in petrophysics and rock physics across France.

This quarter was also marked by successful collaborative networking activities with the EAGE and SPE France chapters, strengthening connections across professional communities. We were also honored to welcome Pascal Debec, SPWLA Europe Regional Director, whose visit highlighted the importance of maintaining strong communication and cooperation among the European chapters.

### Recent Events

The third quarter of 2025 was marked by a strong focus on advancing knowledge in core analysis.

**September 2025**—A Technical Workshop was held on “Laboratory Petrophysics and Rock Physics: New Challenges at All Scales.” SPWLA France hosted a highly engaging workshop focused on core analysis, bringing together researchers and industry experts to discuss cutting-edge experimental studies in carbonate dissolution, acoustic response, and shale elastic properties—all critical for advancing CO<sub>2</sub> storage, seismic interpretation, and reservoir characterization.



Attendees and presenters of the SPWLA France “Core Analysis” workshop organized at the Société Géologique de France (SGF) in Paris on September 19.

Presentations included:

- Matthieu Mascle (IFPEN) – “The Role of Limestone Microporosity on Dissolution Patterns During Reactive Transport With Carbonated Water”
- Théo Briolet (École Normale Supérieure) – “Acoustic Response Associated With Dissolution Patterns Observed in Carbonate Rocks”
- Pascal Debec (TotalEnergies) – “How the Presence of Karsts Changes Seismic Velocities: Combining Digital and Physical Experimentation”
- Samuel Chapman (École Normale Supérieure) – “Frequency-Dependent Elastic Properties of Partially Saturated Tournemire Shale”



Presenters of the SPWLA France “Core Analysis” workshop organized at the Société Géologique de France (SGF) in Paris on September 19. Samuel Chapman (top left), Pascal Debec, SPWLA Europe Regional Director (top right), Matthieu Mascle (bottom left), and Théo Briolet (bottom right).

The workshop concluded with a guided visit led by Jérôme Fortin to the Laboratoire de Géologie at École Normale Supérieure (ENS), where participants explored advanced experimental facilities used for studying rock physics and reactive transport. This visit provided valuable insight into the state-of-the-art experimental methods driving progress in petrophysical research.

A warm thank-you to all presenters for their expertise and outstanding contributions to the event.

**September 2025—Networking Evening:** SPWLA France successfully hosted its first joint Networking Evening in collaboration with SPE France and the EAGE Local Chapter Paris. The elegant ambience of La Démocratie restaurant provided the perfect setting for professionals to reconnect, share ideas, and strengthen ties across the geoscience and engineering community. The evening opened with welcoming remarks and introductions from each society’s president, who shared their missions, encouraged new memberships, and highlighted exciting initiatives on the horizon. The highlight of the evening was the captivating presentation by Martin G. Lüling titled “The Historic Origins of Oil Production.” His talk took participants on an engaging journey through the evolution of the oil and gas industry—from the earliest global exploration efforts to the first drilling operations in Pechelbronn, Alsace, in 1813—the birthplace of oil production in France. The historical perspective offered by Martin added depth and context to our shared passion for energy and subsurface sciences. The event concluded on a high note, with enthusiastic discussions and the promise of future collaborations among members of SPWLA, SPE, and EAGE.



Attendees and presenters of the joint event organized by SPWLA France, EAGE, and SPE on September 18 at La Démocratie restaurant.



Martin G. Lüling presented “The Historic Origins of Oil Production” on September 18, 2025.



Networking event organized by SPWLA France, EAGE, and SPE on September 18 at La Démocratie restaurant.

**24 October 2025 –Technical Talk Webinar** on “Optimized Gel Permeation Chromatography Configuration for Characterizing Fluid Properties from Drill Cutting Extracts.” The speaker is Gulnar Yerkinzy (principal subsurface engineer, Equinor).

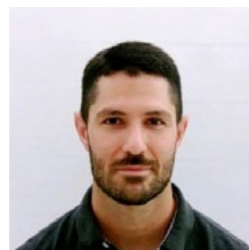


Gulnar Yerkinzy

**Upcoming Events**

As we close the chapter on core analysis, SPWLA France is preparing an exciting fourth quarter program dedicated to surface logging technologies, including topics such as mudlogging, noble gas geochemistry, digitalization, and data applications.

**21 November 2025—SPWLA Global Distinguished Speaker (from 2025–2026 Series) Webinar** on “Advanced Reservoir Characterization Using Drill-Cuttings-Based Advanced Image Analysis, Elemental Analysis, and AI Algorithms: A Case Study of the Orgánico Inferior and Cocina Members, Vaca Muerta Formation, Neuquén Basin, Argentina.” The presenter is Dr. Agustin Kriscautzky (subsurface geoscience specialist, GEOLOG).



Dr. Agustin Kriscautzky

**5 December 2025—Technical Workshop on Mudlogging:** A one-day, in-person session at SRPC–SLB Clamart, focusing on technological advancements, workflows, and applications in mudlogging. For more information and event registration, please visit:

**LinkedIn:** <https://www.linkedin.com/company/spwla-france-chapter/>

**Website:** <https://spwla-france.fr/events/>

**HOUSTON CHAPTER**

Time flies! We’re already in Q4 of the year 2025, and fall is around the corner. The year so far, and especially the months since the last newsletter, have been extremely busy, hectic even, and filled with uncertainty for many. The world as we once knew it is no more; change is inevitable (as the saying goes). The same is true for our industry, for our discipline(s). Developments in AI are happening at lightspeed, and many companies are embracing the technology as we all should. AI is not a substitute for knowledge and experience, but a great tool to do more, better, and faster (for those old enough to remember, sounds like *The \$6 Million Man*, no?).

Speaking of changes, we are very fortunate to have Andrew Hind join our board as VP Downtown (look for his bio on our homepage <https://spwla-houston.org/who-we-are.php>).

**2024-2026 Executive Board**



Ron JM Bonnie  
President



Ali Eghbali  
VP Northside



Andrew Hind  
VP Downtown



QinShan Yang  
VP Westside



Ronke Olutola  
Secretary



Zeyad Ramadan  
Treasurer



Tianmin Jiang  
Webmaster



Muhammad N Khan  
Editor

Several exciting events on the horizon:

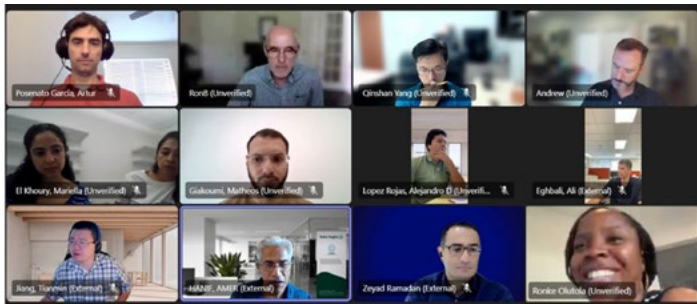
- As I'm writing this message, we're hours away from the deadline to submit abstracts for the 2026 Annual Symposium in Conroe. I hope you got yours in!
- On the heels of the SPE ATCE 2025 Conference & Exhibition, the SPWLA NMR Special Interest Group is Reaching Full Polarization in an NMR Conference to be held at the Halliburton Campus in Houston. There is still time to register; check for details under Future Events, below.
- The 2025 SPWLA Houston Chapter Technology Show is a go and will be held on December 5, 2025, also at the Halliburton Campus in Houston (thank you, SPWLA President Bob Gales). Take advantage of early bird pricing (**expires November 5**). Details under Future Events and on the Chapter's webpage (<https://www.spwla-houston.org/event-detail.php?id=18>).
- Finishing with a shout-out to the 25–26 Board of The University of Texas at Austin, Student Chapter, who joined us for our September board meeting for introductions and strengthening existing ties. Also in attendance were international board members Artur Posenato (VP Technology-Elect) and Amer Hanif (Regional Director, North America I).

**Recent Events – Networking Meetings**

Our August 28 networking event was very well attended with several international guests, who were in town for a weeklong training at their corporate headquarters. This made for a very lively and varied conversation. Attendance on September 25 was no less, and again, great discussions on a wide variety of topics, not all in the petrophysical domain.

Anyone is welcome to join us for an evening of networking, conversations, and community! Whether you're a petrophysicist, geologist, geophysicist, engineer, or manager, this is a fantastic opportunity to connect with fellow professionals in a relaxed setting. No RSVP needed—just show up and mingle at your leisure.

The last opportunity for 2025 to rub shoulders with fellow petrophysicists was held on October 23. We look forward to seeing everyone again in 2026!



SPWLA Houston Chapter Networking Meeting, August 28, 2025.

**Sponsors and Friends of the Houston Chapter**



SPWLA Houston Chapter Networking Meeting, September 25, 2025.

**14 August 2025—Westside Technical Seminar & Lunch**

“Asphaltene Clustering in A Black Oil Column Driven by Gas Addition, Explained via History Matching of Reservoir Charge”  
By Dr. Tarek S. Mohamed (SLB)

**Abstract**

A tilted-sheet, well-connected reservoir in the deepwater Gulf of Mexico/America exhibits bimodal and complex fluid distributions. The acquired measurements of methane isotope, asphaltene concentration, and solution gas-oil ratio (GOR) indicate a diffusional gradient of solution gas and lack of equilibrium in the top half of the oil column, whereas the bottom half of the oil column shows quasi-equilibrium and well-mixed oil. This startling distribution gives rise to an asphaltene clustering trend in the bottom half of the oil column, leading to large oil viscosity and asphaltene gradients toward the base of the oil column. Our objective is to model the fluid mixing dynamics, over geologic time, of separate gas and oil charges and the impact of a significant GOR increase on asphaltene spatial distributions. For the first time, we simultaneously model the development and dynamics of both asphaltene and GOR distributions over geologic time, leading to present-day, bimodal measured fluid realizations. Geochemical evaluation of acquired fluid samples shows a significant amount of biogenic gas throughout the entire oil column, where methane isotopes indicate that 50% of the solution gas in the bottom half of the oil column is biogenic, and where the biogenic gas fraction increases at the top half of the column. Furthermore, GOR measurements indicate significant variations in solution gas at the top half of the column, increasing by 6,000 scf/bbl over 130 ft of height. This gradient is successfully matched with the diffusion equation. On the other hand, the lower half of the column shows a small GOR gradient that is matched locally with the cubic equation of state (EoS). Asphaltene concentrations respond to the high GOR in the top half of the column as asphaltenes are expelled with great efficiency toward the bottom half of the column, forming asphaltene clusters. Asphaltene clusters remain due to both increased asphaltene concentration and increased solution gas.

This process gives rise to a light-oil gradient of the asphaltenes in the top half, and a heavy-oil clustering gradient of asphaltenes in the bottom half of the column. Both gradients are not expected in a black-oil reservoir and are matched with the corresponding models of the Flory-Huggins-Zuo equation of state (FHZ EoS). The puzzling fluid distributions are explained and replicated by forward modeling of fluid mixing dynamic processes over geologic time: history matching of

reservoir charge. Compositional reservoir simulation is used to model the addition of methane through a point source into an oil-saturated reservoir, resulting in the development of present-day GOR and asphaltene measurements.

**Biography**

Tarek S. Mohamed (SLB) is an interpretation development engineer and an interdisciplinary subsurface scientist at SLB, working on various projects spanning reservoir engineering, petrophysics, and geophysics. He co-leads the development of the new direction of forward modeling reservoir fluid geodynamics (RFG) processes over geologic time using reservoir simulation, and history-matching reservoir charge as a new way to predict fluid spatial compositional distributions in untapped regions. Dr. Mohamed coauthored over 20 technical papers accepted by several organizations, including SPWLA, SPE, SEG, AAPG, and ACS, and published in peer-reviewed journals or presented at major energy conferences. His expertise includes reservoir numerical modeling and simulation, petrophysics and formation evaluation, data science and machine learning, reservoir characterization, and well-test analysis. He holds a PhD in petroleum engineering

from The University of Texas at Austin, an MS in petroleum engineering and a graduate certificate in data science and analytics from the University of Oklahoma, and a BS in petroleum engineering from Suez University. He received several technical awards and recognitions, including the 2025 SPWLA Young Professional Technical Achievement Award, as well as being selected as an SPWLA Global Distinguished Speaker for 2023–2024 and an SPWLA Regional Distinguished Speaker for North America for 2024–2025

### 28 August 2025—Northside Technical Seminar & Lunch

“NMR Study of Permeability and Kerogen in Organic-Rich Chalk”

By: Dr. Philip Singer (Rice University)

#### Abstract

NMR relaxation and diffusion are exceptional techniques for studying the petrophysics of unconventional formations. In this talk, I present some unique petrophysical insights into Type II-S (i.e., marine origin with high organic-sulfur content) organic-rich chalk, including:

(a) Micropore/macropore size and tortuosity anisotropy from restricted diffusion obtained from  $D$ - $T_2$  maps at 2.3 MHz, permeability and permeability anisotropy from the Carman-Kozeny model, and insights into paleo-deposition cycles in the late Cretaceous.

(b) Quantification of solids (kerogen, bitumen, clay hydroxyls) and liquids (pore fluids, fluids dissolved in kerogen, clay bound water) using  $T_1$ - $T_2$  maps with solid-echo at 20 MHz, integration with RockEval data, H/C ratio of kerogen, kerogen swelling ratio, and kerogen nanopore size, all as a function of thermal maturity (i.e., depth).



#### Biography

Dr. Philip Singer is an assistant research professor at the Department of Chemical and Biomolecular Engineering, Rice University in Houston, Texas. He joined Rice University in 2015 as a research scientist in the Hirasaki group, then became a faculty member in 2021. He received his master’s degree in physics from the University of Oxford in 1997 and earned his doctorate in physics from the Massachusetts Institute of Technology in 2003. He completed his post-doctoral research at the Université Paris-Sud in 2005, after which he worked for 10 years as a research scientist at SLB. His areas of interest are NMR in porous media, hydrogen geostorage, carbon dioxide utilization/geostorage, MD simulations, MRI contrast agents, and NMR in quantum materials.

### 11 September 2025—Westside Technical Seminar & Lunch

“Automated Anomaly Detection of Multimetallic Tubulars in Well Integrity Logs Using Signal Mode Decomposition and Physics-Informed Decision Making”

By Ze Wang (GOWell)

#### Abstract

Anomaly detection using well integrity logs is crucial for multimetallic tubular wells, as it helps save operators from costly repairs and potential well abandonment. However, features such as collars and artifacts often obscure the signals of outer pipes, making anomaly interpretation particularly challenging. To address this issue, an automated anomaly detection method has been developed that effectively separates collars and corrosion signals from complex log results. This approach significantly enhances analysis accuracy and efficiency in wells with multiple tubulars, up to five layers. The anomaly detection method utilizes casedhole logging images obtained from a pulsed eddy current electromagnetic tool as input. It outputs the location information of collars and anomalies, respectively. The method comprises two steps—



signal mode decomposition and the decision-making process. A novel approach, hierarchical multiresolution variational mode decomposition (HMVMD), is introduced to extract both anomaly-related and collar-related signals by decomposing the input into a set of frequency-based modes. The decision-making phase employs a decision tree designed based on Bayes' theorem, with the process simplified by Markovian modeling. Prior knowledge of casedhole completion is incorporated into the design to further refine results. Field trials in operational wells have been conducted to evaluate the proposed method. By distinguishing the thickness-related signal from raw data, previously obscured anomalies became interpretable. The method excels at denoising the data, effectively reducing noise interference by enhancing the signal-to-noise ratio (SNR) up to 29 dB. It saves 90% of the time that log analysts spend manually differentiating collars, traditionally requiring several hours, thereby significantly optimizing the interpretation efficiency. In a five-pipe scenario, the results demonstrate detection accuracy rates of approximately 99% for the inner three pipes. It maintains accuracy rates over 90% and 75% on the fourth and fifth pipes, respectively, where the SNR is low, and the outer-pipe signal is masked by the inner layers. In addition, it maintains high accuracy under complex well scenarios, such as those involving completion equipment and eccentricity. This new approach offers interpretation specialists an efficient and accurate anomaly analysis tool for multimetallic tubulars.



**Biography**

Ze Wang is a research scientist at GOWell, specializing in casedhole well integrity and production logging. His research interests include algorithm development, data-driven solutions, signal processing, and numerical simulation for oil and gas applications. He also has research experience in unconventional reservoirs and carbon utilization and storage. Dr. Wang previously worked as a post-doctoral scholar at the University of Science and Technology, USA. He holds PhD and MS degrees in petroleum engineering from the University of Science and Technology and a BS degree in petroleum engineering from China University of Petroleum, China

**Thursday, September 25th, 2025—Northside Technical Seminar & Lunch**

“Development and Baseline Comparison of a New Pulsed-Neutron Spectroscopy Tool For Carbon-Oxygen Analysis and Three-Phase Saturation Monitoring”

By: Dr. Toyli Anniyev (Baker Hughes)

**Abstract**

A new slim multidetector pulsed-neutron wireline logging tool has been developed for openhole or casedhole formation evaluation saturation analysis and time-lapse monitoring. With a greater neutron source output and high-spectral resolution gamma ray detectors, the tool can be operated with reduced uncertainty or faster logging speeds. New fully programmable digital electronics provide a range of acquisition modes optimized for specific formation evaluation objectives.





### Biography

Dr. Toyli Anniyev is nuclear domain lead in Completions, Intervention and Measurement, Engineering and Technology group, based in Houston, Texas. He joined Baker Hughes in 2011 as a research scientist. His interests include neutron generators, gamma ray and neutron detection techniques, nuclear tool design, signal processing, and algorithm development. He received his MS degree from Moscow Institute of Physics and Technology and his PhD degree from Stanford University, both in physics. He has coauthored more than 20 research publications and holds more than 10 patents.

### 10 October 2025—Westside Technical Seminar & Lunch

“On the Utility of the Shear Modulus in Rock Physics Model Development: Robust Workflows for Compressible High Porosity Siliciclastic Reservoirs”

By Mark Kittridge (OXY)

### Abstract

We describe a novel workflow for rock physics model development in high-porosity (compressible) reservoir sands where seismic data are frequently used to identify reservoir presence, infer fluid type(s), and monitor dynamic (4D) reservoir behavior. We apply a stress-dependent model that yields robust dry-rock moduli that are consistent with the mineral-based grain Poisson’s ratio. The workflow is data-driven and model-based and relies on the shear modulus for

fluid-independent model calibration, enabling a wide range of well-based interpretive workflows. Core data, including representative analog measurements, provide independent model calibration when available. We highlight applications using high-quality Gulf of America well data, including model calibration, stress-dependent elastic properties, well-based rock physics close-the-loop (CtL), and show a clear example of time-lapse invasion affecting wellbore acoustic log data.



### Biography

Mark is a petroleum engineer with over 37 years of experience in petrophysics and geophysics, delivering innovative, technically rigorous reservoir characterization solutions across the E&P life cycle. With emphasis on multiscale and multiphysics integration, he applies a data-driven and model-based approach to inform improved decision making in a complex 3D subsurface. He is recognized industry and company expert in rock and fluid physics for robust geophysical seismic attribute interpretation, responsible for the development of methods and workflows deployed globally. His career includes relevant project work from five continents and professional experience, including well operations, integrated reservoir studies, enhanced oil recovery, and physics of rocks for conventional (clastic, carbonate) and unconventional reservoirs. He is currently principal and manager of QI Geophysics at Oxy. Mark earned an MSc in petroleum engineering (The University of Texas at Austin) in 1988 and a BSc and professional degrees in geological engineering (Colorado School of Mines) in 1986.



**23–24 October 2025—The 2025 NMR SIG Conference** took place. More details to follow in the next newsletter. The program is listed below.



**Reaching Full Polarization in an NMR Conference**

REMINDER! Please no photos, videos, or any recordings of the technical content of this event throughout its duration. Thank you!!

Start	Session	Title	Presenting Author
<b>Day 1, October 23, 2025</b>			
8:00 AM		<b>BREAKFAST (Provided on site) and NETWORKING</b>	
9:00 AM		<b>Introduction and HSE Moment Ron Bonnie &amp; Ron Ballet</b>	
9:15 AM		<b>Invocation: Bob Gales, SPWLA President</b>	
			<b>Affiliation (#)</b>
9:30 AM	1a	NMR Study of Kerogen in Organic-Rich Chalk	Philip Singer <sup>1</sup>
9:50 AM	1b	NMR While Drilling: Overcoming Motion and Bandwidth Constraints via Proxy-Based Compression	Pierre Aesens <sup>2</sup>
10:10 AM	1c	Multidimensional Nuclear Magnetic Resonance Sensitivity Analysis	Nate Bachman <sup>3</sup>
10:30 AM		<b>BREAK 1 Morning</b>	
11:00 AM	2a	Effect of CO <sub>2</sub> Chemical Reaction on Rock Pore Surface Morphology – A Laboratory Study	Gabriela Singer <sup>2</sup>
11:20 AM	2b	Using NMR and Triaxial-Induction Measurements for Well-Log Analysis of Anisotropic Shaly Sands	Ali Eghbasi <sup>4</sup>
11:40 AM	2c	Practical Implementation of Sodium-23-NMR in Laboratory Core Analysis	Harry Xie <sup>5</sup>
12:00 PM		<b>LUNCH (PROVIDED ON SITE)</b>	
1:00 PM		<b>KEYNOTE PRESENTATION: SRIBAM SRINIVASAN</b>	
1:30 PM	3a	Eliminating First Echo Transient from CPMG in Inhomogeneous Magnetic Fields	Shin Utsuzawa <sup>6</sup>
1:50 PM	3b	Fast NMR Logging for Geothermal Wells	Tom Bradley <sup>7</sup>
2:10 PM	3c	Practical Applications for NMR Core Analysis	Mike Dick <sup>8</sup>
2:30 PM		<b>BREAK 2 AFTERNOON</b>	
3:00 PM	4a	High-Throughput Whole Core HSR-NMR Scanner	Jin-Hong Chen <sup>9</sup>
3:20 PM	4b	Resolving Heavy Oil Signatures in Clastic Reservoirs using BSS and AI-Driven Synthetic Modeling	Pedro Romero <sup>10</sup>
3:40 PM	4c	Integrating Acoustic PAR and NMR Rock Typing to Evaluate Dolomitization Effects on Carbonate Reservoir Quality	Zeyad Ramadan <sup>11</sup>
4:00 PM		<b>BREAK 3 AFTERNOON</b>	
4:30 PM		<b>Group Discussion – Questions and Comments</b>	
5:15 PM		<b>NON-SPONSORED DINNER with SPWLA Houston Chapter Social</b>	
		<b>5pm – 8:30pm, Location Cedar Creek Bar &amp; Grill</b>	
		<b>1034 W. 20<sup>th</sup> St., Houston, TX. 77008</b>	
<b>Day 2, October 24, 2025</b>			
8:00 AM		<b>BREAKFAST (Provided on site) and NETWORKING</b>	
9:00 AM		<b>Day 1 Summary &amp; Further Ideas</b>	
			<b>Affiliation (#)</b>
9:20 AM	5a	Motion-Inclusive Inversion for Robust NMR Logging-While-Drilling under Magnetic Inhomogeneity	Yunke Liu <sup>2</sup>
9:40 AM	5b	Estimating Permeability of Carbonate Rocks from NMR T <sub>2</sub> Distribution using a Physics-Based Model	Behzad Ghanbarian <sup>3</sup>
10:00 AM	5c	Multi-TE and Multi-LF NMR Measurements to Address Challenges of the Evaluation of Complex Reservoirs	Anton Nikitin <sup>10</sup>
10:20 AM		<b>BREAK 1 Morning</b>	
10:50 AM	6a	Well Site NMR Measurements: from Cuttings to the Whole Core	Arcady Reiderman <sup>11</sup>
11:10 AM	6b	NMR Data as a Cornerstone for Unraveling Static and Dynamic Properties of Aeolian Reservoirs using a Multiple Matrix Porosity Saturation Height Model	Serge Galley <sup>12</sup>
11:30 AM	6c	Improving Geothermal Reservoir Assessment Through NMR Log Calibration with Core Data	Maciej Koziolek <sup>2</sup>
11:50 PM		<b>WRAP UP and RAFFLE PRIZES</b>	
12:00 PM		<b>LUNCH (PROVIDED ON SITE)</b>	

*We look forward to seeing you all in person during the SPWLA NMR SIG!*

**Co-Chairs:** Ron Bonnie, Stacey Althaus & Ron Ballet  
**SIG Committee:** Ron Bonnie (NMR SIG President), Stacey Althaus (Aramco Americas), Radu Coman (Baker Hughes), Nate Bachman (SLB), Kris Farmer (CoreLab), Tianmin Jiang (ConocoPhillips), Abraham Simanjuntak (Nippon Oil), Boqin Sun (Chevron), Matthias Appel (Shell), Jesus Salazar (ConocoPhillips), Mike Dick (GIT), James Howard (DigIM), Zoya Heidari (UT), Mike Myers (UHI), Ron Ballet (Halliburton).

**Sponsors:** To be Announced

**Presenter Affiliations:** (1) Rice University; (2) Halliburton; (3) SLB; (4) Baker Hughes; (5) Zealax Inc.; (6) Green Imaging Technology; (7) Aramco Americas; (8) Houston Christian University; (9) UT Arlington; (10) Ellington Geological Services; (11) Ecotek Corporation; (12) Shell

**Upcoming Events**

**5 December 2025—Houston Technology Show**

More details: <https://www.spwla-houston.org/event-detail.php?id=18>

**HYDROCARBON RESOURCES SIG**

**General News**

The SPWLA Hydrocarbon Resources SIG board and members recently gathered to discuss activities related to the PRMS Application Guidelines update (including official definitions and sources of information for Porosity and Water Saturation), and a new document for the SRMS. The meeting concluded with the introduction of Philip Gibbons as the newly appointed SIG President. We extend our sincere thanks to outgoing President Javier Miranda for his outstanding leadership over the past years, especially last year as our SIG’s President. Javier will continue to serve on the board as Advisor (Past President), ensuring continuity and strategic guidance.

To strengthen outreach and engagement, the SIG has launched a new LinkedIn page—providing a dynamic platform for sharing updates, promoting events, and connecting with current and prospective members. Alongside this, the SIG has unveiled a new logo and updated its SPWLA website presence to reflect our evolving identity.

**Recent Events**

Philip Gibbons joined the bimonthly SPWLA SIG leadership meeting alongside SPWLA President-Elect Javier Miranda in September. The session focused on introductions, upcoming initiatives, and strategies to better support local chapters. The SIG delivered a concise overview of its history, recent activities, and forward-looking plans.

**Upcoming Events**

The Hydrocarbon Resources SIG will represent SPWLA at the upcoming Oil and Gas Reserves Committee (OGRC) meeting in Houston, held alongside the Society of Petroleum Engineers (SPE) Annual Technical Conference and Exhibition (ATCE). This participation highlights the SIG’s ongoing commitment to advancing industry standards and contributing to the global dialogue on reserves and resources, reaffirming its leadership role within SPWLA and the field of petrophysics in this domain.

**2025–2026 SIG Board**

- **President:** Philip Gibbons (Gaffney Cline)
- **Vice President:** Brett Gray (Ryder Scott)
- **Secretary:** Maria Florencia Segovia (SierraCol Energy)
- **Advisor (Past President 2024–2025):** Javier Miranda (ONGC Videsh Atlantic Inc.)
- **Advisor (Past President 2023–2024):** Joshua Oletu (Gaffney Cline)
- **Advisor (Past President 2022–2023):** Luis Quintero (ODS LLC)

**Our Vision**

“Be the reference for petrophysicists and log analysts in the definition and estimation of hydrocarbon resources while providing minimum standards, norms, and guidelines for the analysis of petrophysics-related data used as an input in the reserves and resources estimation.”

**Our Mission**

“To promote the fundamental value that the science of petrophysics and log analysis delivers to the approved methods of quantitative estimation of hydrocarbon resources and provide guidance for the definition of rock properties in the assessment of hydrocarbon resources and future updates of reserves and resources.”

**Get Involved**

We welcome SPWLA members to join our meetings and activities, and we invite interested professionals to volunteer on the steering board. Together, we exchange experiences and socialize through technical discussions, workshops, and activities to share good practices, encourage industry standardization, and track the evolution of measurements as technology advances.

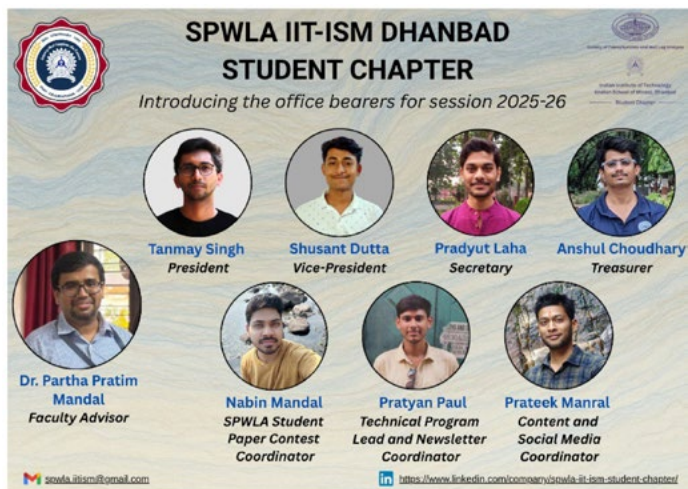


Hydrocarbon Resources SIG board meeting in September to discuss activities related to the PRMS Application Guidelines update

**IITISM DHANBAD STUDENT CHAPTER**

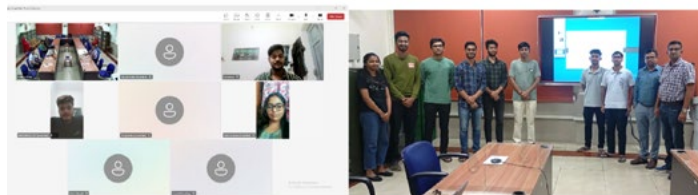
**General News**

We are pleased to announce the formation of a new SPWLA team for the 2025–2026 academic session. The team meets weekly to plan and coordinate a series of academic and outreach activities for the year ahead. Find the newly appointed office bearers in the poster below.



**Recent Events**

**11 October 2025**—The SPWLA Student Chapter successfully organized a Quiz Competition to engage participants and test their knowledge in the domains of petrophysics and rock physics. The event witnessed enthusiastic participation, with 76 participants from various institutes across India taking part. The event concluded with a ceremony to distribute certificates and prizes to the top three performers, recognizing their outstanding performance.



Top performers joined online to receive their awards (left). Team members and faculty advisor of the SPWLA IITISM Student Chapter (right).

**Upcoming Events**

**4 November 2025**—**Technical Talk 2: Topic: The Art and Science of Geo Modeling.** The speaker is Mahabir Prasad Mahapatra.

End of November and December 2025—Technical Talk 3 & 4: TBA

First week of January 2026—Quiz Event 2

Mid-January 2026—A Student Paper Contest

INDUSTRIAL UNIVERSITY OF SANTANDER (UIS)



Board of Directors

President: Stefany Gabriela Peñaranda González, presidencia@spwlauiis.com

Vice President: Kevin Yesid Lozano Sanchez, vicepresidencia.spwlauiis@gmail.com

Fiscal: Laura Valentina López García, fiscal.spwlauiis@gmail.com

Secretary: Dayana Pérez Lore, secretaria.spwlauiis@gmail.com

General News

Selection and Admission Process for New Members to the Student Chapter

During the current academic term, the process of selecting and recruiting new members to the student chapter was carried out, with the goal of strengthening the team and promoting the active participation of students committed to the group’s academic and professional development.

Activity Development:

The process began with an open call for students interested in joining the student chapter. Subsequently, the corresponding stages of registration, profile evaluation, and interviews were carried out, following the guidelines established by the chapter coordinator.

After completing the process, four new members were selected and formally admitted:

- Jhon Mario Afanador Alza, geology student
- Nazly Castellanos Peña, petroleum engineering student
- Juan Diego Ariza Orduz, petroleum engineering student
- Tatiana Gissel Atuesta Patiño, geology student

The addition of these new members represents a significant strengthening of the chapter, bringing a diversity of ideas and greater operational capacity for the development of academic, social, and outreach activities. The selected students will begin an induction and mentoring process to fully integrate into the group’s work.

Election of the New Board of Directors of the Student Chapter

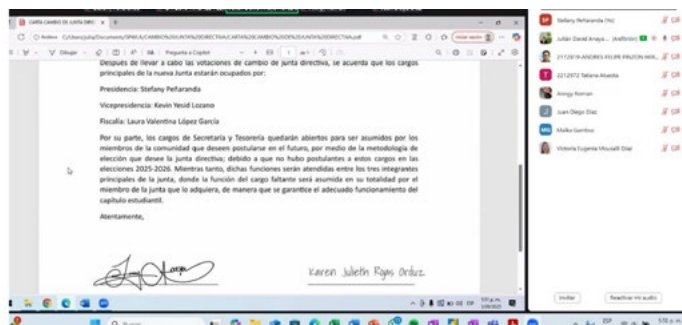
During this period, the democratic process for the election of the new board of directors was carried out, aiming to ensure continuity in the group’s management and leadership, promoting active participation and transparency in decision making.

Activity Development:

The process began with the call for elections, where candidates for the various Board of Directors positions were presented. Subsequently, proposal dissemination sessions and the respective voting process were held, following the guidelines established by the organization.

The voting process was carried out in an orderly and transparent manner, with the participation of the active members of the chapter, who exercised their right to vote.

As a result of the electoral process, the new board of directors was formed, composed of members elected according to the majority of votes obtained.



Meeting for voting day for the new board of directors.

## Recent Events

### 16–18 September 2025—Participation of the Student Chapter in the XXII Colombian Congress of Oil, Gas, and Energy

– **ACIPET:** Our chapter actively participated in the XXII Colombian Congress on Oil, Gas, and Energy, organized by the Colombian Association of Petroleum Engineers (ACIPET) with the support of the School of Petroleum Engineering. This event is one of the most important academic and professional forums in the country in the energy sector, bringing together experts, researchers, and students to share experiences, advances, and challenges in the sector. Among the participants were Julio Martinez and María Andrea, students who were part of the chapter during their previous terms, who presented work developed within the framework of the group's lines of research and academic activities.



Meeting with teachers and industry professionals such as César Patiño and Annett Otero at the congress.

### 26 September 2025—General Meeting of the Student Chapter for Evaluation and Planning of Activities:

To evaluate the actions carried out during the period and plan new work strategies, a general meeting of the student chapter was held, attended by active members and representatives of the various committees.

#### Activity Development:

During the meeting, participants reviewed the activities carried out, highlighting the achievements and challenges faced by each committee.

A general socialization was also held, where members shared ideas and proposals aimed at strengthening the

chapter's academic and social outreach. Possible courses of action for the next semester were discussed, prioritizing those with the greatest institutional and student impact.

The meeting provided a space for collective reflection and strategic planning, reinforcing the group's unity and commitment to the chapter's objectives. As a result, preliminary guidelines for upcoming activities were established, and it was agreed to hold regular follow-up and coordination meetings.



Meeting with chapter members to establish schedules and upcoming events.

### 14 October 2025—Student Chapter supports the Oil Crack event at the Third International Week of Subsoil Energy Resources:

Our chapter provides institutional and operational support to the Oil Crack event, held within the framework of the Third International Week of Subsurface Energy Resources, organized by the School of Petroleum Engineering. The purpose of this event is to foster academic and professional exchange around technological, scientific, and sustainable advances in the energy sector.

#### Activity Development:

The chapter participates in the planning and execution of the event, collaborating in areas such as logistics, technical support, attendee registration, and support for the various conferences and academic activities scheduled. Chapter members worked in coordination with the central organization of the International Week, strengthening ties between the chapter and the School of Petroleum Engineering.

The chapter's participation in Oil Crack consolidates its institutional presence within the academic community, reaffirming its commitment to the development of knowledge

and innovation in the energy sector. Furthermore, the members involved gained experience in organizing large-scale events and strengthened their teamwork and management skills.



Advertising was carried out with the support of the petroleum school chapters for the event.



Oil Crack event day.

### Upcoming Events

**November 2025—Virtual integration With the Argentine Student Chapter:** A day of contests and talks is being organized in conjunction with the Argentine Student Chapter. For this purpose, we have held a meeting and discussions to propose speakers and organize the event.

**October–November 2025—Preparation of the National Student Paper:** To carry this out, meetings are already being held to organize publicity and invitations to participate in this important event.

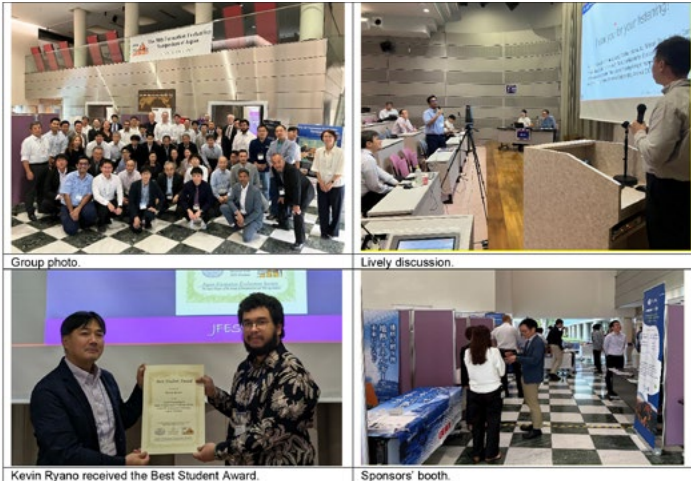
**December 2025—UIS School of Petroleum Engineering Christmas Event:** Every year, the UIS School of Petroleum Engineering holds a social event for a foundation. With the support of the chapters, we carry out activities that contribute to donating gifts to children during the Christmas season.

**March 2026—II Week of Petrophysics:** We plan to hold the petrophysics week again, and for that reason, we are currently organizing the preparation of contacting speakers and all the logistics that this type of event entails.

### JAPAN FORMATION EVALUATION SOCIETY (JFES)

#### Recent Events

**9–10 October 2025—The 30th Formation Evaluation Symposium of Japan:** This event was held at the JOGMEC-Technology & Research Center in Makuhari, Japan. The event saw more than 100 delegates, both on-site and online. A highlight of the symposium was the special session dedicated to “Advanced Sampling Analysis at Surface,” which featured four invited talks that delved into the transformative impact of digital technologies on formation evaluation. The symposium showcased a total of 23 presentations, each contributing valuable insights and findings to the body of knowledge in formation evaluation. The symposium also recognized outstanding contributions through its awards. The Student Award was presented to Kevin Ryano from Tohoku University for his work on the “Acid Fracturing of High-Temperature Volcanic Rocks with HF-Enhanced Chelating Agent Solution.”



Group photo

Lively discussion

Kevin Ryano received the Best Student Award.

Sponsors' booth



Networking Dinner

Networking Dinner

**11 October 2025**—The 16th Golf Competition of JFES was held at Chiba International Country Club. The weather was rainy, but many past presidents and legends attended the competition. We are looking forward to meeting many golf players next time!!

Ahead of the 30th JFES Annual Symposium, we held our first Geomodeling Workshop, which attracted 79 participants, including nine students. This inaugural event provided a valuable platform for technical exchange across the E&P industry. The workshop featured lively discussions and insightful presentations and was well received by attendees. Based on positive feedback, we see strong potential for continuing and expanding this workshop in future years.



Players of Golf Competition.



Panel discussion on the geomodeling workshop.

Icebreaker of the geomodeling workshop.

**9 October 2025**—The networking party was held at the Hotel Manhattan. This event was attended by approximately 60 participants. The party really kicked things off, and we hope that all participants enjoyed the party and got along with other participants.

### Upcoming Events

**December 2025—128th JFES Chapter Meeting:** We are pleased to announce that the forthcoming 128th JFES Chapter Meeting will be held as an online event. Details are to be announced.

#### Presentation 1

<Title> TBA

<Speaker> Dr. Chihiro Nakajima (Japan Oil Engineering Co., Ltd, JOE)

#### Presentation 2

<Title> TBA

<Speaker> Yusuke Shimotoku (Japan Oil Engineering Co., Ltd, JOE)

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

Email: [info@spwla-jfes.org](mailto:info@spwla-jfes.org)

**KAUST STUDENT CHAPTER**

**General News**

The SPWLA board has recently completed its election on September 22 and is pleased to announce the following newly elected board members:

- President:** Zhilei Han (zhilei.han@kaust.edu.sa)
- Vice President:** Hussain Alqahtani (hussain.alqahtani.1@kaust.edu.sa)
- Secretary:** Kania Saffanah (kania.safannah@kaust.edu.sa)
- Treasurer:** Haotian Li (haotian.li@kaust.edu.sa)
- Public Relations:** Asahi Matsumoto (asahi.matsumoto@kaust.edu.sa)

**Recent Events**

**27 August 2025**—Our chapter participated in the Orientation expo, where the new KAUST students are exposed to the university chapters and societies. It was a good time to share some of what SPWLA represents. The booth was well attended by the new students, who showed interest in our society.



KAUST SPWLA Student Chapter booth at the Orientation expo at King Abdullah University of Science and Technology, Kingdom of Saudi Arabia.

**28 October 2025**—A **Technical Seminar** by Prof. Deepak Devegowda from the University of Oklahoma was held. More details will be shared in the next newsletter.

**Upcoming Events**

**Additional technical seminars** are currently being arranged, with schedules under discussion with speakers.

**London Petrophysical Society (LPS)**

**General News**

The London Petrophysical Society (LPS) continues to actively engage its membership throughout 2025. We extend our sincere thanks to our sponsors for their generous and ongoing support—your contributions are vital to our mission of advancing petrophysics and fostering a vibrant professional community in London and beyond. Below are our current sponsors:



**Recent Events**

**4 September 2025**—The LPS hosted its latest one-day seminar as part of the popular *Petrophysics 101* series, titled “Core Concepts in Petrophysics.” Designed for early-career professionals and geoscience students exploring careers in energy, the seminar also served as a valuable refresher for experienced practitioners. The event encouraged knowledge sharing across generations of petrophysicists and was well-received by attendees.



The Geological Society at Burlington House, where the LPS Petrophysics 101 seminar took place (top), and Trond Rolfsvåg (Hydrophilic) (bottom) presenting to attendees.



Iain Whyte (left) and Andrew Foulds (right) (Islay Subsurface & Engineering) during the Petrophysics 101 seminar.

**7 October 2025**—We were honored to welcome SPWLA Distinguished Lecturer Seán Dolan (Shell) for an evening lecture at the Geological Society, Burlington House. His presentation, “Petrophysical Characterization of Secondary Organic Matter and Hydrocarbons in the Early Jurassic Marrat Formation Using Laboratory NMR Techniques,” sparked lively discussion and thoughtful questions. The evening concluded with informal networking at the Chequers Tavern.



Maciej Kozlowski (Halliburton) (top) and Mike Miller (independent) (bottom) presenting their papers at the LPS Petrophysics 101 seminar.



Seán Dolan presenting his paper (top) and the engaged audience (bottom) in the Council Room at the Geological Society.

**Upcoming Events**

**6 November 2025**—LPS will host its annual **New Technology Seminar**, a free-to-attend event featuring an exhibition in the Lower Library at the Geological Society. Participants will showcase emerging petrophysical and formation evaluation technologies. The **call for abstracts** is currently open, and we encourage submissions from those with innovative tools or workflows to share. The seminar will be followed by the LPS Annual General Meeting (AGM), where members can hear updates from the Executive Committee and preview plans for 2026. The evening will conclude with an off-topic lecture—speaker and topic to be announced.

**11 December 2025**—Our final event of the year will be a one-day seminar titled **“Everything Borehole Imaging”** hosted in collaboration with the SPWLA Borehole Imaging SIG. The **call for abstracts** is open, and we welcome contributions from across the industry. The day will conclude with the much-anticipated President’s Evening at the King’s Head—a festive close to a productive year.

See below for a list of upcoming LPS events:

Event	Date
New Technology Seminar, followed by the AGM and an off-topic lecture	6 November 2025
One Day Seminar – “Everything Borehole Imaging” – Followed by the President’s Evening	11 December 2025
SPWLA 2026 UDAR Topical Conference	23-25 March 2026

**Location for all 3 Events:**  
**The Geological Society, Burlington House**

LPS is also proud to support the upcoming **SPWLA UDAR Topical Conference**, which will explore cutting-edge applications and challenges in geosteering and reservoir mapping using UDAR technology. Planning is well underway, and more details will be shared soon.

For event registration, abstract submissions, and the latest updates, please visit our LPS website ([www.lps.org.uk/lps-events](http://www.lps.org.uk/lps-events)) and follow us on [LinkedIn](#).

**NORWEGIAN FORMATION EVALUATION SOCIETY (NFES)**

**General News**

Month	Title	Presenter
jan.25	Obtaining Remaining Oil Saturation For The Johan Sverdrup Field From a Variety of Logging Data Reservoir fluid properties from cuttings: An innovative Synergy of Gel Permeation Chromatography and Data Analytics	Brice Fortier Alexandra Cely
feb.25	CORE SCANNER FOR ELECTRICAL PROFILING OF FULL-BORE CORES AT THE WELL SITE WITH ADVANCED PULSE ELECTROMAGNETIC TECHNOLOGY	Dier Mirza
mar.25	President of Society of Petrophysicists and Well Log Analysts (SPWLA) CCUS from emitter to storage – where are we and what do we need?	Iulian Hulea Charlie August
apr.25	Geothermal Energy in the Nordics: Drilling and Sustainable Utilization	Kirsti Middtømme
mai.25	Prototype HLT Pilot Testing Offshore Norway 2024	Trond Rolfsvåg
jun.25	Energy Transition Outlook and the role of Norwegian Oil & Gas	Geir Egil Eie
sep.25	Evaluating Waterflood Effectiveness and Hydrocarbon Recovery Using Constraint Inversion of Resistivity Sigma and Core Data	Harish Datir
okt.25	Beyond Gas Bubbles in a Norwegian Oil Fields: An Integrated Technique to Understand Reservoir Fluid Distribution	Maria Cecilia Bravo Silvia Roblero Nunez

Affiliation	Attendance (incl speaker) at the Gärd	Attendance (incl speaker) via Teams	Attendance (incl speaker) Total
Discipline leader for petrophysics at Equinor Principal reservoir engineer at Equinor	32	3	35
Subsurface Manager at Aker BP The President of NFES	29	7	36
The President of SPWLA Regions Business Development Leader for CCUS at Baker Hughes	24	7	31
chief scientist at NORCE	25		25
CEO of Hydrophilic	23	6	29
Head of Technology Centre’s Northern Europe in DNV	26	5	31
Principal Domain Champion for Petrophysics, Acoustics and Geology services at SLB	23	4	27
Principal reservoir engineer at Equinor Principal petrophysicist at Equinor	27	3	30

**Recent Events**

**3 September 2025—Monthly Technical Meeting:** NFES hosted a very interesting talk given by Harish Datir (principal domain champion for petrophysics, acoustics, and geology services, SLB) with the following title: **“Evaluating Waterflood Effectiveness and Hydrocarbon Recovery Using Constraint Inversion of Resistivity Sigma and Core Data.”**



NFES Technical meeting on September 3, 2025, in Stavanger. Subhadeep Serkar, NFES VP Member, presents the NFES ice bear in gratitude for a well-attended and delivered presentation given by Harish Datir (principal domain champion for petrophysics, acoustics, and geology services, SLB) (to the right)

**1 October 2025—Monthly Technical Meeting:** NFES hosted a very interesting talk given by Maria Cecilia Bravo (principal reservoir engineer, Equinor) with the following title: **“Beyond Gas Bubbles in a Norwegian Oil Field: An Integrated Technique to Understand Reservoir Fluid Distribution.”**



NFES Technical meeting on October 1, 2025, in Stavanger. Venkataraman Jambunathan, NFES VP Program, presents the NFES ice bear in gratitude for a well-attended and delivered presentation given by Maria Cecilia Bravo (principal reservoir engineer, Equinor) (to the right).

**NFES 2024 Sponsors**



**NMR SIG**

**General News**

Introducing the 2025–2026 SPWLA NMR SIG Executive Committee! We’re excited to present the new leadership team guiding the SPWLA NMR Special Interest Group into the next chapter of innovation and collaboration in NMR petrophysics.

**Meet the team:**

- Dr. Ron J.M. Bonnie** – President
- Radu Coman** – President-Elect
- Tianmin Jiang** – Treasurer
- Kristopher Farmer** – Secretary
- Henry Nate Bachman** – Past President
- Ron Balliet** – NMR Industrial Standards
- Stacey Althaus** – Member at Large
- Abraham Simanjuntak** – Member at Large

**SPWLA NMR SIG – Executive Board – 2025-2026**

 <b>Ron Bonnie</b> President	 <b>Radu Coman</b> President-Elect	 <b>Tianmin Jiang</b> Treasurer	 <b>Kris Farmer</b> Secretary
 <b>Nate Bachman</b> Past President	 <b>Ron Balliet</b> NMR Industrial Standards	 <b>Stacey Althaus</b> Member at Large	 <b>Abraham Simanjuntak</b> Member at Large

**Honoring Excellence Within the NMR SIG**

We want to extend congratulations to Tianmin Jiang (NMR SIG Treasurer), who received the Meritorious Service Award at the 2025 SPWLA Annual Symposium.

**Recent Events**

**NMR Workshop During the 66th Annual SPWLA Symposium in Dubai**

The SPWLA NMR SIG is excited to share our recent activities and how we have been resonating with the petrophysics community. During the 66th Annual SPWLA Symposium in Dubai, the NMR SIG organized and sponsored an educational workshop titled “New Advances in NMR Techniques and Applications” with instructors Radu Coman (Baker Hughes), Nate Bachman (SLB), Kristopher Farmer (Core Laboratories), Ron Balliet (Halliburton), Marie Van Steene (SLB), and Sean Dolan (Shell). We also wanted to extend a special thank you to Dalma Cerro (UT Austin) for organizing and distributing the course material to the workshop participants. This educational workshop kicked off with the basics of NMR in the oil and gas industry, followed by core and log NMR, and ended with case studies implementing advanced techniques to characterize subsurface reservoirs. By the end of the workshop, students had the knowledge and tools to maximize the value of their acquired NMR data. We would like to thank all who attended the workshop for their active participation and excellent questions. After the workshop, instructors and students decided to keep the conversations going over snacks and drinks on the rooftop. Members of the NMR SIG board continued spinning into action after the workshop, volunteering as judges for the student paper competition and chairing six technical sessions.



### SPWLA 2025 NMR SIG Conference

The SPWLA NMR Special Interest Group is pleased to announce the success of the 2025 NMR SIG Conference, which took place on October 23–24 at the Halliburton Main Campus in Houston, Texas. This 1½-day in-person event focused on technical exchange, innovation, and networking in the field of NMR formation evaluation.

This year’s theme, “Reaching Full Polarization in a 2025 NMR Conference,” reflects our commitment to advancing the science and application of NMR in petrophysics. Building on the momentum from our successful 2024 conference in Rio de Janeiro, the 2025 edition brought together experts from industry and academia to share insights and explore emerging technologies.

The technical program featured presentations on a wide range of topics, including:

- Reservoir characterization in both conventional and unconventional settings
- Integration of NMR data from cores and fluids with well logs
- Applications of <sup>13</sup>C and <sup>23</sup>Na NMR for non-hydrogen measurements
- The role of academia in NMR education and research
- NMR techniques for evaluating new energy sources

Thank you to our sponsors—**Green Imaging Technology, Halliburton, SLB, and Aramco**—for their support in making this event possible.

The conference was organized by a dedicated committee of NMR SIG members, including Stacey Althaus (Co-Chair), Ron Balliet (Co-Chair), Ron Bonnie (Co-Chair), Radu Coman, Matthias Appel, Nate Bachman, Mike Dick, Kris Farmer, Zoya Heidari, James Howard, Tianmin Jiang, Mike Myers, Jesus Salazar, Abraham Simanjuntak, and Boqin Sun.

An evening social gathering was co-hosted with the SPWLA Houston Chapter following the conference, offering additional opportunities for informal discussion and networking.

### Expanding Our Digital Presence 📌 Follow SPWLA NMR SIG on LinkedIn

The SPWLA NMR Special Interest Group has launched a new LinkedIn organization page to better connect with the petrophysics community. Through this platform, we will share updates on our activities, upcoming events, and technical content related to NMR formation evaluation.

We invite all members and colleagues to follow the SPWLA NMR SIG on LinkedIn and stay engaged with the latest developments in our field.

### OKLAHOMA CITY CHAPTER

#### General News

SPWLA OKC Technical luncheons are held at Vast on the second Tuesday of the month from 11:30 am to 1 pm.

#### Recent Events

- 9 September 2025**—Son Dang presented “Optimizing Values of Drill Cuttings in Unconventional Reservoir Exploration-Production.”
- 14 October 2025**—Elia Haddad (SLB) presented “Solving Complex Reservoir Geology Through the Acquisition of Borehole Images in Vertical and Lateral Wells.”

#### Upcoming Events

- 11 November 2025**—TBD
- 3 December 2025**—Joint SPWLA OKC, OCGS, and GSOC Holiday Party at Chicken and Pickle.

### RESISTIVITY SIG

#### General News

We had a SPWLA RT SIG officers meeting on September 26 to discuss the upcoming November 12 meeting. We reviewed the SPWLA 2025 talks and chose several that we felt represented equal numbers of producer and service company populations. We then called on their authors to present at our November 12 meeting. We have had several authors reply with positive responses for our open session to present their talks. We also directly contacted oil producer EM experts to solicit talks.

## TULSA CHAPTER

### Recent Events

Several members of the Tulsa Chapter presented a half-day workshop on “Archie Equations: Their History and Evolution” to members of the Tulsa Geological Society. The presentation started with background on the water saturation question in the industry pre-1942, worked its way through how the equations were developed/evolved, and then how modifications led to numerous new models with different equations. The evaluation of equation log inputs and parameters to these models was the focus of the second portion of the workshop, while a series of log-based examples of Archie and Non-Archie rocks ended the morning. The audience had varying experience levels, ranging from students to long-time users of water saturation models in various Oklahoma plays. They appeared to enjoy themselves, and nobody fell asleep.

## UNIVERSITAS PERTAMINA STUDENT CHAPTER

### General News

Between August and September 2025, the SPWLA Universitas Pertamina Student Chapter (UP SC) officially conducted its open recruitment for the new cabinet period 2025/2026, introducing the Ignition Cabinet as the latest leadership team. The recruitment process attracted strong enthusiasm from students within the faculty of Exploration and Production Technology, resulting in the selection of 45 active members across several divisions dedicated to technical, academic, and creative development. The Ignition Cabinet marks a renewed spirit of collaboration and innovation in advancing SPWLA UP SC’s mission to strengthen knowledge in petrophysics and well logging. As part of this new beginning, the chapter launched its first official post on Instagram, introducing the new logo, vision, and mission that symbolize professionalism, inclusivity, and continuous learning. Through this milestone, SPWLA UP SC aims to build stronger engagement among members, enhance its visibility in the broader petroleum engineering community, and uphold its commitment to fostering technical excellence and leadership among young professionals in Indonesia.

### Recent Events

The SPWLA UP Student Chapter held its First Gathering as the opening event for the 2025/2026 organizational period. The gathering fostered unity and belonging among members, introduced the organizational structure and upcoming work programs, and strengthened the spirit of collaboration

within the chapter. The event successfully encouraged early communication and a strong sense of belonging among members.



Closing of SPWLA UP SC First Gathering 2025/2026.



Opening of SPWLA UP SC First Gathering 2025/2026.

SPWLA Fit Together was held as a casual sports and bonding event featuring badminton matches. The goal was to promote physical wellness, friendship, and team spirit among members outside formal settings. The event strengthened interpersonal relationships and fostered a cohesive and motivated atmosphere for future organizational programs.



SPWLA Fit and Fun Session.

**Upcoming Events**

**3–7 November 2025—Petrosphere:** An internal academic enrichment program preparing SPWLA UP SC members for midterm exams through review lectures and quizzes, fostering teamwork and reinforcing technical understanding.

**23 November 2025—SPARK (Sharing, Partnership, and Knowledge Exchange):** A benchmarking visit to Universitas Padjadjaran aimed at collaboration, chapter management exchange, and building inter-university networks.

**24 November 2025—Company Visit to PT Geo Dipa Energi Unit Patuha:** A practical field visit to explore geothermal operations and observe petrophysical applications in renewable energy exploration, connecting theory to real-world practices.

**30 November 2025—Education Content:** An educational Instagram series delivering posts about petrophysics and well logging with interactive quizzes to engage followers and promote scientific awareness.

Throughout the 2025/2026 term, the SPWLA Universitas Pertamina Student Chapter has shown growth in academic engagement, technical programs, and professional development. Through various seminars, workshops, and outreach initiatives, the chapter continues to uphold SPWLA’s global mission of advancing formation evaluation and empowering the next generation of petrophysicists.

**UNIVERSITY OF HOUSTON STUDENT CHAPTER**

**General News**

Our chapter successfully enhanced student professional development this month by hosting several key events. We focused on equipping students with essential, career-ready skills through hands-on training on industry-standard software. To further promote the field of petrophysical studies, we also organized a family weekend, which served as an interdisciplinary outreach event bringing together organizations from across different departments.

**Recent Events**

**Family Weekend 2025:** This event was organized to bring together all departments, allowing organizations from each department to set up their own tables. This connected attendees with professionals from different areas of industry and helped promote the field of petrophysical studies.



UH-SPWLA President, Musfika Rahman, engages with the attendees at Family Weekend 2025.

**10–11 October—Techlog Training Workshop:** The UH-SPWLA Student Chapter hosted a highly successful two-day “Techlog Essentials” training session. The workshop, led by industry expert Franklyn Sáez, offered a comprehensive introduction to this key petrophysical software. The hybrid event was a great success, drawing participants both in person at the UH Petroleum Engineering Department and online from the University of Kansas. Mr. Sáez drew upon his 20+ years of expertise in geology, petrophysics, and geomodelling to make complex topics easily understandable. His custom-made instructional materials and real-world examples ensured the training was practical and engaging for everyone, from beginners to seasoned professionals.



Mr. Franklyn assists students during the training session.

**Upcoming Events**

We plan on arranging a trip to the Houston Museum of Natural Science to provide another learning opportunity for students. In addition, we are collaborating with the Society of Petroleum Engineers to arrange a visit to Chevron.

## THE UNIVERSITY OF TEXAS AT AUSTIN STUDENT CHAPTER

### General News

On behalf of the SPWLA University of Texas at Austin Chapter, we are delighted to share highlights from September and October 2025. The start of the semester was marked by two outreach demonstrations at major student events and a social gathering that brought our growing community together.

Throughout October, our board focused on organizing the Distinguished Speaker Program and finalizing the schedule of talks for the 2025–2026 academic year. We are excited to announce a strong lineup of technical presentations beginning this November.

### Recent Events

**August 2025—Gone to Engineering:** Our chapter participated in the “Gone to Engineering” event, where we welcomed incoming students to UT Austin and introduced them to the field of petrophysics. The image below shows our Vice President Alejandro Lopez presenting a simplified reservoir model using hydrogels to demonstrate multiphase flow concepts, while the Treasurer Dalma Cerro showcased core measurement samples and explained their role in reservoir evaluation. The activity sparked interest among freshman students and helped expand awareness of SPWLA within the engineering community.



SPWLA UT Austin Vice President Alejandro Lopez demonstrated a simplified reservoir model, and Treasurer Dalma Cerro discussed core measurements with students during the “Gone to Engineering” event.

**September 2025—Graduate Student Orientation:** The SPWLA UT Austin Chapter presented during the Graduate Student Orientation to introduce new graduate students to the Society’s mission and upcoming opportunities for involvement. Secretary Mariella El Khoury and

President Matheos Giakoumi delivered the presentation, emphasizing the importance of integrating petrophysics into graduate research and encouraging active participation in chapter events.



SPWLA UT Austin Secretary Mariella El Khoury and President Matheos Giakoumi presenting during the Graduate Student Orientation.

**October 2025—Trivia Night Social Event:** To foster community engagement, our chapter hosted a Trivia Night social event that attracted nearly 50 attendees. The evening provided an excellent opportunity for students to connect with peers, learn about the society, and enjoy a relaxed environment before the busy semester ahead.



SPWLA UT Austin members and students during the Trivia Night social event.

### Upcoming Events

**1 November 2025—PetropotLuck:** A themed potluck competition featuring dishes inspired by petrophysics assignments

**7 November 2025—Distinguished Speaker:** Sean Dolan (Shell)

**Late November 2025—Distinguished Speakers:** Maria Bravo and Silvia Nunez (Equinor)

**TBD: Field Trip with SLB—**more details to follow

**UFC STUDENT CHAPTER — BRAZIL**



**Recent Events**

**16 September 2025**—We were pleased to host Dr. Michael Strugale (reservoir geologist, Petrobras) for an online lecture. Dr. Strugale’s presentation, “Structural, Tectono-Sedimentary, and Diagenetic Evolution of the Presalt in the Campos Basin,” provided valuable insights into this critical area of study.

**3 October 2025**—A joint delegation from the SPWLA UFC and SPWLA UFRuralRJ Student Chapters completed a technical visit to the Petrobras Research Center (Cenpes). The visit offered a unique opportunity to tour their cutting-edge facilities and interact with top-tier researchers, enhancing our understanding of advanced developments in the oil and gas industry.

**SPWLA UFC – Social Networks**

**LinkedIn:** <https://www.linkedin.com/company/ufc-spwla-student-chapter/>

**Instagram:** <https://www.instagram.com/ufcspwlasc/>

**YouTube:** <https://www.youtube.com/@spwlaufcstudentchapter>

**UFRuralRJ STUDENT CHAPTER — BRAZIL**

**General News**

During the months of September and October, internal meetings were organized to define the chapter’s T-shirt design, as well as to plan ways to raise funds to support events and internal chapter projects.

During our meetings, we aligned expectations for the rest of the year and discussed our potential projects, courses, and lectures. Each role was delegated and taught to the members so that they could manage the chapter more efficiently and with greater autonomy.

**Recent Events**

**September 2025**—The president of our chapter, Gian Lucca, had the opportunity to represent us in the Laboratory Petrophysics Course, held at the Advanced Oil Recovery Laboratory (LRAP - UFRJ) and taught by petrophysics specialist engineer, Felipe Eler



**October 2025**—The SPWLA UFRuralRJ team had the pleasure of taking part in a technical visit to the largest research center in Latin America, Cenpes/Petrobras, together with members of SPWLA UFC. Accompanied by highly qualified professionals, we visited the Applied Mineralogy, Tomography, Basic Petrophysics, Special Petrophysics, and Organic Geochemistry laboratories. The visit provided an enriching experience, showcasing cutting-edge techniques and technologies led by scientific teams that are part of one of the world’s largest applied research complexes, focused on oil and gas exploration and production, as well as geosciences, reservoir engineering, and related fields.



## YANGTZE UNIVERSITY STUDENT CHAPTER



## Upcoming Events

The SPWLA UFRuralRJ Chapter is currently organizing a series of upcoming short courses and lectures aimed at expanding our members' technical knowledge and professional development. Among the planned activities, we are preparing a technical visit to Equinor, one of the leading global energy companies, where participants will gain valuable insights into exploration and production operations. In addition, we are scheduling a visit to LAGESED (Sedimentary Geology Laboratory – UFRJ), providing an opportunity to deepen understanding of sedimentary processes and basin analysis. These initiatives reflect our commitment to promoting applied learning and strengthening connections between academia and the energy industry.

## SPWLA UFRuralRJ – Social Networks

**LinkedIn:** <https://www.linkedin.com/company/ufruralrj-spwla-student-chapter/>

**Instagram:** [https://www.instagram.com/spwla\\_ufruralrj?igsh=MTEXdDZvaW14angyeA%3D%3D&utm\\_source=qr](https://www.instagram.com/spwla_ufruralrj?igsh=MTEXdDZvaW14angyeA%3D%3D&utm_source=qr)

## Recent Events

**19 September 2025**—The SPWLA Student Chapter at Yangtze University successfully convened a lecture for new graduate students titled “The First Class for Graduate Students: Research and Growth.” The event was delivered by the chapter’s Faculty Advisor, Professor Xin Nie. Professor Nie shared extensive expertise in well logging and rock physics, presenting recent research achievements. During the session, Professor Nie emphasized the importance of cultivating professional competencies in three key areas: time management, foundational knowledge in geophysics and mathematics, and research literacy. Professor Nie also provided valuable recommendations on practical tools and software. The lecture concluded with an engaging Q&A session, where Professor Nie offered personalized advice to graduate students on developing their research capabilities.



Professor Xin Nie delivered the lecture “The First Class for Graduate Students: Research and Growth.”

## Welcome New Members – August 16, 2025–October 15, 2025

**Achur, Giovanna**, Universidade Do Estado Do Rio De Janeiro, Rio de Janeiro, Brazil

**Ade, Marcus**, Universidade Do Estado Do Rio De Janeiro, Rio de Janeiro, Brazil

**Ajo-Franklin, Jonathan**, Rice University, Houston, Texas, United States

**Al Ghassani, Bushra**, Sultan Qaboos University, Dhank, Oman

**Alhaddad, Abdullah**, Aramco, Alhasa, Saudi Arabia

**Alves, Gabriela**, Universidade Do Estado Do Rio De Janeiro, Rio de Janeiro, Brazil

**Arayathirant, Rasikan**, PTTEP, Bangkok, Thailand

**Bunlam, Atiwut**, PTTEP, Bangkok, Thailand

**Busch, Pedro**, Universidade Do Estado Do Rio De Janeiro, Rio de Janeiro, Brazil

**Chen, Shi**, Equinor, Bergen, Norway

**Colpitts, Robert**, Joint Resources Company, Weatherford, Texas, United States

**Da Silva, Osmar**, ANP, Rio De Janeiro, Brazil

**De Souza, Beatriz**, Universidade Do Estado Do Rio De Janeiro, Nova Iguaçu, Brazil

**Deelom, Chayanut**, PetroRes Consulting, Sattahip, Thailand

**Do Nascimento, Júlia**, Universidade Do Estado Do Rio De Janeiro, Rio De Janeiro, Brazil

**Durcanin, Michael**, Rutgers University, Houston, Texas, United States

**Earle, Ethan**, University of Texas Arlington, Mansfield, Texas, United States

**Eden, Brylan**, University of Texas Arlington, Arlington, Texas, United States

**Ferdinand, Oliver**, University of Aberdeen, Aberdeen, United Kingdom

**Garrouch, Ali**, Kuwait University, Houston, Texas, United States

**Giakoumi, Matheos**, University of Texas at Austin, Austin, Texas, United States

**Gizatullina, Zulfiia**, Equinor, Bergen, Norway

**Hasanov, Gurban**, University of Oklahoma, Norman, Oklahoma, United States

**Herdy Ferraz Barbosa, Catarina**, Universidade Do Estado Do Rio De Janeiro, Rio De Janeiro, Brazil

**Hutto, Andrew**, Daylight Petroleum, Houston, Texas, United States

**Karoussi, Omid**, Equinor, Stavanger, Norway

**Khitam, Mohammad**, The University of Texas at Austin, Austin, Texas, United States

**Kongsumrit, Wilasinee**, PTTEP, Bangkok, Thailand

**Konkaew, Pimpakarn**, PetroRes, Chiang Mai, Thailand

**Lertsrisunthad, Punnaya**, PTTEP, Bangkok, Thailand

**Li, Xiaoqiang**, University of Texas Arlington, Arlington, Texas, United States

**Meng, Li**, Yangtze University, Wuhan, China

**Montero, Jose**, Advanced Logic Technology, Oxfordshire, United Kingdom

**Moody, Mary Ann**, University of Texas at Arlington, Arlington, Texas, United States

**Mook, Bryant**, BAH, LLC, Cypress, Texas, United States

**Moore, Brandon**, University of Oklahoma, Norman, Oklahoma, United States

**Mora, Miguel**, University of Texas Arlington, Arlington, Texas, United States

**Morgan, James**, Land Seismic Noise Specialists, Cypress, Texas, United States

**Nunez, Miguel**, Capixaba Energia, Aracruz, Brazil

**Oliveira, Reyson**, Universidade Do Estado Do Rio De Janeiro, Rio de Janeiro, Brazil

**Perdomo, Andrea**, University of Houston, Houston, Texas, United States

**Powers, Hannah**, University of Texas at Arlington, Conroe, Texas, United States

**Rahimi, Shayan**, University of Texas Arlington, Arlington, Texas, United States

**Ruiz, Damian**, Williams, Katy, Texas, United States

**Sampaio, Nycole**, Universidade Do Estado Do Rio De Janeiro, Rio De Janeiro, Brazil

**Santos, Marcio**, Universidade Do Estado Do Rio De Janeiro, Nova Iguaçu, Brazil

**Silva, Rafaela**, Universidade Do Estado Do Rio De Janeiro, Rio De Janeiro, Brazil

**Soyuslu, Ali**, TP\_OTC, Ankara, Turkey

**Sukkee, Nisa**, PTTEP International Limited (YANGON BRANCH), Bangkok, Thailand

**Surawut, Laksanaporn**, PTTEP, Bangkok, Thailand

**Taghiyev, Yunis**, University of Texas at Austin, Austin, Texas, United States

**Trindade, Guilherme**, Uerj, Rio De Janeiro, Brazil

**Visetnat, Krai**, PTTEP, Bangkok, Thailand

**Zare, Shima**, University of Texas at Arlington, Arlington, Texas, United States

**Zarudzki, Wojtek**, Cegal, Zgorzala, Poland

**Zhao, Haihua**, China University of Petroleum (East China), Qingdao City, China

### Professor Ir. Maximiliaan Peeters

March 25, 1945 – August 7, 2025

Utrecht, The Netherlands – Golden, Colorado

Professor Ir. Maximiliaan Peeters dedicated his life to science, education, and international service. After his retirement, he taught petrophysical courses for PetroSkills, sharing his expertise with professionals around the world. He also served as the honorary consul of the Netherlands in Denver and volunteered as an assistant park ranger, reflecting his deep commitment to both his homeland and his adopted state of Colorado.

From 1998 to 2007, Max was a professor of borehole geophysics and petrophysics at the Colorado School of Mines, where he held the distinguished Baker Hughes Chair. He founded and directed the Center of Petrophysics at the School of Mines and mentored countless students who went on to shape the field. Earlier, from 1992 to 1998, he served as a professor of petrophysics at Delft University of Technology in the Netherlands, while also working as a petrophysical advisor at Shell Research.

Max's career began with an MSc degree in physics from Delft University of Technology in 1968, after which he spent 2 years teaching at the Royal Dutch Naval Academy. In 1970, he joined Shell International, where he worked as a petroleum engineer and chief petrophysicist in Australia, England, Brunei, and California. In 1988, he returned to the Netherlands, leading Shell's global Formation Evaluation team and later directing a petroleum engineering group focused on developing business opportunities in the former Soviet Union.

As an internationally recognized expert, Max published more than 20 scientific papers on petrophysical subjects and held two patents for wireline logging tools. He was one of the editors of *Petroleum Geoscience* and *Geophysical Prospecting* journals and served as a visiting professor at Curtin University in Perth, Australia, in 2002. That same year, he was selected as a Distinguished Lecturer for the Society of Professional Well Log Analysts (SPWLA). His contributions were honored with the SPWLA Distinguished Technical Achievement Award in 1996 and the Colorado School of Mines Technical Advancement Award in 2003.

Throughout his life, Max combined scientific excellence with integrity, generosity, and humor. His work, mentorship, and character left a lasting impact on colleagues, students, and the many communities he served.

In keeping with his lifelong dedication to the advancement of knowledge, he wished for his body to be donated to science, thereby supporting education and research that will benefit future generations. He will be remembered with respect and gratitude for his work, his integrity, his humor, and the many ways in which he enriched the lives of those around him.



# **Annual Symposium Exhibit and Sponsorship Opportunities**

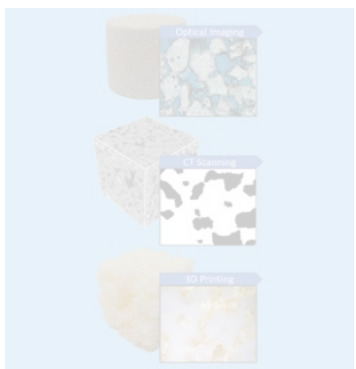
## **Available Now!**

**[www.spwla.org/Symposium](http://www.spwla.org/Symposium)**

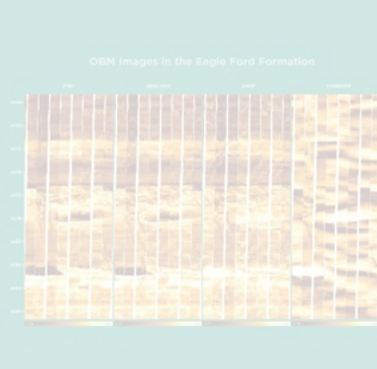


**May 16 – 20 | Conroe, Texas | US**

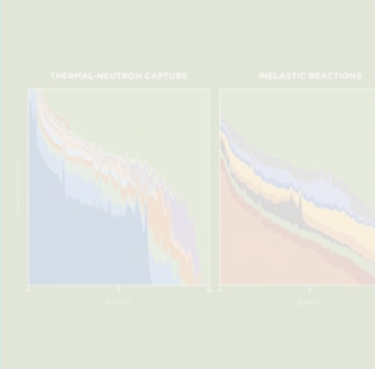
Margaritaville Hotel & Resort



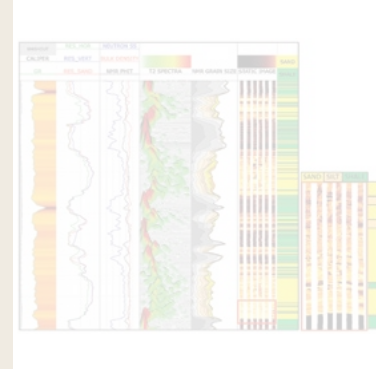
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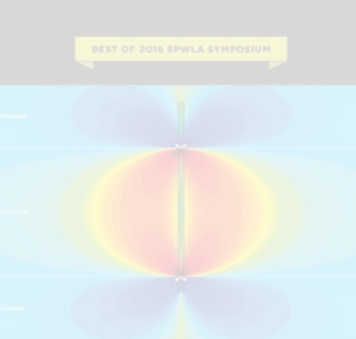
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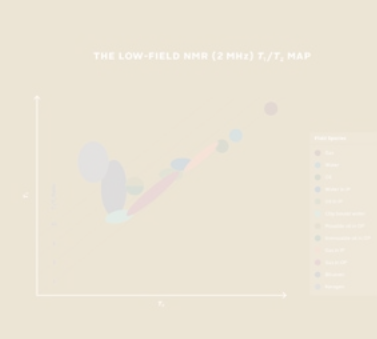
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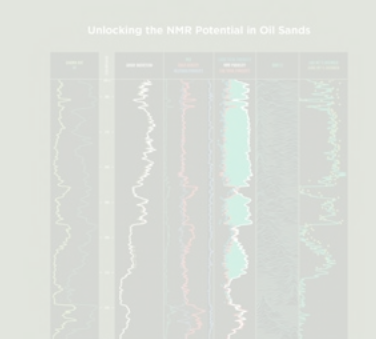
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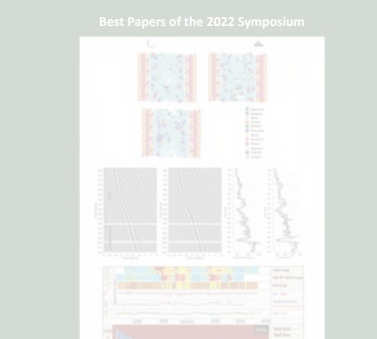
February 2015



August 2014



December 2023



December 2022



December 2024



February 2021

