



SPWLA HOUSTON

Advancing The Science
Of Formation Evaluation



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2025 Q4 Technical Seminars

Northside

Baker Hughes

2001 Rankin Rd

Houston, TX 77073

Westside

SLB - 6350 West Sam

Houston Parkway North

Houston, TX 77041

Uptown

Virtual / webinar

Chevron building

1400 Louisiana St

Houston, TX - 77002

**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**
By: Dr. Agustín Kriscautzky

**Quantification of CO2 Flow in Organic-Shale Formations Using
NMR Saturation Profile Measurements**
By: Ali Oshaish (University of Texas)

2024-2026 Executive Board



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December 6, 2025

Dear Members of the SPWLA Houston Chapter

I am repeating myself and will say again, time flies, as we've already entered the Holiday Season. Time for some reflection: 2025 has been a "productive" year and we were able to offer our members a total of 18 Technical Seminars on a wide variety of topics, monthly networking opportunities and, following a one-year hiatus, the return of the Houston Technology Show (read all about it in the next pages).

We are also planning on a well-deserved break, enjoying the festive season with family and friends, preparing to "spool up" once again for an exciting year: not only will the FIFA World Cup 2026 come to a stadium near you, the 67th SPWLA Annual Symposium will once again be held in our backyard (Lake Conroe). Abstracts have been reviewed, rated and ranked and acceptance notifications have been sent. Most, if not all, Special Interest Groups are proposing exciting learning opportunities through a wide variety of short-courses. I want to encourage all to not just take advantage of all these opportunities, but also to get involved in these courses and the symposium in general, be it as an instructor, a volunteer, or both. Yes, it will add to (y)our already busy lives, but it's also very rewarding and a great learning / development opportunity.

If you've been keeping track, you will know that the "tenure" of many Board Members, mine included, will come to an end in the spring of next year. Ask yourselves whether serving on our Board is for you. A call for candidates / nominations will go out early in the year, followed by elections. The Society as a whole, including the local- and student chapters, as well as the special interest groups, would come to a grinding halt without volunteers.

Wishing you and yours Merry Christmas / Happy Hollidays and a Happy, Healthy and Prosperous New Year 2026

Ron J.M. Bonnie
Houston Chapter President.

Sponsors and Friends of the Houston Chapter (Technology Show)

Q4 2025





Combined SPWLA Houston Chapter NMR-SIG Conference Networking Meeting, October 23, 2025

Tuesday, November 28th, 2025
11:30 am – 1:00 pm

GEOLOG Americas,
Houston

Uptown Technical Seminar & Lunch

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

By: Dr. Agustín Kriscautzky (GEOLOG)

Agustín delivered a compelling session filled with real-world data and fresh insights into combining AI algorithms with image and elemental analysis. This novel and practical workflow highlights the power of using drill cuttings for reservoir characterization.

Special thanks to GEOLOG for hosting us at their Houston facility and supporting the continued exchange of technical knowledge in the geoscience community.

And thank you to our amazing community for making this seminar a great success.

Contact: Andrew Hind, VP Downtown, SPWLA Houston Chapter

Email: vpdowntown@spwla-houston.org!



Andrew Hind (right) thanking Agustín Kriscautzky (left) for a great seminar

SPWLA – Houston Chapter News		Q4 2025
Wednesday, December 17th, 2025 11:30 am – 1:00 pm	Lobby Conference Room, 2200 West Loop South, Houston, TX 77027	Uptown Technical Seminar & Lunch
<p>Quantification of CO₂ Flow in Organic-Shale Formations Using NMR Saturation Profile Measurements <i>By: Ali Oshaish (University of Texas)</i></p> <p>Abstract Reliable evaluation of CO₂ transport in porous rocks is essential for several subsurface applications such as oil recovery and gas storage. Visualizing CO₂ front advancement is crucial for oil shales. The goal of this work is to evaluate the front movements during gas Huff-and-Puff (HnP) in shales. A Mancos shale core sample of 3.51% porosity and 112 nD permeability is used. The HnP cycles were performed in a Hassler core holder, with HnP pressure applied only at the sample inlet. Nuclear Magnetic Resonance (NMR) T_2 and high-resolution 1D saturation profile measurements were acquired after each cycle to monitor the spatial distribution of kerosene and track the advancement of the CO₂ front along the core length. The core is fully saturated with kerosene prior to conducting three CO₂ HnP cycles, each performed at an injection pressure of 3,000 psi and varying soaking times of 1 hr, 4.5 hrs, and 12.</p> <p>Biography Ali Oshaish is a Petroleum Engineer and Graduate Research Assistant at The University of Texas at Austin specializing in petrophysical and fluid-flow characterization of unconventional reservoirs. His work integrates advanced geophysical measurements, such as NMR, dielectric dispersion, and spectral induced polarization, with analytical modeling and AI/ML techniques to quantify petrophysical properties and simulate fluid transport in organic-rich mudrocks. Ali brings over 11 years of oilfield and engineering experience to his research, encompassing wireline formation evaluation and surface production and completion systems with Schlumberger and Cameron. He holds a B.S. and M.S. in Petroleum Engineering from King Fahd University of Petroleum & Minerals and is currently pursuing his Ph.D. at UT Austin. His research focuses on integrating geochemistry, adsorption isotherms, and NMR to enhance reservoir characterization and improve production prediction in unconventional systems.</p>		

2025 SPWLA Houston Technology Show

December 5, 2025

Following a 1-year hiatus, the annual SPWLA Houston Technology Show has returned with a bang. A long time in the making, with preparations starting early summer, we were able to offer a great program with 11 companies showcasing their latest technology offerings and a technical program with 10 invited talks / speakers and an exceptional key-note by David Bat, President at Kimberlite Oilfield Research. The discussion afterwards was a testament of how relevant and on-key (pun intended) his speech was. My expectations were high and David did not disappoint. In fact, his speech exceeded my expectations. We had a total of exactly 100 pre-registered participants and a few walk-ins.

New this year, a “rapid fire presentation” allowing all exhibitors to briefly mention elevator-pitch-style what’s new and exciting in their booth. Also new, a special afternoon program for the students from UH and UT with a tour of Halliburton’s facility and presentation of the various technologies, labs and manufacturing areas.

As I mentioned in my opening remarks, organizing an event of this size is a team effort, requiring commitment and hard work. I want to thank the Executive Committee for all that they have done to make this event not just happen, but the great success it was. Thanks also to Halliburton for offering their facility as the home of the 2025 Tech Show and the numerous volunteers that were instrumental to a glitch-free event. I want to single out Halliburton’s Gabriela (Gabby) Davalos and SPWLA President Bob Gales – both were particularly instrumental in the success of the show. And, of course, our sponsors and exhibitors: there would not have been a Technology Show without them.



Chapter President Ron Bonnie opens the 2025 Houston Technology Show



2024-2026 Executive Committee; missing are Ali Eghbali (VP Northside) and Muhammad Norman Khan (Editor)

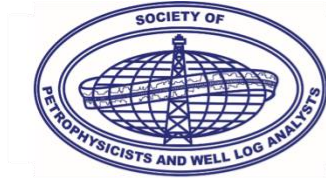


Keynote speaker David Bat answering questions from the audience



Participants of the 2025 Houston Technology Show

Bonus – a few candid photos from the Show



HOUSTON CHAPTER
Society of Petrophysicists and Well Log Analysts

2025 Technology Show





