# President

**Nelson Suarez Arcano**, known in the industry by his moniker "**NSA**", is a distinguished Petrophysics leader and innovator with a 20-year international career in the Oil & Energy industry, with a global footprint spanning six continents: The Americas, Europe, Asia, Oceania and Africa. He currently serves as the Petrophysics and Geosteering Advisor at Pangea Geoscience in Houston. He is a Petroleum Engineer with extensive international experience in Petrophysics, Production, Geology and Geomodelling, Reservoir Engineering with a focus on business needs and priorities in onshore and offshore, surface/subsurface, consolidated carbonates and unconsolidated sandstones, deep HPHT and shallow, conventional and unconventional plays in the Oil&Gas industry.

**Position / Personal Statement**

I will work to be the link between any current or future member of the SPWLA, the most seasoned Petrophysicists, the Juniors that we need the most (the bloodline of our society) and the SPWLA board of directors in order to advance in what I believe remains as the two of the main interests of our society, relevant points that I have encouraged in Middle East / Africa / Latin America and now I want to encourage it in this Chapter:

** SPWLA Integration:* The people (the most important), we should not limit ourselves to only the Petrophysical community, we in Petrophysics are a piece of the puzzle and interact with many disciplines, geologist, engineers, drillers, economists, managers, we need to spread knowledge at the subsurface level, this is part of our SPWLA mission (knowledge sharing). More ideas? Here is a channel to listen and escalate them.

** SPWLA increase of membership:* Why have other Oil & Gas organizations grown through these years and SPWLA hasn't or hasn't at the same pace? There are many reasons, but the one I believe is the most important is that "our organization is different", we have a clear differentiation among the other organizations and this is a critical issue that is still affecting the survival of the organization and the retention of the knowledge that has been fortunately well preserved during the SPWLA era and the local chapter's existence (no matter how big or small or the geography, with without Pandemic, with office work or home office).

LinkedIn profile: https://www.linkedin.com/in/nelson-nsa-suarez-arcano/

# Vice President Northside

**Carolina Martinez** - Over the past nearly 20 years, my career has spanned subsurface evaluation, commercial leadership, and energy transition work across the Americas, and I have seen firsthand the value that strong technical communities like SPWLA bring to our industry.
In my current role as Sales Leader for North America and the Caribbean at GaffneyCline energy advisory, I work closely with operators and multidisciplinary teams to support high impact technical and commercial decisions across the U.S. and beyond. My career has taken me through roles in Alaska, Pennsylvania, Latin America (Venezuela, Ecuador, Colombia, Peru), and across the continental U.S., giving me a broad perspective on how collaboration, knowledge sharing, and professional networks directly strengthen both individuals and organizations.

**Position Statement**
If elected as Northside Vice President, my focus will be on delivering engaging, relevant technical programs that reflect the real challenges and opportunities our members are facing today. I am particularly interested in creating forums that bring together traditional petrophysics and formation evaluation expertise with emerging energy topics, while also encouraging participation from early career professionals and students.
I also see strong opportunities to grow participation through better outreach and visibility. By making thoughtful use of social media and by collaborating with other professional societies and women's networks, we can continue to expand our membership and strengthen connections across the Houston technical community.
I am deeply committed to SPWLA's mission and to fostering an inclusive, welcoming environment where professionals at all career stages feel encouraged to engage, present, and lead. I would be honored to serve the Northside SPWLA community and to contribute to the continued growth and success of our chapter.

LinkedIn profile: https://www.linkedin.com/in/acarolinamartinez/

**Zhonghuan Chen** is a principal research scientist in Halliburton.
He works on subsurface fluid identification, borehole fluid sampling/injection, formation testing, fracturing evaluation for subsurface tools, and process control for surface well testing.
Zhonghuan received a PhD in control science and engineering from Tsinghua University in 2013, and then worked for CGG on seismic data analysis and imaging before joining Halliburton in 2020.
He has more than 15 years research experience in physical modelling and inversion on wave propagation, heat transferring and fluid flow dynamics problems.

LinkedIn profile: https://www.linkedin.com/in/zhonghuan/

# Vice President Westside

**Liang Shan** is an engineering professional with approximately 20 years of global experience in the oil and gas industry, spanning drilling, completion, and well intervention domains. He currently serves as General Manager for Coiled Tubing, Stimulation & Completion at KERUI Petroleum Technology in Houston.

Prior to this role, Liang spent over a decade with Shell across Houston and the Netherlands, contributing to wells technology R&D, real-time operations monitoring, and global project execution. His career also includes field engineering and offshore/onshore operational experience with Schlumberger, where he built a strong foundation in wellsite execution and measurement technologies.

Liang brings a unique combination of technical depth and cross-functional leadership, with proven strengths in:

- Well engineering and downhole technologies
- Real-time data interpretation and operational optimization
- Technology development and field implementation
- HSSE leadership and performance excellence

He has led multidisciplinary teams, standardized technical processes, and delivered high-reliability solutions aligned with global business objectives. His experience spans research, field operations, and management, enabling him to bridge gaps between technology, operations, and industry collaboration.

**Position Statement**

As a candidate for VP Westside, Liang aims to:

- Strengthen engagement within the West Houston technical community
- Promote knowledge sharing between operators, service companies, and researchers
- Support professional development for early-career and experienced members
- Enhance collaboration across disciplines, including well logging, completion, and intervention technologies

Liang is committed to contributing his industry experience, global perspective, and collaborative approach to support the continued growth and impact of the SPWLA Houston Chapter.

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**Tarek S. Mohamed** is a Senior Research and Development Engineer and a Subsurface Scientist at SLB, working on various projects spanning petrophysics, reservoir engineering, machine learning and AI, and geophysics. I am the inventor and co-leader 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. I authored and co-authored 20 technical papers accepted by several international technical organizations, including SPWLA, SPE, SEG, AAPG, and ACS, and published in peer-reviewed journals or presented at major energy conferences. My expertise includes reservoir numerical modeling and simulation, petrophysics and formation evaluation, data science and machine learning, reservoir characterization, and well-test analysis. Tarek holds a PhD in Petroleum Engineering from the University of Texas at Austin and an MS in Petroleum Engineering and a Graduate Certificate in Data Science and Analytics from the University of Oklahoma. I completed and published projects with collaborators from academia, oil and gas industry, and Los Alamos National Laboratory, where I studied several oil and gas fields across the world, spanning conventional and unconventional reservoirs and deepwater and onshore assets. I received international technical awards and recognitions, including being selected as an SPWLA Global Distinguished Speaker for 2023-2024 and an SPWLA Regional Distinguished Speaker for North America for 2024-2025.

LinkedIn profile: https://www.linkedin.com/in/tareksmohamed/

# Secretary

**Valarie Armenta** is a results-driven professional in the oil and gas industry, currently supporting clients through Intertek's Westport Technology Center. With a strong focus on building lasting relationships, she works closely with operators and service companies to deliver solutions across routine core analysis, analytical chemistry, and specialized testing services. Valarie is known for her client-first approach, combining technical understanding with a strategic mindset to help partners navigate complex projects and make confident decisions. She takes pride in being a reliable resource, ensuring quality, responsiveness, and value in every engagement. Passionate about growth and connection, Valarie is also an advocate for strengthening relationships within the industry, particularly supporting and uplifting women in oil and gas.

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**Azeem Chohan** is a Petrophysicist at Baker Hughes with a focus on open hole formation evaluation, NMR, acoustics, as well as geomechanics. Since joining the company in 2013, he has worked other roles such as a Remote Operations Engineer where he monitored drilling operations in real-time and developed multiple alarm algorithms for early kick detection. Prior to Baker Hughes, he was a Processing Geophysicist at Seismic Exchange. He obtained a Bachelor of Science in Geophysics from University of Houston in 2012 and a Master of Engineering in Petroleum Engineering from Texas A&M University in 2019. In his free time, he enjoys spending time with his family, training and teaching Brazilian Jiu Jitsu, and lifting weights.

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# Treasurer

**Adam Haecker** works in Houston as a Director of Geoscience for Milestone Environmental Services, a company dedicated to delivering waste sequestration solutions. His research interests include Permian basin seismicity, Permian basin structure and tectonics, supercritical CO2 relative permeability and critical pressure calculations, advances in MICP, organic shale petrophysics, and finally rock mechanics. Prior to Milestone, Adam worked as a petrophysicist for Battelle Memorial Institute, Continental Resources, Chesapeake Energy (now Expand Energy), and Cabot Oil and Gas (now Devon Energy), as well as Weatherford Wireline as a field engineer.

Adam graduated from Texas A&M in 2007 with a B.S. in Geology. He served as the Vice President of Finance, Secretary and Administration for the international SPWLA (2021-2023) and as North America Regional Director 1 (2018-2020). Adam speaks English and conversational Japanese.

**Position Statement**

I am committed to ensuring the SPWLA Houston Chapter remains on solid financial footing while continuing to deliver value to our members. By maintaining responsible budgeting and strengthening sponsorship engagement, we can support high-quality technical programming and networking opportunities. At the same time, I believe in revitalizing member engagement by bringing back free beers at the Cedar Creek happy hour. If the finances permit it. Additionally, I would like to organize at least one chapter golf tournament per year.

LinkedIn profile: https://www.linkedin.com/in/adamhaecker/

**John Headland** is a software engineer at SLB, specializing in developing digital solutions for petrophysics and drilling workflows. He has experience in both technical and project coordination roles and is passionate about fostering collaboration in multi-disciplinary teams. John holds a bachelor's degree in Computer Science and has been working in the energy industry for five years, contributing to a range of projects that bridge technology and subsurface interpretation.

**Position Statement:**

As a candidate for the Treasurer position, I am committed to upholding the highest standards of accuracy and accountability in managing the Houston Chapter's financial matters. My professional background has required meticulous attention-to-detail and record keeping, which are qualities I will bring to the Treasurer role. I look forward to serving the SPWLA Houston Chapter community and contributing to our growth.

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# Editor

**Michael T Myers** received his bachelors in Physics in 1974 from Michigan Technological University, his Masters in 1976 and PhD in 1981 both from the University of Michigan. He then joined Shell and immediately took an assignment working for Shell California Production Incorporated as a Petrophysicist. After close to two years of operating company experience he returned to the Bellaire Research Center in Houston where he spent the rest of his Shell career. His final position was as the Global Principal Technical Expert for Coring and Core Analysis. He had the privilege of working with such industry icons as Monroe Waxman, E.C. Thomas, Ben Swanson, and George Hirasaki.

His research interests include understanding the dielectric constant of shaley sands, carbonates and shale gas reservoirs, the compressibility of unconsolidated sands and the prediction of rock properties from thin section and micro-CT data (digital rocks). After 30 years of experience in laboratory petrophysics working for Shell, he moved to the University of Houston where he has assumed the position of Associate Professor.

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