

SPWLA FT SIG 2022-2023 Board Elections

April 12th to April 30th

SPWLA and FT SIG members can vote

Elections are anonymous and run by SPWLA

Results will be announced on May 06th



[Margaret Waid](#)

Chair

The Waid Group

[bio](#)



[Steve Smith](#)

Chair

Baker Hughes

[bio](#)



[Gibran Hashmi](#)

Vice-Chair

Halliburton

[bio](#)



[Camilo Gelvez](#)

Secretary

BP

[bio](#)



[Maria Cecilia Bravo Segnini](#)

Secretary

Schlumberger

[bio](#)

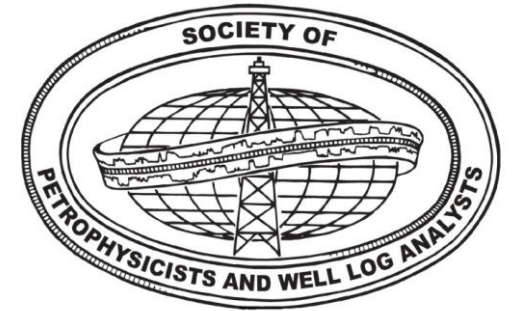


[Scotty Paul](#)

Treasurer

Schlumberger

[bio](#)



Margaret (Cowsar) Waid

I have a history of advancing the science of formation evaluation with formation testing and I am still practicing this myself, doing new research in 2022 and being awarded and filing US and international patents in formation testing in 2021. At Schlumberger, I developed and tested both the first Cased Hole Formation Tester and the first Selective Perforating Tool with Pressure Measurements. At Sperry-Sun, I became worldwide production services manager and fully developed pressure while perforating.

While at Halliburton, I was invited to become a member of a task force of 25 industry experts. Greenpeace sinking rigs in the North Sea. Halliburton was ready to build a formation tester. I set out to develop models and analysis before Halliburton built a tool. For my Ph.D. dissertation, I solved a 110+ year old mathematical partial differential equations problem to expand reservoir models from homogenous to non-homogeneous reservoirs. We needed near-wellbore models to link with fluids being moved from the formation through a formation tester tool into a sample bottle. There was an Ansys finite element model for heat equations. I was expert on making heat equations into porous media equations. We developed models for the RDT. The model had to be validated. An engineer from Amoco found a well and we validated the model. So Halliburton built the RDT. As a contributing inventor, Halliburton was issued 14 related patents. I also worked with a Halliburton team in Carrollton, TX, to develop and patent a new formation tester tool called an Early Evaluation System. A tool prototype was first built and tested in Carrollton, and then the tool was built in Houston. This tool followed Pathfinder when Sperry-Sun joined Halliburton and, with Pathfinder, went to Schlumberger. It is now in use by Schlumberger and referred to as ORA.

I was hired by Exxon Exploration to evaluate FT tools. I was hired by Precision Drilling to evaluate an FT tool. I joined Precision Energy Services as Sr Project Manager for new formation tester tool. Custom Sensors and Technology holds 3 of the patents for which I am inventor and Weatherford holds 19 more.

In 2010, for conventional wells, the SEC accepted samples obtained by formation tester tools and pressure testing and fluids analysis as a substitute for Drill-Stem Testing!

I became the Project Manager for Pietro Fiorentini (US), Inc. to build formation tester tool. I am a contributing inventor for all 4 patents issued in 2021.

I have served in 2 elected positions of international leadership for SPWLA and SPE .

Steve Smith is a Senior Petroleum Engineer with Baker Hughes Reservoir Technical Services group with 27 years of industry experience. He has a B.Sc. in Electrical Engineering from the University of Colorado and a Master's Degree in Petroleum Engineering from Heriot-Watt University. After gaining extensive operational experience as a wireline field engineer with Western Atlas / Baker Hughes in the US, Vietnam, Australia, North Sea, and Papua New Guinea he held account management and technical management roles for Baker Hughes wireline in Australia, UAE, and Saudi Arabia. He then worked as a Senior Geoscientist in the UAE and gained experience with analyzing production logs, pulsed neutron logs, cement bond logs, and casing integrity logs. In 2014 he started supporting formation testing and fluid sampling operations in the UAE with Baker Hughes Geoscience and became the Middle East Regional FT SME. In 2019 he relocated to Houston as the North America Regional FT SME for Baker Hughes. He has extensive experience with preparing models and simulations, providing real-time support, and post-job analysis of formation testing operations such as gradient analysis, miniDST/VIT/PTA, fluid sampling, and microfrac. He has authored and co-authored over a dozen technical papers and posters, and has presented at industry conferences on the topics of microfrac measurements, pressure transient analysis and vertical interference testing, as well as LWD fluid sampling.

Position/Personal Statement

I've been an active member of SPWLA since 2007 supporting and participating at local chapter meetings in the UAE, Saudi, and now Houston as well as presenting at the Annual Symposium last year. It's a privilege to be considered for the role of FT SIG Chair. I'm passionate about continuous, life-long learning so applying new techniques and information while taking stock of the vast amount of research and knowledge that is continuously added to the FT discipline is something I strive for in my work and, I believe, is central to the FT SIG mission. And the exchange of ideas amongst peers in a format that protects confidentiality and yet fosters open discussion is a strong catalyst for learning. I think it's essential that the FT SIG continues to promote and organize technical presentations on topics related to formation testing in both webinar and in-person formats when possible. As far as areas of focus I think it would be interesting for the SIG to explore the role of FT in the Energy Transition. Applications in CO2 storage and geothermal exist but there will be more applications as the Energy Transition gathers pace, and discussing these would be beneficial to the broader industry. Another focus area (an ongoing one for everyone in the FT discipline) is integration of FT data with other measurements. Showing how different measurements, static and dynamic, provide a more complete understanding of the subsurface is a vital tool for improvement and growth both individually and for our respective companies and institutions. Having worked in several locations around the globe, I also believe that there is much to be learned from cross-regional discussions. I encourage these and I think one of the benefits from the COVID pandemic is our growing comfort level with virtual meetings and webinars which allow these discussions. Finally, there is always a need to find, support, and grow young and talented engineers and petrophysicists. I think the FT SIG has a role to play in this area; first to help spur interest in FT, second to serve as a resource on fundamental FT principles, and third to encourage and facilitate these young people with their own new FT ideas and applications.

Gibran Hashmi is a global reservoir engineering domain expert with Wireline & Perforating product line at Halliburton. His areas of interest include reservoir characterization, well testing, production analysis, reservoir simulation, fluid and heat transfer in wellbores, petrophysics and geomechanics. Dr. Hashmi holds a Bachelor's degree in chemical engineering from University of Minnesota, and Master's and PhD degrees in petroleum engineering from Texas A&M University. During his time in the industry, Dr. Hashmi has worked extensively on reservoirs globally, analyzing pressure transient tests in different lithologies worldwide. He has authored more than 15 industry publications and holds four patent applications. He conducts internal trainings on aspects of reservoir engineering and formation testing and sampling

Camilo Gelvez works as a Petrophysicist at BP. He focuses on formation evaluation and fluid sampling applications to integrate formation testing and petrophysical workflows with reservoir description. He holds a B.S. in Petroleum Engineering from Universidad Industrial de Santander (Colombia, 2009), a M.S. in Petroleum Engineering and Project Development from IFP School (France, 2011) and a M.S. in Petroleum Engineering from the Hildebrand Department of Petroleum and Geosystems Engineering at the University of Texas at Austin (United States, 2020). From 2010-2013 he worked as Production Engineer in CEPESA, developing exploratory fields. During 2013-2017, he worked as Reservoir Engineer in Mansarovar Energy, modeling and characterizing mature oil fields. Camilo worked in research at the University of Texas at Austin from 2017-2021, developing methods to characterize hydrocarbon reservoirs during fluid cleanup and sampling.

Maria Cecilia Bravo Segnini completed a BSc degree in Chemical engineering at the Simon Bolivar University in Venezuela and obtained a MSc in petroleum engineering from Heriot-Watt University in Scotland. She started with Schlumberger in 2008 as an L/MWD Field Engineer in drilling operations then joined the Reservoir Engineering Petrotechnical Services team supporting downhole pressure and fluid sampling analysis for offshore operations. From 2012 to 2020, worked as a senior reservoir engineer and being the Drilling & Measurements Reservoir Domain Champion in Schlumberger for Norway and Denmark, where she was involved within the Drilling Group leading projects on data integration, formation pressure and sampling-while-drilling and related operations. Currently she is part of the drilling remote operations monitoring team in Schlumberger Norway.

Additionally, she is an active volunteer in Geolatinas and Software Underground, where she has been using her data science skills achieving some technical publication on data analysis and leading python course

Scott Paul is a Principal Reservoir Engineer currently supporting the LWD reservoir portfolio in North America located in Houston, USA. He joined Schlumberger in 2003 and has held several positions in field operations and Operations support in Drilling & Measurements as well as a Reservoir Team Lead. He holds a Bachelor of Engineering degree (Hons) from the University of Auckland, NZ and a postgraduate diploma in Petroleum Engineering from Heriot-Watt University, Edinburgh.