REGISTRATION BROCHURE

SPWLA 2026 NMR SIG Conference

10–11 September 2026

Hosted by Baker Hughes, Celle, Germany

In Person Only – Off the Record

The Executive Committee of the SPWLA NMR Special Interest Group (SIG) invites the NMR community to the SPWLA 2026 NMR SIG Conference, held 10–11 September 2026 at the Baker Hughes facility in Celle, Germany.

The meeting brings together professionals from operating companies, service companies, independent consulting, and academia—ranging from NMR specialists to colleagues with a broader interest in NMR—for two days of technical exchange focused on NMR science, measurement technology, and subsurface applications.

All sessions are off-the-record: no recording, no photos, no video, and no proceedings.

Information Disclaimer

Details in this brochure are subject to change as event planning continues. Prospective participants should refer to the SPWLA NMR SIG website for the latest updates and official information.

Conference Scope

- NMR petrophysics
- NMR logging
- NMR core analysis
- NMR data processing and corrections
- NMR sensor technology
- NMR emerging technologies

Conference Schedule & Format

Main Conference: Thursday–Friday, 10–11 September 2026

Optional Pre-Conference Program sponsored by Baker Hughes (capacity-limited):

- Wednesday, 9 September 2026
  - Baker Hughes Test Rig visit (ca. 14:30–16:30)
  - On-site networking reception (ca. 16:30–18:00)
- Separate registration required for planning and capacity management.
- Safety is our highest priority, and full compliance with all HSE requirements is essential for every visitor.

Keynote Speaker: Matthias Appel

Matthias is the Shell Chief Scientist for Geological Sciences & Engineering, having joined Shell in 1997 after earlier experience with Exxon. Throughout his career, Matthias has focused on developing technologies for reservoir characterization and Petrophysics. His career spans roles in research, research management in Houston and Amsterdam, and operational petrophysics. He is recognized as a specialist in core analysis and magnetic resonance technologies, showcasing innovative scientific acumen to identify and influence technology trends in industry and academia relevant to the characterization of porous materials. He actively collaborates with academic and commercial partners in the US, UK, Europe and Brazil, playing a pivotal role in driving technical expertise for enhancing the prediction of transport properties of pore fluids. He holds a Ph.D. in Physics from Leipzig University and serves in leadership roles of several international professional societies.

Preliminary keynote title:
From Voxel to Pore: Integrating Relaxometry and MRI in Reservoir Characterization

Host Welcome: Sven Krüger

(Senior Engineering & Technology Director, Baker Hughes)

Conference Opening: Radu Coman

(Conference Chair; President – SPWLA NMR SIG)

Invited Speakers and Presentation Titles

Ridvan Akkurt - Who Said NMR was for Perm? My First NMR Logging Job

Christoph Arns - NMR Response Interpretation Utilizing Digital Rock Physics

Bruce Balcom - MR and MRI in Core Analysis with a Variable Field Superconducting Magnet

Bernhard Blümich - Low-Field NMR: From the NMR-MOUSE to Benchtop NMR Spectroscopy

Martin Hürlimann - Taming and Exploiting Spins in Inhomogeneous Fields: A Personal Journey Through NMR Logging

Philip Singer - Towards Hydrogen Geostorage in Partially Depleted Gas Shales

Yi-Qiao Song - Characterization of Basalt Formations

Boqin Sun - NMR T_2 Modes Permeability in Unconventional Formations

Harry Xie - T_2 Distribution and the Associated Petrophysical Parameters: Reality or Misconception in NMR Data Interpretation

Technical Program

The technical program comprises contributed presentations in addition to invited speaker lectures. All accepted abstracts will be presented as oral contributions. Depending on the final program structure, some contributions may be scheduled as shorter oral presentations. Detailed scheduling and presentation formats will be communicated with the release of the final agenda.

Accepted abstracts are listed below in alphabetical order by title.

Application of NMR for Sampling Optimization and Managing Fluid Identification Uncertainty in Exploration Wells
D. Spivakovska[1], P. 't Panhuis[1], D. de Kort[1], M. Singhal[1], M. Fam[2], H. Mora[2] -- [1]Shell, [2]Halliburton

Beyond Conventional Logs: Integrating LWD Azimuthal Formation Testing, and NMR-Based "Free Fluid Ratio" for Advanced Geosteering in Heterogeneous Carbonate Reservoirs
M. Fouda[1], A. Taher[1] -- [1]Halliburton

Beyond Conventional Logs: Leveraging Real-Time LWD NMR for Sweet Spot Identification and Optimized Well Placement
M. Elkholy[1], A. AbouZaid[1], Y. Al Ansari[1] -- [1]Baker Hughes

Comparing the Effect of Water-Based Mud and Oil-Based Mud Invasion on NMR Responses: A Field Study from Offshore Netherlands
T. Bradley[1], M. A. Chohan[1], M. Bron[2] -- [1]Baker Hughes, [2]Wintershall

Enhancing Reservoir Characterisation and Productivity in Complex Geological Settings Through NMR Log and Core Insights
S. N. F. Zulkipli[1] -- [1]PETRONAS Carigali

Evaluation of Quantitative NMR for Monitoring Lithium Extraction from Oilfield Brines
R. Jaizani[1], R. Alqahtani[1], S. Alshammari[1], S. Komies[1], H. Saleem[1], S. Alhajri[1] -- [1] Aramco

Extending NMR Fluid Substitution to Sandstone and Beyond
H. Thern[1] -- [1]Baker Hughes

Hybrid Determinant and Sample-Based Adaptive Echo Selection for Accelerated NMR T_2 Inversion
W. Zhang[1,2], W. Liu[1,2], W. Zhang[1,2], Z. Long[1,2], Y. Xing[1,2] -- [1]Chinese Academy of Sciences (Beijing), [2]Univ. of Chinese Academy of Sciences (Beijing)

Instrument-Response-Aware Bloch–CPMG Forward Modeling of Motion-Induced Apparent T2 Artifacts for an NMR Logging-While-Drilling Sensor
Y. X. Xing1,2, W. X. Zhang1,2, W. Liu1,2, Z. H. Long1,2, W. H. Zhang1,2 -- [1]Chinese Academy of Sciences (Beijing), 2Univ. of Chinese Academy of Sciences (Beijing)

Multidimensional NMR Sensitivity Analysis: Focusing on Gas Applications in Conventional and Tight Reservoirs
N. Bachman[1], Y. Wang[1], Z. Ramadan[1], S. Utsuzawa[1] -- [1]SLB

Near-Wellbore CO_2 Hydrate Formation and Injectivity Loss in Depleted Gas Reservoirs: In-Situ MRI/NMR Quantification in Sandstones
D. W. de Kort[1], E. C. Keijzer[1], T. Zaynetdinov[1], R. Farajzadeh[1], M. Appel[1], T. G. Sorop[1] -- [1]Shell

NMR to Characterize Geothermal Flow Potential in an Unconsolidated Shallow Marine Reservoir in Eocene
S. Ganguly[1], M. Kozlowski2, J. van den Broek[1], M. Brussée[1], M. ter Borgh[1] -- [1]EDN, 2Halliburton

Optimizing Signal-to-Noise Ratio in NMR Logging: Implementation and Assessment of the FastICA Algorithm
P. Netto[1], P. Romero[2], G. Stael[3] -- [1]PETROBRAS, [2]Christian Houston Univ., [3]National Observatory Brazil

Physics-Informed Prejob Prediction of NMR Noise and Vertical Resolution
R. Coman[1] -- [1]Baker Hughes

Quantitative Analysis of Lithium Using Nuclear Magnetic Resonance (NMR) Spectroscopy in Hypersaline Brines
F. Bajabaa[1], S. Alhajri[2], H. Saleem[2], S. Alshammari[2], S. Komies[2] -- [1]King Abdulaziz Univ., [2]Saudi Aramco

ROP-Induced Effects in NMR LWD: Real-Time Correction of Porosity and T_2 Distribution with Integrated T_1 Estimation
O. Mohnke[1], W. Weinzierl[1], H. Thern[1], R. Coman[1] -- [1]Baker Hughes

The Importance of Thermal Calibrations in Downhole Logging
R. Jachmann[1], B. Wiecek[1], J. Yang[1], J. Gonzalez[1] -- [1] Halliburton

Unlocking Complex Reservoir Insights with Next Generation LWD NMR Measurements – A Case Study from Offshore Abu Dhabi
A. M. Serry[1], S. Yousif[1], S. S. Al Eissaee[1], K. Alhosany[1], S. Bong[2], R. Gomes[2], D. Bourgeois[2] -- [1]ADNOC Offshore, [2]SLB

Validation of NMR Core Calibration for the Rotliegend Group by Integration of Core, Log & Well Test Data in Geothermal Exploration Wells in the Netherlands
J. van den Broek[1], S. Ganguly[1], M. Kozlowski[2], A. Janszen[1], H. van Lochem[1], M. ter Borgh[1] -- [1]EDN, [2]Halliburton

When Do NMR Fluid Substitution Methods Agree? A Comparative Study Across Chalk, Heterogenous Sandstone, and Laminated Reservoirs
A. Eghbali[1], H. Thern[1], B. Li[1] -- [1]Baker Hughes

Conference Venue

- Baker Hughes – Celle Technology Center
- **Address**: Baker-Hughes-Str. 1, 29221 Celle, Germany

Visitor Access Information for the Baker Hughes Facility

To comply with Baker Hughes' standard visitor procedures, all external participants are required to complete a routine access check before entering the Baker Hughes Celle Technology Center.

The following information will be collected during registration:

- Family Name (as in passport):
- Given Name(s):
- Nationality:
- Employer (or "private"):

Only the minimum information needed for visitor registration is collected, and it is used solely for access coordination with Baker Hughes Security.

Once your details have been entered into the visitor system and the access check has been completed, you will receive an email with a link to complete the mandatory online safety briefing. This safety briefing must be completed prior to arrival at the facility.

Participants are strongly encouraged to complete the access and safety process at an early stage, and in particular before making travel arrangements such as booking flights and accommodation.

In the unlikely event that site access cannot be granted after registration, the conference registration fee will be fully reimbursed.

Governance

Conference Chair: Radu Coman (Baker Hughes)

Program Committee (alphabetical):

- Nate Bachman (SLB)
- Ron Balliet (Halliburton)
- Ron Bonnie (SPWLA)
- Radu Coman (Baker Hughes)
- Daan de Kort (Shell)
- Kris Farmer (Core Laboratories)
- Saleh Komies (Saudi Aramco)
- Amr Mohamed Serry (ADNOC Offshore)
- Hege Christin Widerøe (Equinor)

Abstract reviews by the members of the Program Committee and the members of the SPWLA NMR SIG Executive Committee.

Agenda Overview

A detailed agenda will be released by late July / early August 2026.

Transportation from Hannover Airport to Celle

Hannover Airport (HAJ) is the closest major airport, located approximately 38–40 km from Celle.

Taxi / Uber

Taxis are readily available upon arrival at **Terminal A** of Hannover Airport.

Alternatively, a ride service **(Uber)** can be used. We recommend downloading and setting up the app in advance.

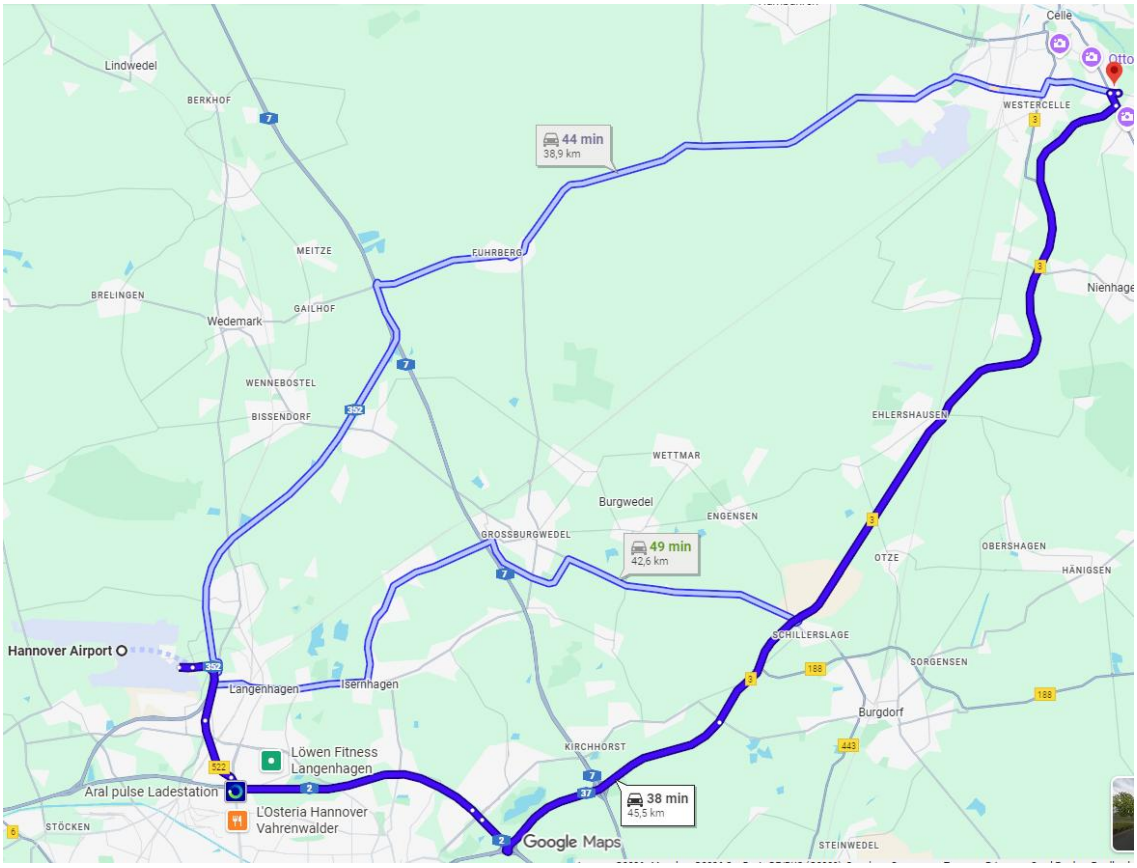
Travel time: ~38–45 minutes
Typical fare: €100–€130

Airport Shuttle Services (e.g., e-shuttle.de)

Advance reservation is typically required. Recommended for pre-arranged, fixed-price transfers.

Rental Cars

Available directly at Hannover Airport.
Attendees considering rental cars should verify hotel parking availability and costs beforehand.



*Map data © Google Maps, access date January 2026.

Our Suggestions for Accommodation

Hampton by Hilton Celle
77er Str. 1
29221 Celle
Tel. +49 5141 90900
https://www.hilton.com/en/hotels/hajeehx-hampton-celle/

IntercityHotel Celle
Nordwall 20
29221 Celle
Tel. +49 5141 2000
Email: celle@intercityhotel.com
https://hrewards.com/de/intercityhotel-celle

Hotel Caroline Mathilde
Alter Bremer Weg 37
29223 Celle
Tel. +49 5141 980780
https://caroline-mathilde.de/
Booking via: Wallbaum Hotel Marketing
Email: wallbaum@Besserbuchen.com
Tel. +49 5141 709050

Althoff Hotel Fürstenhof
Hannoversche Str. 55 -56
29221 Celle
Tel. +49 5141 201 0
Email: reservation@fuerstenhof-celle.com
https://www.althoffcollection.com/de/althoff-hotel-fuerstenhof-celle

Please note:
The SPWLA NMR SIG does **not** have agreements, room blocks, or negotiated rates with any hotels. Participants are responsible for making their own reservations.

As September can be a busy period in Celle, we recommend booking accommodation early to ensure availability.

Transportation from Hotels to Baker Hughes Facility

Conference Bus: A dedicated conference bus will provide transportation between the recommended hotels and the Baker Hughes Celle Technology Center (CTC) each day. Morning pickup and evening return times will be announced closer to the conference date.

Taxi / UberX can serve as a fallback if the conference bus is missed.

Public buses are available, but this option is not recommended for the morning transfer unless you are familiar with local routes. Tickets on the bus can be purchased cash-only. Schedule and price information: https://cebus-celle.de/en/

For participants traveling by **private or rental car**, complimentary on-site parking is available at the Baker Hughes Celle Technology Center.

On-Site Logistics

- Guest Wi-Fi available
- Catering: coffee breaks, lunches

Off the Record Policy
No personal photography, no video recording, and no audio capture by attendees.

A small number of official, SIG-authorized photos may be taken by designated organizers for documentation purposes (for example, a presenter at the title slide or the moment a speaker receives the speaker gift). These photographs will not include technical slide content.

Photo Consent
By registering for the conference, participants acknowledge that a small number of official event photos may be taken as described above. These may include non-technical group photos (for example, at the welcome, break times, or closing) that may be used for SPWLA NMR SIG LinkedIn posts. Attendees who prefer not to appear in any official photos are kindly asked to inform the Conference Chair in advance.

Visa Information for International Participants

If you reside outside the Schengen area, please verify early whether you require a Schengen visa to enter Germany.

For participants submitting an abstract:
If your abstract is selected for presentation *and* you require a visa, the SPWLA can provide a Letter of Invitation (LOI) to support your visa application.

LOIs can only be issued to accepted presenters. If you anticipate needing a visa, please plan accordingly to ensure sufficient processing time at your local consulate.

Registration Fees

- SPWLA members: 200 USD
- Regular participants: 250 USD
- Students: 100 USD

Registration is via the SPWLA event webpage and will close on **21 August 2026**.

The optional pre-conference program on Wednesday, 9 September 2026 is open to all attendees; however, advance registration is required due to limited capacity and planning need.

Refunds and Cancelations:

In the unlikely event that site access to the Baker Hughes facility cannot be granted after registration, the conference registration fee will be fully reimbursed.

If you are unable to attend the SPWLA 2026 NMR SIG Conference for other reasons, you may request a refund or transfer your registration to another participant in accordance with the conditions below.

Cancellations (Non-Emergency):

- Before10 August: Full refund minus a 10% processing fee.
- Between 11 August and 31 August: A 50% cancellation fee applies.
- After 1 September: No refund will be issued.

Transfers can be requested until 31 August. A $25 transfer fee applies when transferring a registration to another attendee.

All cancellations or transfer requests must be submitted in writing via email to the SPWLA Business Office and must include your full name and the conference details. Telephone requests cannot be accepted. Written confirmation will be provided within two business days.

Force Majeure: In the event of circumstances beyond the control of the organizers (e.g., severe weather, natural disasters, transportation shutdowns, or other force-majeure situations), SPWLA NMR SIG reserves the right to cancel, postpone, or modify the conference program. Refund decisions in such cases will follow SPWLA's standard refund policy, including the 10% processing fee.

In exceptional cases not explicitly covered above, the final decision on refunds rests with the Chair of the 2026 NMR SIG Conference.

Conference Sponsors

A limited number of standardized sponsorship opportunities are available. The Hospitality Sponsor option supports conference catering or equivalent logistics and is offered on a first-committed basis. The Industry Spotlight Sponsor, which is capped at one, supports the conference program without marketing rights and includes a single, clearly labeled 20-minute technical, non-marketing presentation.
All sponsorship packages include mention in the conference agenda and SPWLA NMR SIG communications, as well as one registration waiver.
Organizations interested in supporting the conference may contact the Conference Chair at **NMR@spwla.org**.

Acknowledgements

We gratefully acknowledge the support of the SPWLA (Stephanie Turner, Sharon Johnson), the NMR SIG Executive Board, and the Local Organizing Committee (Radu Coman, Holger Thern, Oliver Mohnke; Baker Hughes).

Contact

Most information about the conference is available on the SPWLA NMR SIG webpage and LinkedIn channels. If you cannot find what you need or if anything is unclear, or if you have questions about sponsorship, please contact us at **NMR@spwla.org**.

- For up-to-date information: visit the **SPWLA NMR SIG webpage**
- For announcements and updates: follow the **SPWLA NMR SIG LinkedIn page**
- For networking with participants: join the **LinkedIn event**