



SMRI FALL 2025

WICHITA, KS | USA
SEPT 28-OCT 1

MONDAY TECHNICAL SESSION SCHEDULE

Time	Author	Organization	Title
8:00	SMRI Business Meeting – SMRI Members Only (All Members are welcome)		
10:00	MID-MORNING BREAK: Coffee/Tea, Refreshments (30 Mins)		
10:30	Clemens Eichler ¹ , Aura Alvarado de la Barrera ¹ , Heike Bernhardt¹ , Carsten Reekers ² , Henning Becker ² , Eddy Kuperus ³ , Jeroen Dirven ³ , Douwe Osinga ³	DEEP.KBB GmbH¹ , Storag ETZEL² , N.V. Nederlandse Gasunie³	ORR (RFP 2023-5) Research on Repurposing Existing Caverns for H2 Storage
11:00	René Buzogany¹ , Heike Bernhardt ¹ , Sophie Minas ² , Matteo Scapolan ² , Vincent Barrère ³ , Arnaud Réveillère ³	DEEP.KBB GmbH¹ , RESPEC² , Geostock³	ORR (RFP 2023-4) Research on Mechanical Integrity Tests for H2 Storage Caverns
11:30	Dirk Zapf¹ , Feline Körner ¹ , Hippolyte Djizanne ² , Hajar Habbani ²	Institute for Geotechnical Engineering Hannover¹ , Ineris²	Benchmarking Constitutive Models for Salt Cavern Design in Underground Hydrogen Storage
12:00	LUNCH BREAK: (1.5 Hours)		
1:30	Emmanuel Sansuthy Tardio ² , JoAnn Gage ³ , Mahya Hatambeigi¹ , Scyller Borglum ¹ , Sophie Minas ⁴	WSP USA¹ , University of Houston² , ACES Delta³ , RESPEC⁴	A Computational Model for Real-Time Blanket Level Tracking During Solution Mining
2:00	Hannah Maurer	Sandia National Labs	Well Collar Compression at the Bryan Mound SPR Site
2:30	Fabio Ciceri² , Riccardo Tortini, PhD ² , Giacomo Falorni ² , Joel Warneke ¹	Cavern Solutions, Inc.¹ , TRE Altamira, Inc.²	Calibrated InSAR for Monitoring Salt Dome Subsidence along the US Gulf Coast
3:00	MID-AFTERNOON BREAK: Coffee/Tea, Refreshments (30 Mins)		
3:30	Zachary Evans , Lydia Richley	DarkVision Technologies	High-Resolution Acoustic Imaging for Large Diameter Inspections: Multi- Cavern Case Studies
4:00	Brandon Lampe¹ , Timothy Lynn ¹ , Lafe Windmiller ² , Kassie Mobley ²	Agapito Associates, LLC¹ , Enbridge²	Novel Approach to Conducting a Mechanical Integrity Test with Optical Fiber
4:30	Anil Tokcan , Thomas Trautman, Alyssa Kendir	RESPEC	The Effects of Cavern Field Arrangement on Cavern Stability
5:00	End of Presentations for the Day		



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TUESDAY TECHNICAL SESSION SCHEDULE

Time	Author	Organization	Title
8:00	Robert Asch¹, Mazi Rejaee ¹ , Sanjay Singh Rathore ² , Gebreegzabher Mekonen ²	Sedgman Novopro Projects, Inc¹, Ethiopotash B.V.²	The Dallol Potash Project in Ethiopia - Kainite Solution Mining and Processing
8:30	Franek Hasiuk, Don Conley, Anna Lord	Sandia National Labs	Solution Mining for Geologic Hydrogen
9:00	Flávio Carvalho Botelho, José Antônio Barbosa, Jefferson Tavares Cruz Oliveria, Oswaldo Jose Corriea Filho	Federal University of Pernambuco (UFPE)	Favorability Analysis of the Aptian Evaporites in the Onshore Alagoas Basin, NE Brazil, for Hydrogen Storage
9:30	Kelsey Wong¹, Joel Warneke ² , Ed Benoit ² , Crystal Deroche ² , Dave Marchese ³	University of Texas Austin¹, Cavern Solutions/SubTerra USA², Caliche Development Partners³	The Creation of the Largest Helium Cavern in North America
10:00	MID-MORNING BREAK: Coffee/Tea, Refreshments (30 Mins)		
10:30	Mustafa Baris Ates¹, Biao Qiu ¹ , Gorkem Yavuz ² , Tugce Besir ²	Agapito Associates, LLC¹, We Soda-Eti Soda²	Target Seam Selection and Reservoir Modeling in Solution Mining – Field Applications from Beypazarı, Türkiye
11:00	Rob Carson, Stacey Reinwald, Nirmal Gnanapragasam	Canadian Nuclear Laboratories	Overview of Lab-Scale Experimental Systems for Underground Hydrogen Storage at CNL
11:30	Hippolyte Djizanne	Ineris	Mechanical Stability Following a Hydrogen Blowout in a Salt Cavern
12:00	LUNCH BREAK: (1.5 Hours)		
1:30	Feline Körner, Dirk Zapf	Institute for Geotechnical Engineering Hannover	THM-Based Infiltration Assessment for Salt Cavern Design Accounting for Macroscopic Fractures
2:00	Rohola Hasanpour, Rene Buzogany	DEEP.KBB GmbH	Long-Term Safety Assessment and Backfill Strategy Evaluation for Abandonment of a Brine Production Cavern
2:30	John Hatteberg	CUDD Pressure Control	Well Integrity: Current Challenges and Future Solutions
3:00	MID-AFTERNOON BREAK: Coffee/Tea, Refreshments (30 Mins)		
3:30	Herminio T. Honorio, Mohammad Saeed Amini, Lucas Landeweerd, Hadi Hajibeygi	Delft University of Technology	SafeInCave: an Open-Source Simulator for Energy Storage in Heterogeneous Salt Caverns
4:00	Lukas Baumgärtel	Leibniz University of Hannover	Experimental Assessment of Effective Tensile Strength of Rock Salt and Infiltration Fracture Behavior in Salt Caverns during Gas Operation
4:30	Matt Jones, Maggie Sebert, Joshua Rath	RESPEC	Parametric Study on the Effect of a Cavern's Aspect Ratio on Working Gas Capacity
5:00	End of Presentations for the Day		