

SMRI FALL 2020 VIRTUAL CONFERENCE



September 21–24 | Conference Announcement

solutionmining.org

Important Dates

17 July	Conference Announcement released
22 July	Conference Registration open: both member and non-member registration open at same time.
24 July	Unsolicited Research Proposals due; e-mail to Research Coordinator.
14 August	Final paper copy due; e-mail to Program Chair
28 August	Presentations due. Details to be emailed to speakers at a later date.

Technical Class

SMRI will not be holding an optional Technical Class as part of the Fall 2020 Virtual Conference. The class is better suited for in-person, smaller groups. The “Technical Aspects and Considerations for Cavern Abandonment” class scheduled for the 2020 meetings has been delayed until 2021.

Research Presentations

Two oral research reports presented Monday morning during the virtual conference. Presentations will be available for viewing starting at 8:00 am (ET), and can be viewed at the attendee’s leisure.

Ecole Polytechnique, et al., will present the results of project RR2020-1 (Very Slow Creep Tests as a Basis for Cavern Stability Analysis) measuring creep at stresses between 1 MPa ($\sigma < 1$ MPa was used in the initial phase) and 5 MPa ($\sigma > 5$ MPa are used for conventional creep tests), filling in the missing gap.

RESPEC and TUC will provide an overview of project RR2020-2 (Thermal Expansion Coefficient and Modulus Measurements on Damaged Salt) consisting of the measuring of two thermal parameters on damaged salt specimens that are critical in calculating the thermal stresses in the salt surrounding a cavern during cyclical temperature changes.

Conference Schedule

EDT = Eastern Time (US); CEST = Central European Time

Friday, September 18

10:00 am–2:00 pm (EDT)

Research Committee Meeting

Saturday, September 19

10:00 am–2:00 pm (EDT)

Leadership Committee Meeting

Monday, September 21

Available at 8:00 am (EDT)

Research Presentations

Presentations will be available for viewing starting at 8:00 am (EDT), and can be viewed at the attendee’s leisure.

10:00 am–12:00 pm (EDT):

Business Meeting (*Members Only*)

The SMRI business meeting will be held Monday to transact business of the Institute. All members are welcome, including all staff of member organizations, not only voting representatives.

2:00 pm–3:15 pm (EDT):

Icebreaker

To open the conference, SMRI invites all participants to this informal virtual reception. Grab a snack and drink, set yourself up in a comfortable chair, relax, and enjoy an hour of the camaraderie of friends and colleagues, lighthearted games, and even some prizes to begin the conference.

Tuesday, September 22

Available at 8:00 am (CEST):

Technical Paper Presentation, Day 1

Presentations Available

All presentations will be available at 8:00 am (CEST). Attendees can view at their leisure and in any order. The schedule allows for a morning break, lunch, and an afternoon break.

10:00 am–11:00 pm (EDT):

Research Presentation Questions

The presenters of the Research Reports will be available to address questions from the membership.

Wednesday, September 23

Available at 8:00 am (CEST):

Technical Paper Presentation, Day 2

Presentations Available

All presentations will be available at 8:00 am (CEST). Presentations from day 1 will also still be accessible.

10:00 am–1:00 pm (EDT):

Technical Paper Presentation, Day 1 Questions

The presenters from the first day of the Technical Session will be available to address questions.

Thursday, September 24

10:00 am–1:00 pm (EDT):

Technical Paper Presentation, Day 2 Questions

The presenters from the second day of the Technical Session will be available to address questions.

Fall 2020 Sponsorships

Sponsorships help defray costs of hosting conferences, keep conference fees affordable, and allow more of the member dues to be directed towards active research. Members or non-members may be sponsors. For more detailed information, view the last page in this document.

We thank these sponsors of the Fall 2020 Virtual SMRI Conference:

GOLD: Lane Power & Energy Solutions, Inc., Sonic Surveys, Inc. and WSP USA

SILVER: Opportunities Available

BRONZE: Cavern Solutions, Lonquist & Co., LLC; SOCON Sonar Well Services, and Stream-Flo Industries.

Contact Dawn Langlinais for more information. Don't miss the opportunity to participate in the Virtual Areas.

Virtual Vendor Exhibit Hall and Fair

Visit each sponsor's booth to learn more about the company and get insights into product or service offerings.

Registration Fees

Member Early Bird Price (Jul 22–Aug 18)	\$200
Member Regular Price (Aug 19–Sept 20)	\$300
Non-Member Early Bird Price (Jul 22–Aug 18)	\$500
Non-Member Regular Price (Aug 19–Sept 20)	\$750

Future Conferences

Spring 2021 18-21 April	SMRI Conference Detroit, Michigan, USA
Fall 2021 19-22 Sept	SMRI European Conference Krakow, Poland
Spring 2022 3-6 April	SMRI Conference Rapid City, South Dakota, USA
Fall 2022 25-28 Sept	SMRI European Conference Chester, United Kingdom

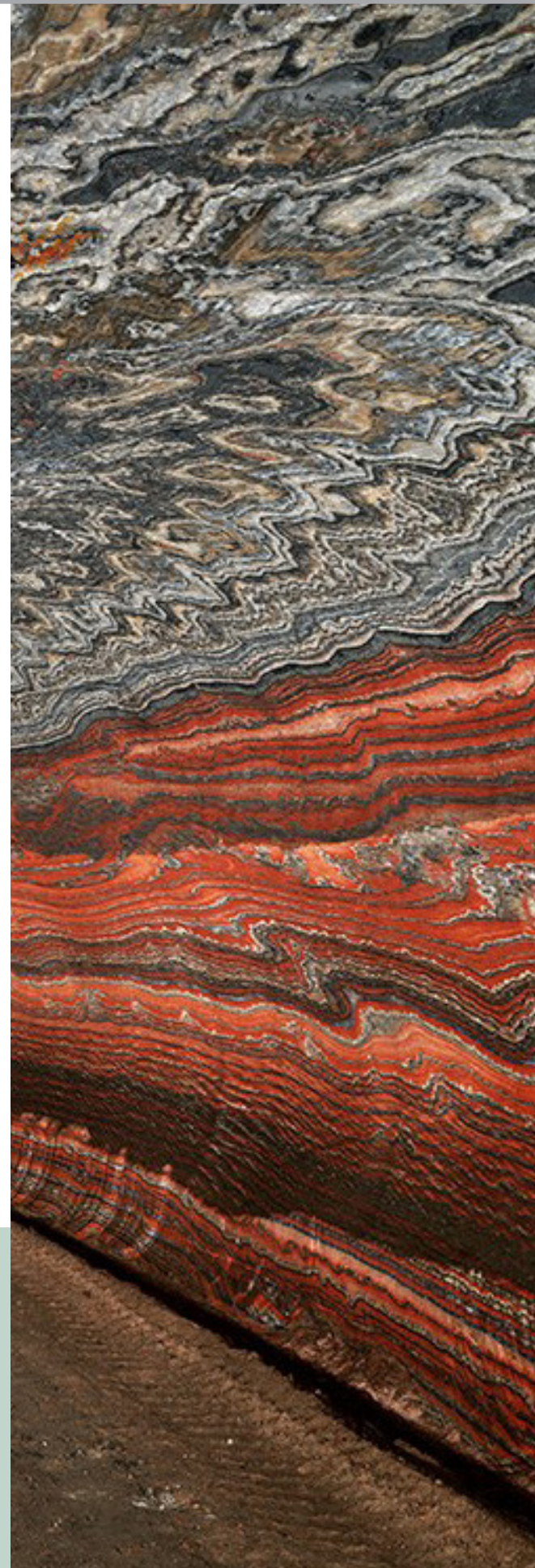
Conference Assistance

SMRI Membership Issues:

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Technical Paper List With All Authors

Virtual Technical Conference: 22–24 September 2020

Author(s)	Organization(s)	Title
Ishtiaque Anwar ¹ , Mahya Hatambeigi ¹ , Kirsten Chojnicki ² , Mahmoud Reda Taha ¹ , and John C. Stormont ¹ .	(1) University of New Mexico; (2) Sandia National Laboratories	Relationship between relative permeabilities for two-phase flow through wellbore cement fractures
Pierre Berest ¹ , Yvan Charnavel ² , Paule Labaune ²	(1) Ecole Polytechnique; (2) Storengy	Delayed brine outflow during changes in water input flow
Hugo Bosq ¹ , Els Wijermars ² , Ziggy Lubkowski ³	(1) Magnitude; (2) Nouryon; (3) Arup	Using continuous microseismic surveillance for the management of cavern fields
Benoit Brouard ¹ , Vassily Zakharov ¹ , A. Frangi ²	(1) Brouard Consulting; (2) Politecnico di Milano	Full Geomechanical Modeling and Data Management of a Gas-Storage Facility using Locas 3D
Jean-Paul Crabeil, Isabelle Tezenas, Aurelien Blenet, Thibaut Crabeil	Flodim	Changing Leaching Phase With No or Little Work-Over Rig Assistance
Oaolo Farina ¹ , Veronica Taurino ¹ , Jose C. Pereira ²	(1) Geoapp srl; (2) Sabine Storage & Operations Inc.	Prediction of sinkholes induced by solution mining through the inverse velocity method
Cyriane Fournier ¹ , Emmanuel Fontaine ¹ , Hervé Gueuné ² , Nizar Aouina ¹ , Vanessa Leblanc ²	(1) Geostock (2) Corrodys	Determination of Antibacterial Efficacy of Common Chemical Products Against Thiosulfate Reducing Bacteria in Saturated Salt Cavern Brine
William M. Goodman ¹ , Crystal M. Hocking ²	(1) William Goodman (2) RESPEC	Water in the Hole! Development of Shaft Grouting Methods to Seal Devonian Limestone and Sandstone Aquifers in the First Shaft of the Detroit Salt Mine (1906–1907)
Peter Laszlo Horvath ¹ , Sabine Donadei ¹ , Dirk Zapf ²	(1) DEEP.KBB GmbH; (2) Leibniz Universität Hannover	Detailing of Basic Data, Information System & Potential Estimate for Site Selection of Salt Caverns for CAES and Hydrogen Storage in Bedded Salt
Juan Grisolia ¹ , Freddy Mendez ¹ , Mort Houston ¹ , Gennady Koscheev ¹ , Mark Cartwright ²	(1) Baker Hughes Company; (2) United Salt Saltville, LLC.	Challenging Evaluation of Evaporite Deposits in a Thrust Fault Environment in Saltville, Virginia.
David Hart ¹ , John Torczynski ¹ , Martin Nemer ¹ , Gavin Fleming ² , Dean Checkai ²	(1) Sandia National Laboratories; (2) Fluor Federal Petroleum Operations	Pipe Perforation and String Cuts for Leaching Mitigation
Mahya Hatambeigi ¹ , Ishtiaque Anwar ¹ , Kirsten Chojnicki ² , Mahmoud Reda Taha ¹ , John C. Stormont	(1) University of New Mexico; (2) Sandia National Laboratories	Effect of fluid pressure on the leakage through wellbore cement fractures
Stefan Hoentzsch ¹ , Jonathan D. Aubertin ² , Laurent S. Schaible ³	(1) K+S Windsor Salt Ltd.; (2) Morton Salt Ltd.; (3) K+S Aktiengesellschaft	Salt Mining in a Pile of Pancakes – The Silurian Salina Evaporite Formation in the Windsor-Detroit Area and its Implications for Mining and Geological Risk Assessment
Dickson Lee ¹ , Eslam Soliman ² , Mahmoud Reda Taha ³	(1) Big Guns Energy Services Inc.; (2) Assiut University; (3) University of New Mexico	Volumes-Based and Mass-Based Distributed Temperature Sensing (DTS) Technology for Accurate Estimation of Nitrogen Leakage in Mechanical Integrity Tests
Elsa Muller	IFP Energies nouvelles	Simulation of an Advanced Adiabatic Compressed Air Energy Storage (AA-CAES) of 100 MW power plant
Guy Mason, Stephen Murphy	Acoustic Data	SonicGauge Wireless technology to measure and observe long term downhole pressure and temperature in Underground gas storage wells and caverns in real-time
Kent Padgett	Tejas Tubular Oilfield Services	Tubular Integrity Through Connection Testing
Evan Passaris ¹ , Richard Noden ² , Georgios Yfantis ¹	(1) Atkins Limited; (2) SABIC UK Petrochemicals Limited	Investigations of the geomechanical response of a propane storage cavern regarding its anticipated time-dependent growth
Gyorgy Szasz	Stress Engineering Services, Inc.	Detection of flow-induced vibration from wellhead measurements
Thomas Valin, Myriam Darbouret, Anne Sinquin, Didier Frot	IFP Energies nouvelles	THE ATOLI sensor : An ON-line ANALYSER for hydrate risk assessment for underground gas storage
Steve Walker	Sonasearch	Cavern Surveyor™
Georgios Yfantis, Allan Lennox, Andrew Sloan, Evan Passaris	Atkins Limited	Practical considerations when selecting recompletion method (dry/wet) in underground cavern storage UK

2020 Virtual Conference Sponsor Opportunity

Fall: 21-23 September 2020

Sponsorship Level

Recognition Includes:

Gold Sponsor

\$5,000

- ◆ Two free conference registrations
- ◆ Virtual display table in the Vendor Exhibit Hall as part of their sponsorship, consisting of a web page for the sponsor to display a PDF of company information or catalog, product video, and a potential for Q&A sessions with attendees.
- ◆ Sponsor's logo displayed as a Gold Sponsor on the conference registration page, on the Technical Program web portal, listing as a Gold Sponsor in the Call for Paper and Conference Announcement (if submitted prior to publishing), and 'podium mentions' during Membership Business Meeting
- ◆ Acknowledgement of sponsorship displayed on SMRI website during conference registration through the conference conclusion.

Silver Sponsor

\$2,500

- ◆ One free conference registration
- ◆ Display area in the Vendor Fair. The display area is a shared web page that will allow the sponsor to display a PDF of company information or catalog.
- ◆ Sponsor's logo displayed as a Silver Sponsor on the conference registration page, on the Technical Program web portal, listing as a Silver Sponsor in the Call for Paper and Conference Announcement (if submitted prior to publishing), and 'podium mentions' during Membership Business Meeting
- ◆ Acknowledgement of sponsorship displayed on SMRI website during conference registration through the conference conclusion.

Bronze Sponsor

\$1,000

- ◆ Sponsor's logo displayed as a Bronze Sponsor on the conference registration page, on the Technical Program web portal, listing as a Bronze Sponsor in the Call for Paper and Conference Announcement (if submitted prior to publishing), and 'podium mentions' during Membership Business Meeting
- ◆ Acknowledgement of sponsorship displayed on SMRI website during conference registration through the conference conclusion.

For proper recognition on SMRI's website, a high resolution .jpg or graphics file of your corporate logo, (maximum of one logo per sponsor, please,) must be provided as early as possible.

FALL CONFERENCE SPONSOR SIGNUP DEADLINE IS 15 AUGUST 2020. Starting about 1 June, we will have a list of fall conference sponsors on the SMRI website. Call for Papers will list sponsors, and will be emailed and posted about 27 May.

Virtual Conference 2020 sponsorship payments are due August 21, 2020.

SMRI is unable to allow advertising at our conferences, as it would jeopardize our non-profit organization status. Accordingly, SMRI will avoid any appearance of endorsement of any company or product, which will also ensure fairness to all SMRI Members.

For additional information
or sponsorship forms,
please contact:

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