



**SOLUTION MINING
RESEARCH INSTITUTE**

www.solutionmining.org

SPRING 2018 CONFERENCE

**CALL FOR PAPERS &
FIRST ANNOUNCEMENT**



Join Us in Salt Lake City, Utah, USA!

17–18, June 2018

(just before the 10th World Salt Symposium in nearby Park City)

Registration

All registrations must be completed online. You must be in SMRI's database to register. Registration cost for the shortened conference is lower than our normal rates.

<i>Member online registration starts</i>	3 April
<i>Non-member registration starts</i>	1 May
<i>Registration ends (last day)</i>	24 May

Research Presentation

One oral research presentation is scheduled for newly complete SMRI research report RR2017-5 titled *Update of Worldwide Salt Deposits and Cavern Fields*, by KBB-UT.

Spouses/Friends Program

Spouses and friends are always welcome at SMRI conferences. Monday will feature a ½-day guided Salt Lake City tour, which will be available for spouses and friends, (min. 20/max. 25). The 10th World Salt Symposium has no daytime activities planned for friends/spouses, so they are on their own.

Schedule of Events

The SMRI Salt Lake City June conference was moved from our normal late April - early May time to lead into the 10th World Salt Symposium in nearby Park City, Utah, which is a 3-day symposium beginning 19 June. SMRI has assisted with each salt symposium, and we encourage our members to participate in both SMRI and World Salt conferences (these separate events require separate registrations). The World Salt website has all of their details. This SMRI conference will be a shortened format meeting so that our delegates can also participate in the World Salt conference.

About 200 technical delegates are expected to attend the SMRI conference. No SMRI field trips are planned. The SMRI conference plans are tentative and subject to change. The official conference announcement will be emailed to members and posted on the SMRI website about 8 March 2018 with more details. The shortened SMRI conference format and schedule is below:

- | | |
|-------------------------|--|
| Saturday 16 June | Research and Executive Committee meetings (not for general delegates) |
| Sunday 17 June | (Optional) Technical Class, followed by Icebreaker in evening |
| Monday 18 June | Members only business meeting; 1 SMRI new research report oral presentation is planned; Technical papers (approximately 6 or 7); Monday dinner event; end of conference |
| Tuesday 19 June | We encourage all SMRI delegates to register for the 10th World Salt Symposium (click for website) in Park City, Utah. SMRI delegates can make the 45-minute drive to Park City on Tuesday morning to check in before the kick-off luncheon and first day tech sessions as follows:
8 AM–6 PM: Registration (Stein Eriksen Lodge – Deer Valley)
10:30 AM–12 PM: Opening Brunch (Stein Eriksen Lodge – Deer Valley)
12:15–12:45 PM: Opening Session (Stein Eriksen Lodge – Deer Valley)
1–5:15 PM: Technical Sessions |

Hotel Information

Marriott City Center
220 South State St.
Salt Lake City, UT 84111 USA

Each SMRI participant is responsible for making their own hotel reservations. SMRI room rate of \$129 can be booked for the dates of June 15–June 19, 2018.

Reservations may be made starting Monday, January 22. The last day to make reservations at the SMRI rate is May 25. Please tell Reservations you are with the “SMRI” conference group.

RESERVATIONS:

By Phone: +1 (866) 961-8700
(From Europe, dial 00 before this number)

[Click Here for Website Reservations](#)

The Marriott City Center is a 5-minute walk from the Gallivan Center, this upscale hotel is 13 minutes by foot from Temple Square, and 0.9 mile from Clark Planetarium. An airport shuttle is nearby at a reasonable cost.



Call for Papers for Technical Session

Monday 18 June

ABSTRACTS DUE 1 MARCH 2018

Only 6 or 7 papers will be selected for presentation at this shortened conference, and papers are solicited on all aspects of solution mining and the use of caverns including but not limited to:

DISCIPLINES:

- Geology
- Geophysics (especially pertaining to top- and edge-of-salt deposit imaging and verification)
- Geochemistry
- Health, safety, and environmental
- Rock mechanics and subsidence
- Drilling and well completion
- Solution mining (rock salt, potash, trona, and other salts)
- Cavern construction, monitoring, and operation
- Surface facility design, construction and operation

TECHNOLOGIES:

- Cavern testing and monitoring (Mechanical Integrity Test, sonar, etc.)
- Cavern sealing and abandonment
- Cavern utilization for energy storage

APPLICATIONS:

- Brine production of salt, potash, trona, or other water soluble minerals
- Liquid hydrocarbon storage
- Natural gas, hydrogen, and other gases storage
- Renewable energy storage (compressed air and hydrogen)

Speakers should email the proposed title and a 200- to 500-word abstract to Dieter Brückner, 2018 Program Chair, by 1 March 2018. The abstract should clearly describe the paper and have a short, descriptive title. Approximately 6–7 papers will then be selected for presentation at the conference.

1 March 2018 Abstracts of papers due; email directly to the Program Chair

8 March 2018 Speakers will be notified of acceptance

11 May 2018 Final copy of the paper due; email to the Program Chair

In appreciation, technical session speakers (one person per paper) will not be charged for the basic conference registration fee. For non-member authors, a limit of one free registration per 3-year period is now in effect. For further technical program or author information, or subject questions, please contact:

Program Chair 2018

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Spring 2018 Sponsorships

SMRI is happy to accept sponsorships and appreciates financial support of our conference activities and expenses. SMRI's 2018 sponsorship information will be available by [clicking this link](#), or you may contact John Voigt for more information. No commercial advertising will be accepted, but SMRI will acknowledge contributions of all sponsors.

We thank these sponsors of the Spring Salt Lake City 2018 SMRI Conference:

GOLD: Sonic Surveys, Inc. and WSP USA
SILVER: Agapito Associates, Inc. and RESPEC
BRONZE: Lonquist & Co. LLC, Sabine Storage & Operations, Inc., Seal-Tite International, SOCON Sonar Well Services, Inc., and Ratigan Engineering Consulting, LLC

(As of 17 January 2018, 1 Gold, 2 Silver, and 0 Bronze sponsorships are available)



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Technical Class “Practical Application of Salt Cavern Technologies – Calculations for Caverns”

Sunday, 17 June 2018

(Optional, the same subject will be repeated in Fall 2018, Belfast)

This class will explain and review some of the typical calculations used in cavern operations, and will include plenty of time for questions. PDF files of class papers will be given to class participants on a USB stick, and a class book will be available for order only during registration for a small fee.

The Technical Class for the 2018 Salt Lake City and Belfast SMRI meetings will be held on Sunday. The Technical Class will be a series of lectures presented by several topic-expert lecturers using hands-on examples of calculations commonly made in the solution mining practice. Approximately 15 topics will be covered in sessions involving a brief description, followed by the instructor's illustrative calculation, followed by a typical hands-on calculation (done individually or by small teams). Examples of the calculations include casing and cement design, hydraulics of the freshwater and brine pumping system, brine chemistry and dissolution rate, pressure gradient and downhole pressures, gas-storage operating pressures, MIT testing and criteria, and design-alternatives selection considering financial implications. The lectures are tailored for training new staff, but will also serve as a refresher for experienced people. Lunch and coffee breaks are included in the registration fee, and are excellent opportunities for networking and more detailed questions.

Please help us avoid space limitations by signing up early.

Future Conferences

Late Spring 2018
19-21 June

10th World Salt Symposium—Park City, Utah, USA
See <http://www.worldsaltsymposium.org> for details and registration. SMRI encourages our members to participate in World Salt Symposium X (Early registration discount ends 31 January!).

Fall 2018
23-26 September

SMRI Conference—Belfast, Northern Ireland
Class topics will be Practical Application of Salt Cavern Technologies – Calculations for Caverns (repeated from Salt Lake City)

Spring 2019
7-10 April

SMRI Conference—New Orleans, Louisiana, USA
Technical class to be determined (let us know suggested 2019 class topics)

Fall 2019

SMRI European Conference—Location to be determined

Conference Executives

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