



Unconventional News for September 2017

AN IMPORTANT UPDATE FROM CSUR

PRESIDENT, DAN ALLAN & CHAIR, WALLY KOZAK

August 28, 2017

To our valued members:

As many of us begin to ramp-up with a view to greater activity in the months ahead, this is a good time to remind you of what CSUR is offering to its members for the balance of 2017. It's also an opportunity to keep you updated on what we're doing on behalf of our members and our industry.

As for events, August represents a median point for the CSUR calendar with the next four months having much to offer in a short space of time. By year's end CSUR will deliver:

- **September 8th:** for those active in the Montney, CSUR's annual Fall Field Trip to the Kananaskis area to view the Sulphur Mountain Formation, an age-equivalent outcrop displaying many of the same depositional settings as the Montney formation.
- **September 14th & 15th:** for those with an interest in BC, CSUR will be hosting a full day technical forum on the Montney formation, followed by a half day government session hosted by CSUR on behalf of BCMEMPR and BCOGC.
- **September 25th:** a full day session on developments pertaining to the Alberta Montney resource play.
- **October 5th:** a full day session on the Duvernay resource play, following up on last year's extremely successful event.
- **October 13th:** Saskatchewan Day, hosted by CSUR on behalf of the Saskatchewan Ministry of Economy, another event building on last year's success.
- **December 5th:** Induced Seismicity III, which will focus on how far knowledge has

advanced on this important subject.

- **September to December:** There will be three Technical Lunches over this period. These are for members only, and will cover topics of relevance to the Unconventional Resource Industry.

Details for all of these events may be found in [CSUR's Events Calendar](#) as well as at the bottom of this email.

In addition, and of equal importance, over the past couple of years CSUR has had very positive response to numerous one-off university outreach sessions adapted from our full-day 'UCR-101' workshops. In the autumn of 2017, CSUR has formalized a pilot program with a schedule of presentations at several universities in both Ontario and British Columbia. This University Outreach program will be open to a broad student audience from numerous faculties. Our goal with this program is to inform and build collaboration with the student populations of these schools in order to satisfy their needs for accurate and objective scientific information pertaining to unconventional resource development.

With success, we look to broaden the program further in 2018. We believe that this type of outreach initiative is critically important for our sector and our entire industry. The new energy industry of the 21st century requires a strong commitment to engage and consult with all members of our society.

These sessions will be open, objective and fact based. In our opinion, this type of engagement is well overdue, but it requires time, commitment and capital. Your society will be looking for additional support early next year in order to keep this program on track. Your feedback on the importance and merits of this initiative, both to your company and to the industry, would be greatly appreciated.

The full list of 2017 deliverables is considerably longer than this brief note can convey and definitely more than our 2 full-time staff could be expected to deliver. This year, in addition to our traditional volunteers, CSUR's efforts have been bolstered directly by a few member companies. These companies assigned a number of their staff the duty of providing timely support when called upon by CSUR. A special thank you goes to these companies and the assigned staff for this critical in-kind contribution, both to CSUR and to our industry.

Once again, due to the tremendous support of our members, underscored by your annual dues and strong participation in our events, CSUR has been able to remain financially strong and technically relevant through these difficult times. On behalf of the entire Board and Executive, we convey a sincere thank you.

On behalf of the Board and Executive,
Yours truly,



Wally Kozak, Chairman



Dan Allan, President and CEO



CSUR EVENTS

SEPTEMBER EVENT #1

TITLE: *Montney Field Trip: The Sulphur Mountain Formation around Canmore and Kananaskis. Leader is Jon Noad of Digit Core.*

ONLY TWO SEATS LEFT!

DATE: Friday, September 8, 2017

TIME: 08:00 - 18:00

LOCATION: ConocoPhillips Theatre, Gulf Canada Square, 3rd Floor

TOPIC: This one-day field trip will visit a series of outcrops in Canmore and Kananaskis that demonstrate the character and variety of this stratigraphic interval.

COST:

- CSUR Members \$199
- CSUR Professionals In Transition Members \$99
- Non-Members \$275

Thank you to our sponsors Canbriam Energy and geoLOGIC systems.

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SEPTEMBER EVENT #2

TITLE: *BC Unconventional Gas Technology Forum - YYC Edition: An Update on British Columbia's Montney Resource Play*

DATE: Thursday, September 14, 2017

TIME: 08:30 - 16:30

LOCATION: ConocoPhillips Theatre, Gulf Canada Square, 3rd Floor

TOPIC: Join government representatives, researchers and operators as they discuss the BC Montney Resource Play.

COST:

- CSUR Members \$149
- CSUR Professionals In Transition Members \$55
- Non-Members \$299

The Montney formation covers an area of approximately 130,000 km²



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Thank you to our sponsors Kelt Exploration, Canbriam Energy Inc., Painted Pony Energy and NCS

Multistage.

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SEPTEMBER EVENT #3

TITLE: *BC Government 1/2 Day Session*

DATE: Friday, September 15, 2017

TIME: 08:00 - 12:00

LOCATION: ConocoPhillips Theatre, Gulf Canada Square, 3rd Floor

TOPIC: Deputy Minister, Dave Nikoljzen and key government staff visit Calgary to speak to CSUR members and attendees on policies and the direction of British Columbia. A networking lunch will follow this event allowing for the opportunity to speak with BC MEMPR staff.

COST: If you are a CSUR Member and register for September 14th event, you can register to attend this half day at no cost! Please follow the link below for more information on the cost to attend this exciting event!

Thank you to our lunch sponsor, JuneWarrenNickle's Energy Group.

[Click Here to Register](#)

SEPTEMBER EVENT #4

TITLE: *The CSUR Members-ONLY Technical Luncheon*

'Geoscience BC: Update on Induced Seismicity & Natural Gas Liquids Research'

DATE: Tuesday, September 19, 2017

TIME: 08:00 - 16:30

LOCATION: Glenbow Museum Theatre, Main Floor, Behind reception desk

PRESENTERS: Carlos Salas, MSc, P.Geo., Vice President, Energy (Acting President & CEO) with **Geoscience BC**; Dr. Marc Bustin - Professor, Department of Earth, Ocean and Atmospheric Sciences, **University of British Columbia**; Dr. Amanda Bustin - Research Associate, Department of Earth, Ocean and Atmospheric Sciences, **University of British Columbia**; Dr. Ali Mahani - Seismologist - Induced Seismicity Monitoring Project, **BC Seismic Research Consortium**

Featuring: Ms Jane L. Tink, P.Eng., FEC, FGC (Hon.), **President - Association of Professional Engineers and Geoscientists of Alberta (APEGA)** & Dr. Dr. Brad Hayes, Councillor, APEGA &

Director, CSUR will present on **CSUR's Educational & Outreach efforts for 2017**

Thank you to our sponsor Calfrac Well Services.

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SEPTEMBER EVENT #5



TITLE: *The Alberta Montney Resource - An Important Play for Alberta*

DATE: Monday, September 25, 2017

TIME: 08:00 - 16:30

LOCATION: ConocoPhillips Theatre, Gulf Canada Square, 3rd Floor

TOPIC: This educational and information-filled day will look at new research in the Alberta Montney as well as offer new information, emerging challenges and a look at this play from the operator's perspective. This event will also mark CSUR's 15th anniversary! Don't miss out on the exciting lunch panel presentation we are planning for you!

COST:

- CSUR Members \$149
- CSUR Professionals In Transition Members \$55
- Non-Members \$299

Thank you to our sponsors CanOils, McDaniel & Associates Consultants and NCS Multistage.

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OCTOBER EVENT #1

TITLE: *The Duvernay Resource - Investigating Alberta's Emerging Resource Play*

DATE: Thursday, October 5, 2017



LOCATION: Bow Valley Club, 250 6 Avenue SW, Third Floor, Bow Valley Square

TIME: 08:00 - 16:30

TOPIC:

Join us as we look at important components of Alberta's giant emerging resource play. There will be multiple sessions that address the key issues effecting development of the Duvernay formation. These include:

- the importance of this play to Alberta and to Canada

- the importance of infrastructure to ensure the play's viability
- a stakeholder engagement session with representatives from all levels of government and first nations in a panel discussion
- key sessions on water management, induced seismicity and life cycle planning
- operator presentations as they update us on their successes and challenges in unlocking commerciality

COST:

- CSUR Members \$149
- CSUR Professionals In Transition Members \$55
- Non-Members \$299

Thank you to our sponsors Chevron, McDaniel & Associates Consultants, Golder Associates, Anderson Thompson Reservoir Strategies and Canadian Discovery.

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OCTOBER EVENT #2 - SAVE THE DATE



TITLE: Saskatchewan Day

DATE: Friday, October 13, 2017

LOCATION: Bow Valley Square, Third Floor Conference Centre, 250 6 Avenue SW

TIME: 08:00 - 16:30

TOPIC: The Canadian Society for Unconventional Resources is pleased to be able to assemble key Government representatives from the province of Saskatchewan to discuss important issues related to Unconventional Resource Development in that province. Hear presentations from various senior government personnel on issues such as; priorities of government, current projects, tenure, royalties, and regulations. In addition, presentations from the Saskatchewan Geological Survey, the Petroleum Technology Research Centre and the Saskatchewan Research Council will complement the government presentations.

COST:

- CSUR Members \$79
- CSUR Professionals In Transition Members \$29
- Non-Members \$129

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