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Colorado School of Mines  
SPE Student Chapter

# CSM SPE TRIVIA NIGHT

This event will take place over zoom and be a good opportunity to network with students and industry!

**NOVEMBER 5, 2020, 5PM**

Registration link or use qr code: <https://forms.gle/vu4aYXFPF3gpmFC19>



November 2, 2020

## GENERAL MEETING

### Leading the Colorado Oil and Gas Conservation Commission Lessons Learned and Industry Implications

*John Benton, Chief Development Officer at Hydroacoustics, Inc.*

📍 Zoom Meeting: Click "Register Now" to receive the Zoom link.  
📅 Wednesday, November 18<sup>th</sup>, 2020, 11:50 PM – 1:00 PM

**Register Now**

#### Abstract:

The presentation uses changes to laws, policies, regulations, and Colorado Oil and Gas Commission makeup from 2011-2020, along with additional data, as the basis for the conclusion that Colorado's hostile oil and gas environment could happen anywhere in North America much to the detriment of the industry.



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The presentation lists the proactive rulemakings undertaken by the Commission to adapt to changing public and state government perceptions of the industry during that time frame. It summarizes restrictive legislative changes resulting from the public viewing the Commission's rulemakings as not moving fast enough to adapt to increasing residential development in one of the hottest shale plays in North America.

The presentation covers the signals industry missed that resulted in restrictive legislation, the consequences of increasingly strict rules on oil and gas investment in Colorado, and discusses why the same thing could happen in other states. It briefly discusses what the industry can do to reduce the possibility of having what happened in Colorado happen elsewhere.

Finally, the presentation discusses some of the recent Colorado rulemakings and their implications for Colorado's oil and gas development.

## Biography:



John Benton has more than 35 years of worldwide experience in the oil and gas industry in positions progressing from technical engineering to senior leadership. For the last 20 years, John has led business units for large and small companies, including majors and independents. John currently serves as the Chief Development Officer for Hydroacoustics, Inc. Prior to Hydroacoustics, John acted as Production Manager and Midstream Business Unit Manager for Caerus Oil

and Gas. Before Caerus, John served as the VP and GM of Black Hills E&P. During that time, John also served 8 years as a Commissioner with the Colorado Oil and Gas Conservation Commission, chairing the Commission for the last 2 years of his term. Other notable experience includes VP and GM of Rex Energy's Rockies Division, VP of El Paso E&P's Western Division, Asset Manager for Whiting Petroleum's Permian Basin, CEO of Calver Resources, South Region Asset Manager for Conoco Canada, and Chief Engineer for Gulf Canada.

John has a BSc and MSc in Petroleum Engineering from the Colorado School of Mines and has significant experience with operations and reservoir engineering projects throughout North America, Europe, South America, and Indonesia. He is a member of Tau Beta Pi, SPE, and SPEE.

John has co-authored and presented three SPE papers on effective technology transfer to independent oil and gas producers. John has taught industry courses on reservoir engineering, waterflood management, and under-balanced drilling. He is active in the Denver Section of the SPE and SPEE and currently serves as a Director with the Denver Section of the SPE. John held several positions with both the SPE and SPEE Denver Section Boards over 15 years, including Section Chairman.

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## COMPLETION STUDY GROUP

### Biocides in Hydraulic Fracturing and Why You Need One to Protect Your Well

## Matheus Paschoalino, Sr. TS&D Specialist for Microbial Control – DuPont.

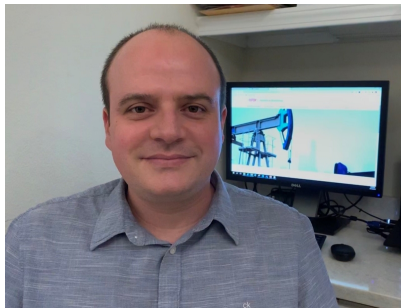
📍 Zoom Meeting: Click “Register Now” to receive the Zoom link.  
📅 Thursday, November 12<sup>th</sup>, 2020, 11:45 PM – 1:00 PM

### Register Now

#### Abstract:

Microbial Control is a vital topic in Oil & Gas operations, but it is often neglected due to the complexity or specificity of this subject. Many of the critical problems seen during oilfield operations may contribute to microbes' metabolisms initiating or enhancing corrosion, scaling, souring, clogging, and directly impacting productivity and operational costs. The dynamics, mixtures, and reuse of the fluids in a Hydraulic Fracturing operation enable perfect conditions for the proliferation of a diverse population of microorganisms, which may behave differently depending on each environment characteristics, demanding different biocide technologies according to each situation. The water composition and the fracking additives' complexity play a critical role in the biocide selection since unintended interactions may deactivate those instantaneously. This presentation will discuss some of the main paradigms of microbial control in Hydraulic Fracturing related to the need for a biocide in extreme environments, the key differences, limitations, and interactions of the main biocides used in this industry. Furthermore, the presentation will highlight the importance of adequate monitoring and correct data interpretation to avoid the selection of an ineffectual biocide, resulting in high and reoccurring operational costs.

#### Biography:



Matheus Paschoalino is a Sr. TS&D Specialist for DuPont Microbial Control. He received his doctoral degree from the University of Campinas (Brazil), including a stage at the University Complutense of Madrid (Spain). He has fifteen years of experience in Research, Development, and Technical Support on industrial

water treatment and microbial control technologies focusing on delivering asset integrity solutions for energy and mining markets. Last year he was relocated from Latin America to the US, aiming to leverage his field experience with preservative chemistries and advanced diagnostics using DNA-based methods in fifty-plus oilfields for leading petroleum companies of Brazil and Argentina. He has five patents and twenty published papers and presentations from various conferences.

### SPE Awards—Nominate a Colleague Today!

## Nominate Now

Applaud excellence in the E&P industry by nominating a colleague for an annual award given by the Society of Petroleum Engineers.

SPE Awards recognize expertise and contributions to the upstream oil and gas industry. The 2021 SPE Awards will be presented at the regional and international levels for:

- Technical contributions
- Professional excellence
- Career achievement
- Service to colleagues
- Industry leadership
- Public service

The online regional award nomination process only takes 15-20 minutes!

So, PLEASE think of someone who deserves recognition for their outstanding work in the E&P industry and visit: [www.spe.org/awards](http://www.spe.org/awards) today!

Submit your nomination today at [www.spe.org/awards](http://www.spe.org/awards)

-- OR --

Email [barbganong@gmail.com](mailto:barbganong@gmail.com) the following about your nominee: name, email, employer name, department/title and we will assist with your nomination!

## SPE — DENVER CHAPTER NETWORKS!



**Save the Date! Holiday Party**

JOIN US TO CELEBRATE THE HOLIDAY SEASON WITH  
COCKTAIL MIXING AND NETWORKING  
ALL FROM THE COMFORT OF YOUR HOME!

DECEMBER 16 | 5:00 PM  
VIRTUAL COCKTAIL MIXING CLASS

PRESENTED BY  
ROOM FOR MILLY COCKTAIL BAR

Seeking Sponsors!



Save the date for SPE Denver's Holiday Party, a virtual cocktail mixing class presented by Room for Milly. On December 16th at 5 pm, join us to celebrate the holiday season, learn how to mix two cocktails, and network with your colleagues... all from the comfort of your own home! Feel free to don your favorite holiday-themed ugly sweater, onesie, or pajamas. Would you like to sponsor so the event's proceeds go straight to our Scholarship Fund? Contact [Ellen Scott Williams](#) and tap (or click) the picture to register!

## COMMUNITY OUTREACH

*Do you want to teach young students about energy, serve breakfast at the Denver Rescue Mission, or judge science fairs? Join other SPE members in giving back to our community!*

### Upcoming Events:



### **SPE Serves Breakfast at the Denver Rescue Mission**

**Date:** November 17<sup>th</sup>, 2020

**Time:** 6:30 am – 8:30am

**Location:** Lawrence Street Community Center | 2222 Lawrence Street, Denver, CO 80205

Limit: 10 volunteers

Free

#### **Description:**

Please join SPE Denver in their support of the Denver Rescue Mission, a nonprofit organization helping the poor and homeless populations of the Denver area at the Denver Coliseum. More than 85% of the services of the Denver Rescue Mission are operated by volunteers, serving people experiencing homelessness and poverty in our community since 1892. Please come and bring friends or family.

**Please Contact Community Outreach Team-member, Katrina Baer, for more details! [kbaer@calfrac.com](mailto:kbaer@calfrac.com)**

**Register Now**

### **SPE Supports Our Next Generation**

**Date:** 2020 Fall Academic Semester

**Time:** Flexible

**Location:** Remote, or in-person at your place of work

Limit: unlimited volunteers

Free

#### **Description:**

Legacy High School in Broomfield offers enrolled select Junior and Senior Students a unique opportunity: To participate in a job-shadowing / career practicum experience. Participating high school students must devote between 20 and 40 hours of their own time shadowing and learning from a volunteer professional.

Volunteers are needed to share their experiences with individual high school students, teach them about their company or field of work, show them what daily life is like at their job, and give them practical tasks or a small project. Upon completing the practicum, students will report on and present their findings to their teachers & classmates. Potential volunteer work environments include remote either telework or physically, in-person, at the workplace (at you and your employer's discretion).

**Please Contact Community Outreach Team-member, Hilary Moore, for more details! [hilary.moore@nblenergy.com](mailto:hilary.moore@nblenergy.com)**

**Register Now**

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### ***SPE Supports Our Next Generation***

**Date:** November 10<sup>th</sup>, 2020

**Time:** 12:30 PM – 3:30 PM

**Location:** Online, digitally. | Denver, CO

Free

**Description:**

Special Hinkley High School in Aurora offers students the opportunity to participate in an engineering course-track. Please take advantage of this opportunity to help mentor students, guide, and provide constructive feedback for their senior engineering projects. Students appreciate mentorship and feedback from practicing engineers and STEM professionals.

Watch this space for additional upcoming opportunities in other Denver-Area school districts.

**Please Contact Community Outreach Team-member, Hilary Moore, for more details! [hilary.moore@nblenergy.com](mailto:hilary.moore@nblenergy.com)**

**Register Now**

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## **JOINT EFFORT— SPE Denver Section and Rocky Mountain MiT**

There is a new effort afoot to help Rocky Mountain region oil industry professionals affected by the industry downturn that has been amplified by the pandemic. Several professional societies have banded together to launch Rocky Mountain Members in Transition, or MiT. This is an outgrowth of the MiT effort by the Society of Petroleum Engineers (SPE) in Houston that the Association of American Petroleum Geologists (AAPG) has joined. Other associated Rocky Mountain organizations now include SPE, AAPG, COGA, DWLS, RMAG, WEN, WOGA, and the University of Colorado, Denver GEM Program. The purpose is to help association members amid a career transition. For more information, please contact Susan Nash at [snash@aapg.org](mailto:snash@aapg.org) or Terrilyn Olson at [tmolson8550@gmail.com](mailto:tmolson8550@gmail.com).

### **Upcoming Events:**

### ***Members in Transition Webinar Series with Christine Economides, PhD***

**Date:** November 5<sup>th</sup>, 2020

**Time:** 4:00 pm

**Location:** Online Webinar

Free

**Description:**

MiT proudly announces an upcoming webinar with Christine Economides, Ph.D., Professor of Petroleum Engineering at the University of Houston titled: “Net Zero Carbon Opportunity: Can We Lead This Transition?” Register free online on the Rocky Mountain Association of Geologists website, here:

[Register Now](#)

This webinar will be hosted and moderated by Deb Ryan, Denver's SPE Regional Director.

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### ***Members in Transition Webinar Series with Patrick Rutty, Ridvan Akkurt, and Stephanie Perry.***

**Date:** November 11<sup>th</sup>, 2020

**Time:** 12:00 pm – 1:00 pm

**Location:** Online Webinar

Free

**Description:**

MiT proudly announces an upcoming webinar with Patrick Rutty (Enverus), Ridvan Akkurt (Schlumberger), and Stephanie Perry (GeoMark) titled: “Making the Leap: From Operating Company to Service Company Employment (or the reverse)” Register free online on the Rocky Mountain Association of Geologists website, here:

[Register Now](#)

This webinar will be hosted and moderated by Terri Olson, AAPG.

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### ***Members in Transition Webinar Series with Francisco Blanch, Joshua Tracy, and Stephen Zaiss.***

**Date:** November 19<sup>th</sup>, 2020 (Rescheduled)

**Time:** 12:00 pm – 1:00 pm

**Location:** Online Webinar

Free

**Description:**

MiT proudly announces an upcoming workshop, with Francisco Blanch (Managing Director and Research Group Head of Global Commodities at Bank of America), Joshua Tracey (Financial Adviser at Merrill Lynch), and Stephen Zaiss (Portfolio Manager at Merrill Lynch) titled: “Tectonic Shifts: Navigating Changes in the Energy Sector.” Register free online here:

[Register Now](#)

Whether it was the fires in Australia, Saudi-Russian tension, Covid-19, the global economic shutdown, or murder hornets, 2020 is uncertainty characterized. The world is shifting and changing in front of us; we transitioned to a world of commute-less work, sweat pants and sandals, and virtual happy hours. This webinar attempts to clarify and discuss the global implications of 2020 for the economy, the oil and gas space, other energy producers, and what it means for you. This is part of an ongoing free Zoom webinar series.

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Please contact Members in Transition team-member Ben Nathan, for more details! [blnathan@gmail.com](mailto:blnathan@gmail.com)

## Society of Petroleum Engineers - Denver Section

### Americas

222 Palisades Creek Dr.  
Richardson, TX 75080-2040 USA

### Asia Pacific

Level 35, Gardens South Tower  
Mid Valley City, Lingkaran Syed Putra  
59200 Kuala Lumpur, Malaysia

### Europe

1st Floor, Threeways House  
40/44 Clipstone Street  
London W1W 5DW UK

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