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Dear SPE Denver Section Community,

Happy Holidays! I hope everyone had a great Thanksgiving. I can't believe it is already December! I feel like December always goes by in a blur (Too bad, since my birthday is in December, I could always use more gifts ... Ha!). It's a busy time, but hopefully, you will be able to take advantage of all the wonderful things Denver SPE has going on in December.

To start the month, on December 9th, our outreach team will be helping Hinkley High School learn about engineering and mentor students in this tremendous STEM-related volunteer opportunity.

Our December General Meeting is on December 15th. The topic will be "SPE Gaia Sustainability Program Overview & Panel Session -Perspectives on Sustainability in Oil and Gas." As a board, we felt that this topic was very timely. Since the downturn in 2020, oil and gas companies have been looking for ways to improve the economics of their operations by improving cash flow and return on capital employed. This has helped return equity to shareholders and improve balance sheets. In conjunction, we have seen a shift to a lower carbon-emitting environment because much of the world demands it. The reality is that over the last year and a half, world leaders have recognized that the "energy transition" will take longer. With that understanding, oil and gas will continue to be a key player in energy security. As oil and gas companies always have, we will focus on doing our best to produce the cheapest possible barrels. Over and above that, we will now focus on doing this with the lowest amount of GHG emitted. The race to being the most energy and cost-efficient oil and gas producers is critical! Our general meeting discussion will share different perspectives from four panelists, Josh Etkind, Johana Dunlop, Jim Crompton, and David Stewart. This panel will discuss the need to address methane and CO2 emissions and how our industry continues to improve in this Environmental, Social, and Governance (ESG) space.

On the morning of December 21st, our SPE team will be serving breakfast at the Denver Rescue Mission. Please join us by giving back to our community.

On December 21st, over the lunch hour, we will be hosting our Sustainability Study group at Dominion Towers. Jim Crompton will be discussing the importance of methane emissions and how we can measure them more accurately. Jim has 37 years at Chevron and is a former SPE Distinguished Lecturer. We are fortunate to have Jim presenting to our section.

As always, please renew your membership and tell your office neighbor to do the same!

Warmest Regards,
Eric J. Lyche P.E.
SPE Chairperson 2021-2022

December 6, 2021

GENERAL MEETING—Panel Session.

SPE Gaia Sustainability Program Overview & Panel Session - Perspectives on Sustainability in Oil and Gas

Josh Etkind, Upstream Deepwater Digital Transformation Manager at Shell; Chair of the SPE Gaia Sustainability Program

Johana Dunlop, IOGP Membership Engagement Manager; Founder and 2019-2021 Chair - SPE Gaia Sustainability Program.

📍 Denver Athletic Club | 1325 Glenarm Pl, Denver, CO 80204

📅 Wednesday, December 15th, 2021, 11:30 PM – 1:00 PM

Early-bird registration deadline: December 13 at 5:00 PM |

Click "Register Now" for more details.

Tickets:

Members	\$35	Students	\$15
Non-Members	\$45	MiTs	\$15
Walk-Ins	\$45		

Register Now

Abstract:

As the world charts, a path to net-zero, the oil and gas industry is at the epicenter of the pressure to change. A stark example is the need to address methane emissions across exploration, production, processing, and distribution activities. Innovation is improving our ability to detect emissions. The ability to measure what matters provides engineers and scientists with the data necessary to take corrective actions. Listening to the challenges and communicating our progress is essential to establishing credibility in a world with an increasing focus on environmental, social, and governance (ESG) responsibility. And, this goes far beyond methane emission to include other challenges such as water stewardship, land conservation, and the need to invent systems to support the energy transformation.

This is a 2-pronged sustainability event:

1. Hear how the SPE Gaia Sustainability Program aims to empower those at all levels within organizations to help address the planet's sustainability challenges.



In this Issue...

- [SPE - General Meeting - DL](#)
- [SPE - Industry Partners](#)
- [SPE - Study Group](#)
- [SPE - Membership Renewal](#)
- [SPE - Community Outreach](#)
- [SPE - Members in Transition](#)

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2. Get panelist perspectives on sustainability activities impacting the oil and gas industry. Colorado is active with initiatives that are helping to make our industry more sustainable.

Biography:



Josh Etkind, Shell Upstream Deepwater Digital Transformation Manager, has over 20 years of energy industry experience leading global teams to deliver megaprojects and breakthrough innovations across the energy value chain. Etkind is a Petroleum Engineer by background, a certified Sustainability Practitioner, and a Fellow of the Loyola University Institute of Environmental Communications. He concurrently

serves as CEO of Sanitation for All; an International NGO focused on helping disadvantaged communities gain access to the basic human dignity afforded by clean drinking water and toilets. Having previously served on the SPE Board of Directors from 2007-'10, he is now Chair of the Sustainable Development Technical Section and Chair of its Gaia Sustainability Program, which seeks to serve and enable all SPE members in proactively navigating these challenging yet exciting times. He has received numerous awards and recognitions for his service to the SPE membership and society, including receiving the 2021 SPE International Public Service Award, the 2013 SPE Distinguished Service Award granting him Distinguished lifetime membership, the 2010 American Petroleum Institute Meritorious Service Award, and the 2004 SPE International Young Member Outstanding Service Award. Etkind is an active energy innovator, evidenced by two advanced energy-related patents.



Johana Dunlop joined the oil and gas industry in 1992 as a risk manager to the Schlumberger seismic business and subsequently several other business units. After five years as a risk manager, a role she loved, Johana asked for a sabbatical year. She headed off to Post-Soviet Armenia to volunteer with a grassroots aid agency, which led to a career pivot from risk management into the emerging business and sustainable development field. That life-changing experience catalyzed her conviction that business was the most significant force for improving her quality of life. There

were dimensions of business that were significant in societal impact - both beneficial and depleting - and were often underestimated. In 2017 was named to the international board of the SPE as the Technical Director of HSE & Sustainability. During her 3-year tenure, she created a Safety Leadership Academy and the SPE Gaia Sustainability Program, engaging and enabling oil and gas engineers and scientists in service of sustainable development and, by extension, our industry, and the planet.

On September 1st, she was appointed as the Membership Engagement Manager for the IOGP and continues her sustainability advisory support to both CEDEP and Carbon Connect International. When she's not working, she loves spending time with family and friends and walking her Pug dog in the forest of Fontainebleau, where she lives with her teenage daughter.



Jim Crompton retired from Chevron in 2013 after almost 37 years with the major International Oil & Gas Company. After moving from Houston to Colorado Springs, Colorado, Jim established the Reflections Data Consulting LLC to continue his data management and analytics for the exploration and production industry.

Jim was a Distinguished Lecturer for the Society of Petroleum Engineers in 2010-

2011, speaking on “Putting the Focus on Data.” He is a frequent speaker at SPE conferences on Digital/Intelligent Energy and the Data Foundation. His interests lie in the full spectrum of the information value chain from data capture, data management, data visualization, data access, modeling and analytics, and simulations. In 1999, Crompton was elected to the position of chair of the general committee of PIDX (Petroleum Industry Data Exchange), the API electronic commerce subcommittee. Jim was able to influence the direction of the standards-setting activities towards emerging technologies, such as XML and new electronic business models in the energy industry.

Crompton worked on the IT merger integration organization study team in 2001 as part of the Chevron & Texaco merger, which developed the IT organization structure and IT strategic direction for the corporation, where he received a President’s Award for this activity.

In acknowledging his contributions in applications of information technology to business problems and in developing industry standards in electronic data exchange, Jim was named a Chevron Fellow in 2002 and served as the chair of the Fellows Network from 2006-2008.



David Stewart is the Vice President of Environmental Solutions and Regulatory Affairs, responsible for developing strategic relationships with external clients to drive environmental solutions to enable customers’ ESG performance. Additionally, he partners with the customer success, operations teams, and others to provide meaningful feedback for continuous improvement in our products.

Before joining our team, David worked at Crestone Peak Resources and several other oil and gas exploration and development companies as an executive leader in environmental,

health safety, and regulatory areas. Before these experiences, David worked in environmental consulting specializing in air quality management. David holds an undergraduate degree in History and Biology focused from Coe College and a Master of Science in Environmental Policy and Management from the University of Denver.

SPE—Denver Section Industry Partners SPEE Denver Chapter.

Ethics Topics

Dr. John D. Wright, Chief Engineer, Wright Consulting Company.

📍 Denver Athletic Club | 1325 Glenarm Pl, Denver, CO 80204
 📅 Wednesday, December 8th, 2021 11:30AM – 1:00PM

Abstract:

Several short case studies led by Denver SPEE members will be discussed at each table and then discussed amongst the entire group.

Speakers:



John D. Wright, PhD, P.E., is Chief Engineer of Wright Consulting Company in Golden, Colorado. He has more than 45 years of domestic and international oil and gas experience in property evaluation, production engineering, reservoir engineering, and coalbed natural gas development, and has been an expert witness in more than 40 oil and gas industry cases.

Dr. Wright has been a principal in three petroleum engineering consulting firms over a 30 year span and taught Petroleum Engineering at the Colorado School of Mines for eight years. He has worked as a pumper and a petroleum engineer, is working interest owner and lessee as well as a mineral interest owner and lessor. He has worked on six continents and taught numerous short courses on oil property evaluation and other subjects throughout the world. He has been heavily involved in the Society of Petroleum Evaluation Engineers for many years including being the chief technical contact and presenter at three economic software symposia. In 2018, SPEE Honorary Life Membership was conferred upon Dr. Wright.

GAIA SUSTAINABILITY STUDY GROUP

Measure What Matters

James Crompton Professor of Practice, Petroleum Engineering (Colorado School of Mines).

📍 Dominion Towers | 600 17th Street. Ste. 2300. Denver, CO 80202
 📅 Tuesday, December 21st, 2021 11:45AM – 1:00PM

[Register Now](#)

Abstract:

Everyone is talking about methane emissions. The purpose of this talk is to help the SPE membership understand why methane emissions are significant and what we all can do about this issue. Methane, the chief component of natural gas, is released during oil and gas extraction and leaks into the atmosphere from the various pieces of equipment on an oil and gas site, such as storage tanks, valves, fittings, and pipelines. The purpose of methane measurement technologies is twofold: to detect leaks so they can

be fixed and figure out if those efforts are paying off in methane reductions in the atmosphere.

Speaker:

Jim retired from Chevron in 2013 after almost 37 years with the major international oil & gas company. After moving from Houston to Colorado Springs, Colorado, Jim established the Reflections Data Consulting LLC to continue his data management and analytics for the exploration and production industry.

Jim was a Distinguished Lecturer for the Society of Petroleum Engineers in 2010-2011, speaking on "Putting the Focus on Data." He is a frequent speaker at SPE conferences on Digital/Intelligent Energy and the Data Foundation. His interests lie in the full spectrum of the information value chain from data capture, data management, data visualization, data access, modeling and analytics, simulations, and serious gaming.

Before joining Chevron in Denver, Colorado, Jim graduated from the Colorado School of Mines (BS in Geophysical Engineering in 1974 and MS in Geophysics in 1976). He later earned an MBA degree (1996) from Our Lady of the Lake University (San Antonio, Texas). In 1999, Crompton was elected to the position of chair of the general committee of PIDX (Petroleum Industry Data Exchange), the API electronic commerce subcommittee. Jim was able to influence the direction of the standards-setting activities towards emerging technologies, such as XML and new electronic business models in the energy industry. Crompton worked on the IT merger integration organization study team in 2001 as part of the Chevron & Texaco merger, which developed the IT organization structure and IT strategic direction for the corporation, where he received a President's Award for this activity.

In acknowledging his contributions in applications of information technology to business problems and in developing industry standards in electronic data exchange, Jim was named a Chevron Fellow in 2002 and served as the chair of the Fellows Network from 2006-2008.

In 2017, Jim was named the PNEC Cornerstone award winner for career accomplishments in data management. Jim was also selected to be on the SPE Digital Energy Technology Section (DETS) board and is chair of the Digital Transformation committee under DETS.

Please note that the Study Group is a bring your own lunch event.

SPE—Renew Your Membership for 2022!



THRIVE IN THE ENERGY SECTOR WITH SPE

It's time to renew your SPE membership for 2022.

By renewing, you'll continue to support Denver's energy industry. You will also get access to SPE's networking events, industry insight and energy-focused study groups, including discussions on ESG.

Don't wait, renew today!



Click or tap the picture above to do it now!

SPE—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: December 21st, 2021

Time: 6:15 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 Rescue Mission. 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. Volunteers must be vaccinated.

Please get in touch with community outreach team member Nico Cosca for more details!

[Register Now](#)

SPE Supports Our Next Generation

Date: December 9th, 2021

Time: 8:30-9:30am

Location: Hinkley High School | 1250 Chambers Rd, Aurora, CO 80011

Limited: 6 volunteers

Free

Description:

Hinkley High School in Aurora offers students the opportunity to participate in an engineering course track. Please take advantage of this opportunity to mentor students in various ways! Females, individuals of diverse ethnic backgrounds, and individuals with unique career paths (not just engineers) are encouraged to volunteer! Meet with Hinkley's senior high school students' STEM

project teams, hear their proposed problem statements, ideas, and help guide their proposed project..

Please contact community outreach team member Julie Tannehill for more details!

Register Now

Watch this space for additional upcoming volunteer opportunities in the Denver area.

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 or Terrilyn Olson at tmolson8550@gmail.com.

Upcoming Events:

Members in Transition Webinar: GRANT WRITING FOR GEOSCIENTISTS

Date: December 9th, 2021

Time: 12:00 pm MDT

Location: Online Webinar via AAPG Zoom

Free

Description:

The goal of this presentation is to identify opportunities to obtain funding or participate in a funded grant or federally funded contract that was awarded based on a response to a Call for Proposals. During the webinar, attendees will learn.

- > Key features of a grant
- > Key features of a contract awarded in response to a Call for Proposals
- > Who awards grants and contracts
- > Eligibility for grants and contracts
- > Where to find grant-makers and Calls for Proposals
- > How to read a Call for Proposals
- > The anatomy of a proposal
- > Representations and certifications documentation
- > Making connections and networking to learn of upcoming opportunities

Registration is available on RMAG's website here:

Register Now

Panelists:

Susan Nash is currently Director of Innovation, Emerging Science and Technology at AAPG. She has many years of experience in writing and implementing both grants and contracts awarded by government and private sources.

This talk is presented by the Rocky Mountain Members in Transition (MiT), a joint effort of members of AAPG, DERL, DIPS, DWLS, RMAG, SPE, WENCO, WGA, and WOGA.

Members in Transition Webinar: MINING BRINES - A UNIQUE APPROACH TO TRADITIONAL EXPLORATION AND PRODUCTION

Date: December 16th, 2021

Time: 12:00 pm MDT

Location: Online Webinar via RingCentral

Free

Description:

At the recent COP26 meetings, it was evident that there is an ever-increasing global demand for economically viable carbon capture technology. Using nature's own design, our proprietary CCUS technology offers scalable solutions for owner/operators of CO₂-emitting facilities located near suitable sources of subsurface brines. These mineral-rich brines can be sourced from new or targeted brine exploration areas, or from a large inventory of existing mine sites and oil and gas production operations. It is our goal to advance the use of CCUS processing technology that, on a global scale, provides an ESG-compliant future for a "Sustainable Energy Industry."

Registration is available on RMAG's website here:

Register Now

Panelists:

Tom is a registered petroleum engineer who has over 37 years of upstream operations, reservoir, and M&A experience. He joined Marathon Oil in 1981 and spent the next 29 years overseeing operations in Wyoming, Utah, Texas, and Colorado. In 2010, he assumed a position as Business Development Manager for Whiting Oil and Gas Corporation, focusing on drilling JV's and in Acquisitions and Divestitures which has successfully led to over \$1 Billion in business transactions in the Bakken, DJ, Green River, and Uinta Basins.

He has a Bachelor of Science degree in Petroleum Engineering from Montana Tech (1981), and is a registered Petroleum Engineer in Wyoming since 1986. He has been a member of SPE since 1978 and is active in several professional organizations and associations. This talk is presented by the Rocky Mountain Members in Transition (MiT), a joint effort of members of AAPG, DERL, DIPS, DWLS, RMAG, SPE, WENCO, WGA, and WOGA.

Rockies Members in Transition: Closing a Chapter

by Terri Olson

Rockies Members in Transition formed in April of 2020 in response to the coronavirus pandemic, plunge of oil prices, and dramatic shift in outlook for technical professionals in the petroleum industry. RMAG joined forces with AAPG and SPE to provide resources for geoscientists and engineers looking for support and information about pivoting within and beyond the oil business. Susan Morrice started the group patterned after the existing Members in Transition (MiT) effort in the Gulf Coast that SPE started in 2017.

The dedicated committee for the past 20 months included Ben Nathan from SPE Denver Chapter, Dawn Lima from Women's Oil and Gas Association, Nathan Rogers from RMAG, Susan Nash with AAPG and me (RMAG and AAPG). All these folks have found relevant talks and moderated webinars. Deb Ryan (SPE), Robin Swank (RMAG), Brandy Butler (RMAG and WGA), Andrea Ayala (SPE Denver) plus Yulia Faulkner and Jenny LaGessee (DWLS) also contributed by providing ideas, webinar platforms and publicity. Julia Lemaster was an early participant and has helped publicize MiT events through the Petroleum Pivoters group that she founded on LinkedIn. More recently, Tim Rathmann (Denver International Petroleum Society) and Shishir Shivhare (SPE Denver) have hosted webinars and moderated talks for Rockies MiT and their societies. Kathy Mitchell-Garton (RMAG staff) has provided stalwart support throughout and hosted the majority of virtual events and registration through RMAG as well as designing the flyers for all events. Debby Watson also helped by publicizing events through social media. Topics of MiT presentations have run the gamut from jobs and drivers of the energy transition to skills assessment and development. Some of the most popular talks have been about geothermal energy—three of the six talks related to geothermal garnered over 100 attendees and many more views of the recorded videos. Kudos and thanks to Emilie Gentry for organizing most of the geothermal talks. Other popular topics are Python skill development, and carbon capture, utilization and storage (CCUS). Average attendance has been over 50 participants.

The majority of the 39 webinars to date were recorded and can be linked to from the RMAG website under Events/Past Events/Members in Transition videos. This archive provides ongoing resources for anyone looking for information about career options. Recordings of 2020 webinars have been viewed over 1200 times, and 2021 videos have been accessed over 500 times to date.

Panel discussions with audience input have allowed for interactive participation. Panels of experts addressed numerous themes, notably recruiters' perspectives, transitioning to teaching and to tech jobs, operating vs service company employment, hydrology jobs, CCUS, decarbonizing the energy workforce, software for freelancers, and energy economics and policy.

In light of the economic rebound, rise in oil prices, and successful job hunts for many of our audience, we are winding down Rockies MiT. Both committee participation and average attendance at webinars has dropped off this fall.

There are a few remaining MiT events scheduled for December and January: a webinar by Susan Nash about finding grant opportunities and writing grant proposals, one by petroleum engineer Tom Smith on critical mineral exploration, and one by a team of Chevron advisors on critical skills for new energy jobs. Watch for announcements and registration info from RMAG and on LinkedIn. I'd like to thank the committee for their active participation, the RMAG board for their support, and RMAG staff, especially Kathy Mitchell-Garton, for their strong support of members in transition.



Please get in touch with Members in Transition SPE liaison
Shishir Shivhare for more
 details! shishir.shivhare@sproule.com

Society of Petroleum Engineers - Denver Section

<p>Americas 222 Palisades Creek Dr. Richardson, TX 75080-2040 USA</p>	<p>Asia Pacific Level 35, Gardens South Tower Mid Valley City, Lingkaran Syed Putra 59200 Kuala Lumpur, Malaysia</p>	<p>Europe 1st Floor, Threeways House 40/44 Clipstone Street London W1W 5DW UK</p>	<p>Middle East Fortune Towers, 31st Floor Offices 3101/2, JLT Area P.O. Box 215959, Dubai, UAE</p>
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SPE members receive periodic emails on events and programs related to the section to which they belong. If you no longer wish to receive emails from this section, please opt-out. You may also choose to review your email preferences with SPE International.

