

GENERAL MEETING - SPE DISTINGUISHED LECTURER

Fractional Dimension Rate Transient Analysis (FD-RTA): A Key to Unconventional Wells and Complex Fracture Networks

Location

- Fogo de Chão - Downtown Denver
 - 1513 Wynkoop Street, Denver, CO 80202

Date

- Wednesday, October 16th, 2024
 - 11:30 AM – 1:00 PM

Speaker

- Jorge A Acuna,
 - Principal Engineer, J Acuna Consulting, LLC

Session Overview

Unconventional wells show features that make them very difficult to characterize. One of them is the “transitional” flow regime that lasts months to years and is different from known flow regimes such as linear or boundary dominated flow. Fractional Dimension RTA (FD-RTA) is based on work on fractals and fractional dimension systems from the late 80’s and early 90’s. These principles were significantly expanded with innovative elements, rigorous solutions, modeling techniques, and adapted to the geometry of unconventional wells. The result is FD-RTA, a new technique to analyze and understand fracture networks ranging from complex ones with rock fragments of many different sizes to simple ones with equally spaced fractures. This lecture explains the evolution of these ideas and the power of the fractional dimension approach to explain “transitional” flow regimes as the result of fracture complexity.

Sponsor:



**EARLY BIRD REGISTRATION
CLOSES OCTOBER 14TH AT 12:00 PM
EVENT IS EXPECTED TO SELL OUT
REGISTER NOW**

Meet our Speaker

Dr. Jorge Acuna graduated from USC in 1993, where he worked on transient behavior of fractal networks of fractures. He joined Chevron (then Unocal) in 1996. He became a leading expert in geothermal modeling and reservoir engineering. He started work in unconventional pressure and rate transient analysis in 2012 and developed Fractional Dimension RTA between 2016 and 2020. The method was published and implemented in commercial software. He retired from Chevron in 2022 to start his own consulting firm J. Acuna Consulting. He has authored more than 30 papers, regularly reviews SPE papers and has participated as session chair in SPE conferences.

YOUNG PROFESSIONALS LUNCH AND LEARN



SPE Young Professionals Lunch & Learn

LUNCH SPONSOR:



VENUE SPONSOR:



USING XSPOC FOR INTELLIGENT SETPOINT OPTIMIZATION OF ROD LIFT WELLS

NOV 7 | 11:30 AM – 1:00 PM | LIBERTY ENERGY
950 17TH STREET SUITE 2400, DENVER CO, 80202

IAN NICKELL

SENIOR MANAGER, CUSTOMER SUCCESS



REGISTRATION AVAILABLE UNTIL DAY OF EVENT
REGISTER NOW
EVENT IS FREE!

Meet our Speaker

Ian Nickell has an undergraduate degree in petroleum engineering and a master's degree in mechanical engineering. He joined the Theta/ChampionX team (formerly Dover and then Apergy before ChampionX) back in 2016 as an artificial lift engineer. He also was the support team manager and product line manager before starting a new role as the customer success manager success team.

Abstract

Coming soon



Denver Section

JOIN US FOR OUR
**HALLOWEEN
PARTY**

OCT 25 5:30-8:30PM

FLIGHT CLUB | 1959 16TH
STREET MALL

REGISTER AT:
[DENVER SPE.ORG/EVENT/SPE-DENVER-HALLOWEEN-PARTY](https://denverspe.org/event/spe-denver-halloween-party)

\$20 INCLUDES DARTS,
OPEN BAR, AND
LIGHT SNACKS

JOIN US FOR THE SPE YP HALLOWEEN PARTY! REGISTRATION IS \$20 AND DON'T FORGET TO WEAR YOUR BEST COSTUME!

INDUSTRY EVENT- ZOO LIGHTS!



JOIN US AT THE DENVER ZOO!

THURSDAY, NOVEMBER 21ST 5:30 PM -9:30 PM

WE HAVE RENTED OUT THE ENTIRE DENVER ZOO. BRING YOUR FAMILY AND FRIENDS TO JOIN US AND HAVE A CHANCE TO EXPERIENCE THE 33RD ANNUAL ZOO LIGHTS. THE EVENING WILL FEATURE AN EXCLUSIVE OPPORTUNITY TO SEE THE ZOO LIGHTS BEFORE THE GENERAL PUBLIC. IT'S A FAMILY-FRIENDLY EVENT WHERE CHILDREN OF ALL AGES ARE ENCOURAGED TO COME ENJOY AN AMAZING NIGHT.

COME ENJOY THE LIGHTS, CAROUSEL, TRAIN RIDES, AND AN EVENING AMONGST FAMILY AND FRIENDS AT A VERY UNIQUE EVENT!

MEMBERSHIP AND NETWORKING EVENT

Location

- 3rd Shot Pickleball (3SP)
 - 3545 Wadsworth Blvd, Wheat Ridge, CO 80033

Date

- Friday, November 1st, 2024
 - 3:00 PM – 7:00 PM

Ticket Options

- Team Ticket - \$70
- Single - \$35 (will be added to a team on arrival)

REGISTER NOW

SPE Membership is hosting its inaugural Pickleball Tournament on October 25th. Come enjoy drinks and pickle with fellow oilfield professionals at 3rd Shot Pickleball from 3pm-7pm. Team themes are encouraged, and prizes will be awarded for the top (and not-so-skilled) picklers.

Paddles and Pickleballs will be provided to players who register!

SPONSORSHIP OPPORTUNITIES AVAILABLE. DETAILS ON REGISTRATION PAGE.



Denver Section

2024 Inaugural
SPE Pickleball Tournament
SPE Membership Networking Event

FRIDAY, NOV 1ST
3rd Shot Pickleball, Wheat Ridge, CO
Tournament begins at 3PM
Drinks and light food will be provided
Team themes are encouraged, and prizes will be awarded



SPE Pickleball Tournament

Membership Networking Event



COMMUNITY OUTREACH - SPE CARES

SPE Serves Breakfast at the Denver Rescue Mission



Location

- Lawrence Street Community Center
 - 2222 Lawrence Street, Denver, CO 80205

Date

- Tuesday, October 15th, 2024
 - 6:45 AM – 8:30 AM

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.

- Please get in touch with community outreach team member [Nico Cosca](#) for more details!

WATCH THIS SPACE FOR ADDITIONAL UPCOMING VOLUNTEER OPPORTUNITIES IN THE DENVER AREA.



COMMUNITY OUTREACH - DPS MENTORSHIP

What is Energy?

Energy embodies everything we do. To compare energy sources effectively, we need to understand where it comes from, how it is used, the cost and environmental impact.



Volunteers needed to help teach youth about our industry!

For more information please reach out to tannehilljulie@gmail.com



8TH GRADE CAREER FAIR

Let's talk about Oil and Gas: uses, industry, technologies, environment, educations, training and jobs.

November 20 & 21, 2024
8am to 3:45pm
Empower Field

For more information please reach out to

LILLI.PETERS@DARKVISIONTECH.COM

WATCH THIS SPACE FOR ADDITIONAL UPCOMING VOLUNTEER OPPORTUNITIES IN THE DENVER AREA.



SPECIAL ANNOUNCEMENTS

Join the Denver Section Industry Advisory Council (IAC)!

Location

- Denver Earth Resource Library
 - 730 17th St B-1, Denver, CO 80202

Date

- Tuesday, October 8th, 2024
 - 11:15 – 11:45 AM

The purpose of the IAC is to facilitate communication with, and amongst companies. The IAC allows for company liaisons to interact directly, and give feedback to the Denver SPE Section Board on how the Section can best their Denver-based professional staff.

Interested in being involved?
Contact Taylor Montoya
(Denver.SPE@gmail.com) for
more information.

SPECIAL ANNOUNCEMENTS - SPONSORSHIP OPPORTUNITIES

Sponsorship opportunities available!

	PLATINUM \$5,000	GOLD \$750	SILVER \$500
General Meetings (GM) held Monthly			
8 available GMs within the year cycle	•	•	•
GM Sponsorship Opportunities*			
Exclusive sponsor of the entire yearly program	•		
Exclusive sponsor for single general meeting		•	
Sponsor of a single general meeting (non-exclusive)			•
Benefits			
Company's short adds added to SPE Denver Monthly Newsletter	•		
Acknowledgement on Website (Sponsorship Banner)	•		
2 Attendee Passes Per Session	•		
Option to provide advertisement material at the registration table	•	•	
Company logo on name tags	•	•	
1 Attendee Pass to the GM Being Sponsored		•	•
Facebook / Twitter / LinkedIn Event Posts	•	•	•
Acknowledgement on Website (Event Advertisement)	•	•	•

**All contributions made to our programs are considered charitable contributions for IRS purposes*

Please contact Denver.SPE@gmail.com for more information



Denver Section



SPE YP PRESENTS:

FALL HAPPY HOUR

NOV 7TH | 5-7PM

WEST SALOON & KITCHEN - 501 16TH STREET MALL

FREE REGISTRATION

SPONSORED BY:

CHAMPIONX

MEMBERSHIP RENEWAL

RENEW YOUR MEMBERSHIP

Membership renewal for 2024 will begin starting in September.

ADVANTAGES OF MEMBERSHIP:

- ✓ Access to JPT and OnePetro
- ✓ Stay up to date with industry events
- ✓ Enjoyed discounted workshops and publications



RENEW HERE!



MORE INFORMATION

www.spe.org/en/join/renew/

