



Gulf Coast Section

**RESERVOIR STUDY GROUP  
PRESENTS**

# **Reservoir Technology Symposium 2020**

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**SEPTEMBER 24**

**SEPTEMBER 25**

**9:00 AM - 11:30 AM**

**Virtual Event**

# 2020 RESERVOIR TECHNOLOGY SYMPOSIUM

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The Reservoir Study Group is hosting its flagship, Annual Reservoir Technology Symposium as a fully virtual event spread over two half days, the mornings of September 24th and 25th, 2020. The 2-day event will include both Unconventional and Conventional topics and include a reunion of the keynote panel to continue to discuss the questions on the minds of attendees. The theme of this year's event is **RESERVOIR MANAGEMENT TECHNOLOGIES THROUGH THE FIELD LIFECYCLE**.

We see mature fields implement EOR and CO<sub>2</sub> re-injection to squeeze more out for minimal cost and environmental impact. Producing assets are drawing on sophisticated computer systems to optimize production and utilizing innovative data acquisition to more efficiently develop remaining resources. Advanced seismic imaging and integrated core analysis enable detailed subsurface characterization which leads to developments as big as new fields. New discoveries are being commercialized in the most challenging conditions yet. Through the field lifecycle, technology continues to step forward unlocking resources, but we are far from the ceiling, what technologies will drive reservoir management to the next level?

**Register at [spegecs.org/events/4429/](https://spegecs.org/events/4429/)**

# AGENDA

## DAY 01



### **Tailoring Completion Design to Reservoir and Geologic Quality Changes Across the Uinta Basin**

Tee-Suan Ong, Reservoir Engineer, Ovintiv

9:00 AM - 9:30 AM

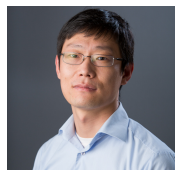


### **Interference Testing to Advance Appraisal and Development Strategies in Unconventional Reservoirs**

Trevor Ingle, Senior Completions Engineer, Devon

9:30 AM - 10:00 AM

○ ————— ○ **B r e a k** ○ ————— ○



### **Arkutun-Dagi Water Injection Conformance Control**

Lifeng Bi, ExxonMobil

10:15 AM - 10:45 AM

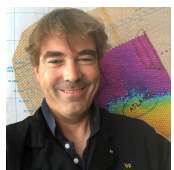


### **Performance Evaluation of a Deepshore Offshore Producer Using Real-Time Surveillance Diagnostics and Detailed Coupled Numeric Models**

Bulent Izgec, Senior Engineering Advisor, Hess

10:45 AM - 11:15 AM

○ ————— ○ **Q & A** ○ ————— ○



### **Atlantis Finding a Field within a Field**

Jean-Paul van Gestel, Adviser Geophysical Integration, BP

9:00 AM - 9:30 AM



### **OGCI Climate Investments**

Mark Coalmer, CCUS Projects Director, OGCI Climate Investments LLP

9:30 AM - 10:00 AM

○ ————— ○ **B r e a k** ○ ————— ○

## **K e y n o t e   P a n e l**

### **Reservoir Management Technologies Through The Field Lifecycle**

**James Hacker**  
Chief Reservoir  
Engineer  
ExxonMobil

**Vasilii  
Shelkov**  
CEO  
RFD

**Michelle Thomas**  
Head of  
Innovation  
BHP

**Tom Messonier**  
Director Asset  
Development  
Talos Energy

## DAY 02

# KEYNOTE PANEL

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**James Hacker**  
Chief Reservoir Engineer  
ExxonMobil



**Michelle Thomas**  
Head of Innovation  
BHP



**Tom Messonier**  
Director Asset Development  
Talos Energy



**Vasilii Shelkov**  
CEO  
RFD

# SPEAKERS

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**James Hacker**  
**Chief Reservoir Engineer**  
**ExxonMobil**

James Hacker holds B.S., M.S., and Ph.D. degrees from Stanford University in Mechanical Engineering. He has 25 years of experience with ExxonMobil. The first half of his career focused primarily on research and technology development, field pilots and development projects for heavy oil, tight gas, shale gas and EOR/IOR. The second half of his career, he was the Reservoir Manager for various development projects and producing assets in the US, Canada, Africa, Russia, Norway, UK, Kazakhstan, Indonesia and Argentina. For his entire career, James has been a strong advocate for technology development and application throughout the reservoir lifecycle. In April 2018, he was appointed Chief Reservoir Engineer



**Michelle Thomas**  
**Head of Innovation**  
**BHP**

Michelle joined BHP in 2017 and is currently Head of Innovation enabling growth across the Petroleum Portfolio including Exploration, Appraisal, Projects and Producing assets. Michelle has over 20 years of industry experience, working in technical and leadership roles of increasing complexity and scale including management of exploration portfolio in South America, West Africa for Hess and more recently as the Head of Gulf of Mexico exploration for BHP. With a deep technical background in quantitative geophysics, Michelle has also held a number of global functional support roles leading geophysical teams delivering business support, technical assurance, innovation and people development across the petroleum value chain at both Hess and BHP. She holds a BA(Hons) in Earth Sciences from the University of Cambridge and a Master of Science in Petroleum Geology from the Institut Francais du Petrole.



# SPEAKERS

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**Tom Messonnier**  
**Director Asset Development**  
**Talos Energy**



Tom joined Talos Energy in 2018 following the merger with Stone Energy and is currently the Director of Asset Development. In this role, he is responsible for development activities in Talos' Gulf of Mexico producing assets. Prior to his current position, Tom held the position of VP, Exploration with Stone Energy where he was responsible for Stone's exploration, development and business development functions. Tom also served as the VP, Corporate Development with responsibility for corporate planning, reserve reporting, and marketing. Tom has over 35 years of experience spanning broad managerial, reservoir engineering and financial disciplines. Tom began his career as a reservoir engineer with ARCO and Vastar after graduating from LSU with a B.S. and M.S. in Petroleum Engineering. He also holds an MBA with a concentration in Finance from Tulane University.

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**Vasilii Shelkov**  
**CEO**  
**RFD**



Vasili is a co-founder and CEO of Rock Flow Dynamics (RFD) - a technology company engaged in development of integrated simulation solutions for reservoir engineers and geologists. He has a PhD in Physics from SMU, Dallas and he spent 6 years at Lawrence Berkeley National Lab as Postdoctoral Fellow in High Energy Physics. He was an assistant scientist at Brookhaven National Lab and was a part of Team USA at CERN ATLAS experiment. He was the Head of Production Monitoring at Yukos Exploration and Production.

# **SPEAKERS**

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## **Tailoring Completion Design to Reservoir and Geologic Quality Changes Across the Uinta Basin**



**Tee-Suan Ong**  
**Reservoir Engineer**  
**Ovintiv**

Tee Suan began his reservoir engineering career with a major IOC focusing on offshore exploration, development, and reservoir management in Malaysia. He came to the US eight years ago and has been involved in resource play evaluations and development.

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## **Interference Testing to Advance Appraisal and Development Strategies in Unconventional Reservoirs**



**Trevor Ingle**  
**Senior Completions Engineer**  
**Devon**

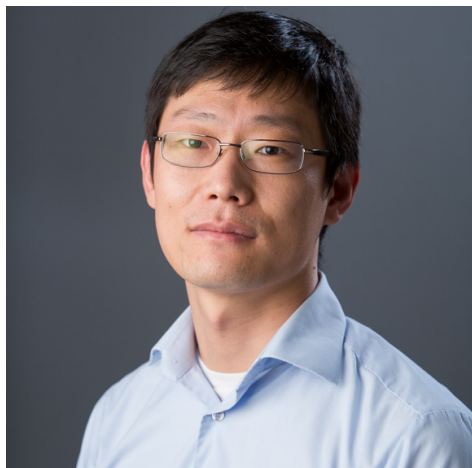
Trevor Ingle is a Senior Completions Engineer in corporate Subsurface Engineering Team at Devon Energy. He currently supports the Delaware Basin, Eagle Ford, and STACK asset teams on various subsurface topics with focus on completion design and development strategy. Current responsibilities include understanding depletion impacts and developing mitigation strategies, completion design optimization, leading diagnostic projects, as well as advancing sealed wellbore pressure monitoring and integrated subsurface workflows. He has 7 years of service with Devon Energy and holds a BS in Petroleum Engineering from the University of Oklahoma.

# SPEAKERS

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## Arkutun-Dagi Water Injection Conformance Control

**Lifeng Bi**  
**ExxonMobil**

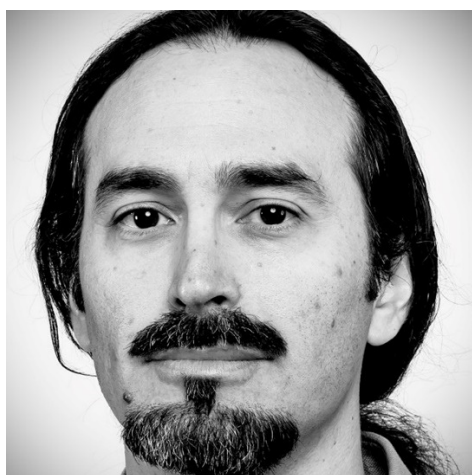


Lifeng Bi has been a Reservoir Engineer for ExxonMobil for 11 years. He has worked wide variety of assignments including research and application of gridding and scale-up, development of next generation of reservoir modeling and simulation software, and assisted history matching technologies. He also provided reservoir simulation support to various assets in Middle East, Angola and Russia. For the past 3 years, he has been working on the Arkutun-Dagi field responsible for coordinating reservoir surveillance activities, generating new drill well opportunities, and optimizing the reservoir depletion plan.

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## Performance Evaluation of a Deepshore Offshore Producer Using Real-Time Surveillance Diagnostics and Detailed Coupled Numeric Models

**Bulent Izgec**  
**Senior Engineering Advisor**  
**Hess**



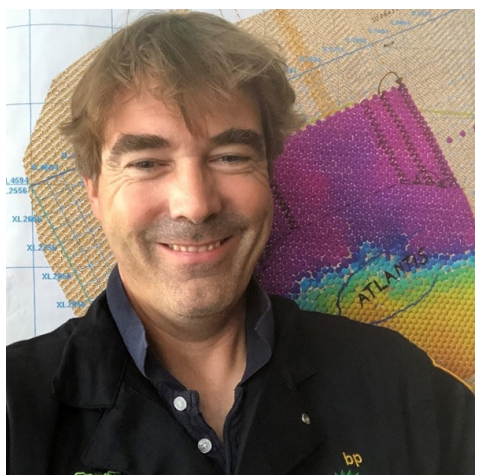
Bulent Izgec is a senior engineering advisor at Hess Corporation in Houston. His experiences include reservoir/ production engineering & geomechanics. In his current role he serves as a technical authority for injector well performance management, ramp-up/ drawdown optimization for producers & integrated production/ injection modeling. He has taught numerous classes on production/ reservoir engineering & real-time surveillance/ performance optimization all around the world for the last 15 years. He holds a BS degree in geophysics, MS & PhD degrees in petroleum engineering from Texas A & M.



# SPEAKERS

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## Atlantis: Finding a Field within a Field



**Jean-Paul van Gestel**  
**Adviser Geophysical Integration**  
**BP**

Jean-Paul van Gestel has been working for BP for the last 20 years. His current role is as Adviser Geophysical Integration. As a value-focused geophysicist, his technical goal is to ensure all seismic activity has a direct impact on the business objectives. He brings industry experience from several regions (GoM shelf, Brazil exploration, Netherlands, Norway, and GoM production) and functions as integrated geophysicist and seismic analyst. His strengths are:

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## OGCI Climate Investments



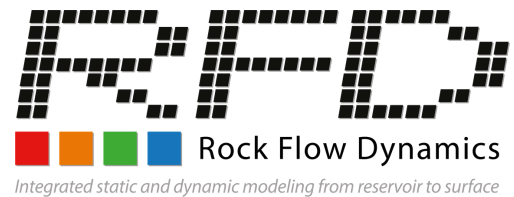
**Mark Coalmer**  
**CCUS Projects Director**  
**OGCI Climate Investments LLP**

Mark Coalmer has more than 25 years of engineering, project management, operations, management, and business development experience in upstream oil and gas, including unconventional, primary, gas injection, waterflooding, steam flooding, CO<sub>2</sub> EOR, natural gas production, and gas processing. He is currently serving as the CCUS Projects Director for OGCI Climate Investments LLP, where he is leading the technical team working on identifying and investing in climate-improving projects worldwide, with emphasis on carbon capture, utilization, and storage. Climate Investments is a >\$1B fund created by the 13-member Oil and Gas Climate Initiative.

# SPONSORS

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## Virtual Platform

# BHP

# **BEST PRACTICES**

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## **1. Network/Bandwidth Best Practices**

- **Open WebEx invite with “join link”**
- **Disconnect from VPN prior to joining the WebEx meeting**
- **Close all other apps (e.g. Outlook, browsers) not required for the event**
- **Minimize other devices or apps using your home network (e.g. Internet-based games, Netflix, etc.)**

## **2. Audio Best Practices**

- **Connect computer audio or have WebEx call a mobile or landline**
- **Make sure the microphone is as close to you as possible, while speaking**
- **Keep yourself on mute when you are not talking**

**3. When asking a question on video, watch your surroundings and make sure it is distraction and noise-free**

# COMMITTEE

**Swathika Jayakumar**  
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**Rock Flow Dynamics**

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