



IES 2019

Innovation & Entrepreneurship Symposium

February 27-28, 2019 | Houston, Texas

IES INNOVATION &
ENTREPRENEURSHIP
SYMPOSIUM



IES Committee



Chris Reinsvold
Reinsvold & Associates



Aaron Burton
Unconventional Oil and Gas Training



Shon Bourgeois
Marathon Oil Company



Elizabeth Cambre
Tendeka



Mikhail Gladkikh
Baker Hughes, a GE Company



Abhijeet Inamdar
Equinor



Allison Jurgens
25/25 Marketing



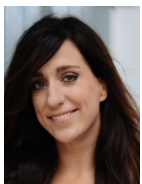
Moji Karimi
Cemvita Factory



Claudia Montoya
Marathon Oil Company



Amanda Scott
Petroleum ETC



Sarah Stogner
Carver Darden



Stuart Coleman
Chevron

IES INNOVATION & ENTREPRENEURSHIP SYMPOSIUM

Welcome to the 2019 Innovation & Entrepreneurship Symposium in Houston, TX!

Throughout the recent cycles, the oil and gas industry has continued to change at a rapid pace. Innovation is a key part of surviving and thriving, and our industry has seen several examples of innovations including longer laterals, advanced completions, high-resolution subsurface diagnostics, increased digitalization and many other technological advances. Regardless of the oil price tomorrow, it is imperative to continue this innovative mindset and challenging the status quo.

To capitalize on the positive impact that disruption and change can have on our industry, the SPE-Gulf Coast Section is excited to host the Innovation and Entrepreneurship Symposium in Houston. This annual two-day event brings together the oil and gas investors, entrepreneurs, innovators, and corporate leaders that together make up the oil and gas innovation and entrepreneurship community.

The agenda includes keynote speeches, panel sessions, and a half-day shark tank event. These events are led by innovators, thought leaders, and speakers that are subject matter experts in their fields. We are confident that everyone will find something extremely useful and interesting during the IES! Enjoy the event and we are looking forward seeing you again next year!

We are grateful to our sponsors for supporting our mission and making this Symposium possible!



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Symposium: Day One

- 7:30 AM: Registration & Breakfast – Networking**
- 8:25 AM: Welcome and Overview of the Symposium**
- 8:30 AM: Keynote I - The Future of Energy**
Helge Hove Haldorsen, Investment Relations, Equinor
- 9:00 AM: Panel I - Innovation from Other Industries**
Moderator: **Tim Kopra**, Partner, Blue Bear Capital
Steven Gonzalez, Technology Transfer Strategist, NASA
Deven Desai, Product Lead – Energy Markets, Planet
Jason Cahill, Managing Partner, McCune
- 10:00 AM: Networking & Break**
- 10:30 AM: Panel II - Workforce Challenges in the New Technology Environment**
Moderator: **Wesley Vestal**, VP of HR Western Hemisphere, Weatherford
Amy Thompson Broussard, CHRO, Apergy
Mark LaCour, CEO, Oil and Gas Global Network
Katherine Zamsky, Founder and CEO, Bera, Inc. Investor Club
- 11:30 AM: Keynote II - Expanding the Impact of Energy Innovation and Investment**
Conner Prochaska, Chief Commercialization Officer and Director OTT, U.S. Department of Energy
- 12:00 AM: Luncheon**
- 1:00 PM: Panel III - Emerging Technologies in Oil & Gas**
Moderator: **Annabel Green**, Chief Technology Officer, Tendeka
Jeremy Sweek, Partner, Darcy Partners
John Barnes, Chief Executive Officer, The Barnes Group
Sha-Chelle Manning, Vice President of Technology and Ventures, Cimarex
- 1:45 PM: Panel IV - Partnership & Collaboration in Oil & Gas Technology Development**
Moderator: **Richard Spears**, Vice President, Spears & Associates
Andrea Course, Principal – Corporate Venture Capital, Schlumberger
John Gibson, Chairman – Energy Technology, Tudor, Pickering, Holt & Co.
Ken Tubman, Vice President Technical Innovation, Marathon Oil Co.

Symposium: Day One

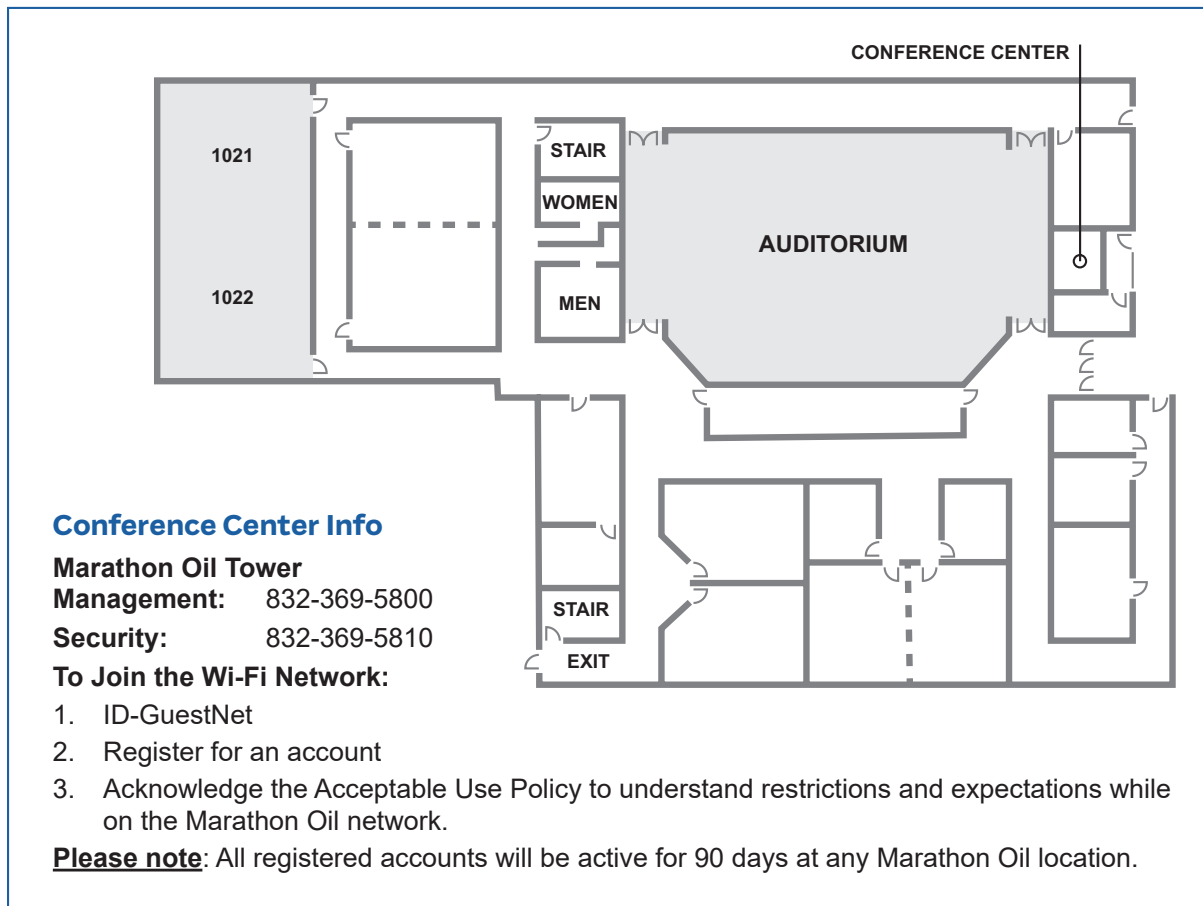
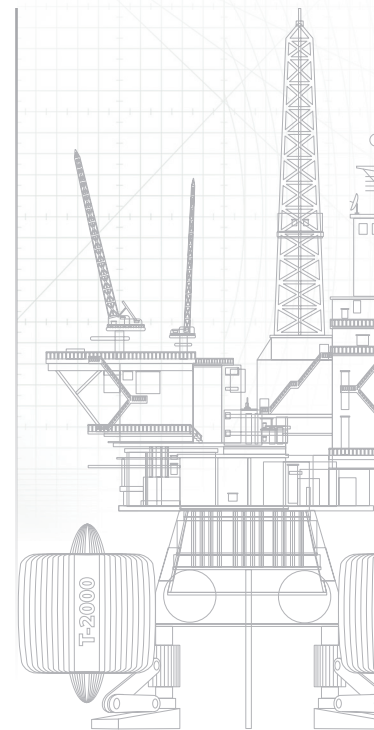
2:30 PM: Networking & Break

3:00 PM: Keynote III - Risk Mitigation in an Increasing Digital World
Steven Lupo, Special Agent, FBI

3:30 PM: Panel V - Digital Transformation in Oil & Gas
Moderator: **Gaurav Khandelwal**, Founder and CEO, ChaiOne
Charlie Cosad, Vice President of Energy Solutions, Enthought
Jose Silva, Lead Business Strategist, Anadarko
Tim Roden, Manager – Geoscience Software, Shell

4:30 PM: Networking Social Begins

6:30 PM: Adjournment of Day One



Symposium: Day Two

- 7:30 AM: Registration & Breakfast – Networking**
- 8:30 AM: Keynote IV – The Entrepreneur’s Support Ecosystem**
Gabriella Rowe, Chief Executive Officer, Station Houston
- 9:00 AM: Panel VI- Entrepreneurs Share their Triumphs and Challenges**
Moderator: **Russ Capper**, Executive Director, Houston Exponential
Andrew Aubrey, Co-Founder and CEO, Seekops
John Cavitt, Founder and CEO, Covenant Testing Technologies
Allison Sawyer, Partner, League of Worthwhile Ventures
- 9:45 AM: Networking & Break**
- 10:15 AM: Panel VII- Defining the Value Proposition for a New Venture or Innovation**
Moderator: **John Jameson**, Independent Consultant
Amy Henry, Co-Founder and CEO, Eunike Ventures
David McLellan, Principal, Ridgeway Strategic Consulting
David Reid, Chief Marketing Officer, National Oilwell Varco
- 11:15 AM: Panel VIII– Sources of Funding**
Moderator: **Maigen Berg**, Managing Director, The Cannon
Jason Turowsky, Partner, Intervale Capital
Luis Alcoser, Venture Executive, Chevron Technology Ventures
Will Franklin, Managing Director, Lime Rock Partners
- 12:00 AM: Luncheon**
- 1:00 PM: Shark Tank**
Moderator: **Jim Sledzik**, Saudi Aramco Energy Ventures
Derek Rice, Rice Investment Group
Espen Strøm, EV Private Equity
Hossam Elbadawy, SCF Ventures
Samantha Lewis, Goose Society Venture Capital Group
Ben Abadi, Energy Innovation Capital
- 2:30 PM: Networking & Break**
- 3:00 PM: Shark Tank Continues**
- 4:30 PM: Closing Remarks**
- 4:35 PM: Adjournment of Day Two**

Keynote Speakers



Helge Hove Haldorsen holds the position of VP Investor Relations North America with Equinor in Houston. He previously served as Director General Statoil Mexico and VP Strategy & Portfolio Statoil North America. Prior to his tenure at Equinor, Haldorsen held various President, Vice President, and Chief roles at Norsk Hydro. Helge has lived all over the world and held various technical positions at BP, Sohio, and ExxonMobil. He was a Second Lieutenant in the Royal Norwegian Navy, a professor at the University of Oslo and a lecturer at Stanford. Dr. Haldorsen has served on the Society of Petroleum Engineer's Board of Directors for three years and was the 2015 President of The SPE. He has been an SPE Distinguished Lecturer and Author.



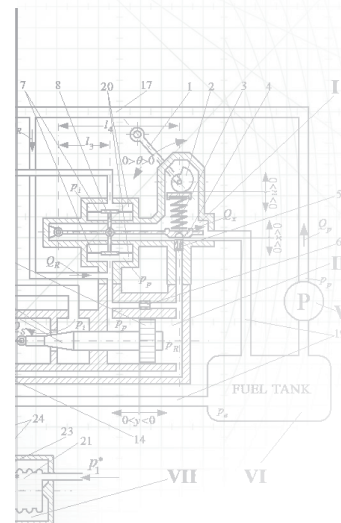
Conner Prochaska currently serves as Chief Commercialization Officer for the Department of Energy and Director of the Office of Technology Transitions. Prior to OTT, Prochaska served as Senior Advisor and Chief of Staff of the Advanced Research Projects Agency-Energy (ARPA-E). As part of the agency's leadership team Conner managed day-to-day operations and provided strategic leadership for the agency. Prior to joining DOE, Prochaska was Senior Vice President and the Associate General Counsel at a public investment fund where he led fund operations. Prochaska also served as an Intelligence Officer in the United States Navy, obtaining the rank of Lieutenant. During his Navy career Prochaska focused on Anti-submarine Warfare and Counter –Weapons of Mass Destruction intelligence. Prochaska earned his J.D. at The George Washington University School of Law and his B.A. at Texas A&M University where he was elected Student Body President.

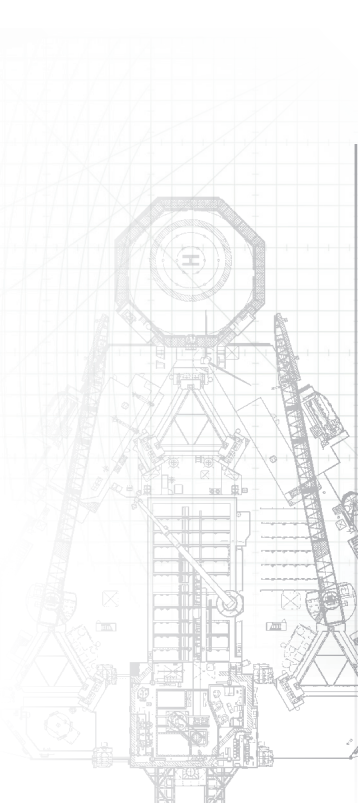


Steven Lupo is a special agent in the Cyber Task Force of the FBI working CI/Cyber intrusion. He has worked for the FBI during the last 15 years. Before his current assignment, the special agent worked for 10 years in the Houston Division working Counterintelligence –including outreach to Oil and Gas industry for the Offshore Technology Conference–, for 2 years as Supervisory Special Agent in DC working Counter-proliferation, and he worked for 3 years in Counterterrorism. Before joining the FBI, S.A. Lupo was a police officer for 14 years.



Gabriella Rowe is the CEO of Station Houston, a growing hub for startup technology companies, corporate innovation and entrepreneurship in Houston. Station Houston is driving the city's startup ecosystem, with over 180 startups, 350 members, 130 mentors, and multiple strategic partnerships representing key industries driving Houston's economy. Gaby is responsible for stewarding Station Houston to become a global innovation hub and partner in developing Houston's much-anticipated innovation district. Prior to Station Houston, Gaby was an education executive, investment banker and management consultant for more than 25 years. Gaby received her BA from Bryn Mawr College and all Masters coursework at Bank Street College of Education in New York City. Gaby and her husband, Kenny, have four children. She is an avid runner and a football fan and practices her "pitmaster" skills most weekends.





Panel I: 9:00am, February 27

Innovation from Other Industries



Moderator:
Tim Kopra
Partner, Blue
Bear Capital



**Steven
Gonzalez**
Technology
Transfer
Strategist,
NASA



**Deven
Desai**
Product Lead
– Energy
Markets,
Planet



**Jason
Cahill**
Managing
Partner,
McCune

Panel II: 10:30am, February 27

Workforce Challenges in the New Technology Environment



Moderator:
**Wesley
Vestal**
VP of HR
Western
Hemisphere,
Weatherford



**Amy
Thompson
Broussard**
CHRO,
Apergy



**Mark
LaCour**
CEO, Oil and
Gas Global
Network



**Katherine
Zamsky**
Founder and
CEO, Bera,
Inc. Investor
Club

Panel III: 1:00pm, February 27

Emerging Technologies in Oil & Gas



Moderator:
**Annabel
Green**
Chief
Technology
Officer,
Tendeka



**Jeremy
Sweek**
Partner,
Darcy
Partners



John Barnes
Chief Executive
Officer, The
Barnes Group



**Sha-Chelle
Manning**
Vice President
of Technology
and Ventures,
Cimarex

Panel IV: 1:45pm, February 27

**Partnership & Collaboration in Oil & Gas
Technology Development**



Moderator:
Richard Spears
Vice President,
Spears &
Associates



Andrea Course
Principal –
Corporate
Venture Capital,
Schlumberger



John Gibson
Chairman
– Energy
Technology,
Tudor, Pickering,
Holt & Co.



Ken Tubman
Vice President
Technical
Innovation,
Marathon Oil Co.

Panel V: 3:30pm, February 27

Digital Transformation in Oil & Gas



Moderator:
Gaurav Khandelwal
Founder and
CEO, ChaiOne



Charlie Cosad
Vice President
of Energy
Solutions,
Enthought



Jose Silva
Lead Business
Strategist,
Anadarko



Tim Roden
Manager –
Geoscience
Software, Shell

Panel VI: 9:00am, February 28

**Entrepreneurs Share their Triumphs and
Challenges**



Moderator:
Russ Capper
Executive
Director,
Houston
Exponential



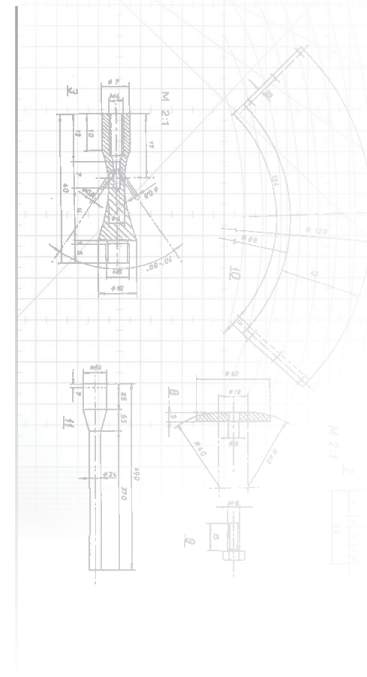
Andrew Aubrey
Co-Founder
and CEO,
Seekops



John Cavitt
Founder and
CEO, Covenant
Testing
Technologies



Allison Sawyer
Partner, League
of Worthwhile
Ventures



Panel VII: 10:15am, February 28

Defining the Value Proposition for a New Venture or Innovation



Moderator:
John Jameson
Independent Consultant



Amy Henry
Co-Founder and CEO, Eunike Ventures



David McLellan
Principal, Ridgeway Strategic Consulting



David Reid
Chief Marketing Officer, National Oilwell Varco

Panel VIII: 11:15, February 28

Sources of Funding



Moderator:
Maigen Berg
Managing Director, The Cannon



Jason Turowsky
Partner, Intervale Capital



Luis Alcoser
Venture Executive, Chevron Technology Ventures



Will Franklin
Managing Director, Lime Rock Partners



Shark Tank: 1:00pm, February 28

Shark Tank



Moderator:
Jim Sledzik
Saudi Aramco
Energy
Ventures



Derek Rice
Rice
Investment
Group



Espen Strøm
EV Private
Equity



Hossam Elbadawy
SCF
Ventures



Samantha Lewis
Goose Society
Venture Capital
Group



Ben Abadi
Energy
Innovation
Capital



Gulf Coast Section

IES Panelists Bios

The Innovation and Entrepreneurship Symposium committee would like to thank our speakers for contributing their time and expertise to making the IES a success. Your willingness to share your knowledge will ensure that innovators and entrepreneurs will be able to join you in changing the future.

Deven Desai

Deven Desai leads the Energy vertical at Planet Labs, an aerospace company with the largest fleet of Earth imaging satellites. His main responsibility is to create the right imagery and analytic products for the Energy industry. With all the recent advancements in producing and processing remote sensing data - it has become ever more important to extract the right signals to make better investment decisions. Prior to Planet, Deven created scalable software solutions for the Financial Services, eCommerce, and Healthcare verticals. He holds a MS in Information Technology along with a BS in Software Engineering from DePaul University in Chicago and a BS in International Business from Linköping University in Sweden.

Jason Cahill

A network design engineer by training, an experienced manager, an Army veteran who served with Special Forces, an empathetic customer advocate, and a product-focused leader that loves to think big. An MBA at Carnegie Mellon sparked his passion for tech, and for data-centric, mission-driven companies solving “real problems.” He’s always enjoyed helping teams and has long been an advisor/mentor/advocate for entrepreneurial ventures in various organizations. His investments have spanned sectors, but always gravitate toward high-performing operators.

Steven A. Gonzalez

For over 30 years, Mr. González has applied his skills in strategy, innovation and fostering collaborations to benefit the human exploration of Space. At the NASA/Johnson Space Center (JSC), he led the team to develop the 20-year strategy for the Center and was instrumental in creating numerous strategic initiatives that connected NASA to the entrepreneur and innovation community in Houston, including the creation of the SpaceCom Conference and Exposition. Mr. González has been embedded in the innovation ecosystem in Houston during his tenure as the NASA Executive Liaison at the Houston Technology Center (HTC) and at the Greater Houston Partnership (GHP). He received his Masters of Science at Texas A&M University and his Bachelors in Computer Engineering at Boston University.

Tim Kopra

Tim Kopra is a partner with Blue Bear Capital, a venture capital firm investing in companies that provide innovative technologies for the energy supply chain. He also serves as an advisor for a venture debt fund, real estate private equity firm, and medical device startup. Previously, Tim served as a NASA astronaut. While at NASA, Tim served as the International Space Station Commander for Expedition 47. Prior to that, Tim served in the U.S. Army for 25 years as an Army aviator and served in both Operations Desert Shield and Storm. Tim earned his BS from the U.S. Military Academy, a Master of Strategic Studies from the U.S. Army War College, Master of Science in Aerospace Engineering from Georgia Tech, and an MBA from Columbia Business School and London Business School.

Amy Thompson Broussard

Amy Thompson Broussard serves as Apergy’s Senior Vice President and Chief Human Resources Officer. Amy most recently served as Vice President, Human Resources, a position she held with Dover Energy since 2016. Previously, she served as the Vice President of Human Resources for Dover Artificial Lift. Prior to joining Dover Energy, Amy was with Baker Hughes Inc., for 16 years in various HR leadership roles, including Director of Human Resources for the Western Hemisphere HR Service Centers, the Director of Human Resources for the US Land Region, and Director of Human Resources for the Middle East Region. Amy received a B.S. in Human Resource Management from Louisiana State University and an MBA from the University of Dallas.

Katherine Zamsky

Katherine Zamsky runs Bera, a private investor club focused on direct deals and is a Managing Partner at McCune, a leading Hard Tech seed fund. For the past few years she’s been an investor at a single-family office evaluating real estate deals for the portfolio and developing strategic partnerships. Her long nacreous career in private equity/hedge fund management, multi-sector portfolio allocations, and structuring transactions is noble. At Bank of America, she launched and ran private equity and hedge feeder funds for the \$65B wealth management platform and built platform’s operational infrastructure and tech. Her career started at AIG hedge fund-of-fund team as a quant managing portfolio allocations.

Mark LaCour

Mark has lived at the intersection of Oil and Gas and Technology for over 20 years. Later he started his own market research company and has a well-earned reputation as an industry “insider” and independent 3rd party researcher. This led to him becoming a part of the new media, where he has the top podcasts in the oil and gas industry. He is a sought after public speaker, author, sits on several oil & gas boards and has one of the top oil & gas presences in social media.

Wesley C. Vestal

Wesley Vestal is currently the VP HR – Western Hemisphere for Weatherford, supporting multiple locations in North and South America. Prior to joining Weatherford, Wesley spent three years at KBR as the VP Global Talent Development and nine years at Baker Hughes in a variety of HR and non-HR roles. Wesley spent eight years at the American Productivity & Quality Center (APQC). He authored the books, “Communities of Practice and Associations” and “Knowledge Mapping: The Essentials for Success,” and has written several chapters and articles on Knowledge Management, Leadership Development, and Communities of Practice. Wesley holds a Bachelor of Arts in History and Political Science from Trinity University in San Antonio.

Annabel Green

Annabel Green has been in the industry for over 20 years and much of that time has been spent with well technology gaining experience in global operations and product development. Her passion is for innovation, collaboration and the challenges of successfully implementing new technologies. She is currently Chief Technology Officer at Tendeka where she is responsible for a diverse technology portfolio, including sand control, inflow control and intelligent well management.

Jeremy Sweek

Jeremy Sweek is partner/co-founder at Darcy Partners that specializes in providing scouting and research services to corporate clients in the areas of emerging technologies with clear applications to the Oil and Gas industry. Prior to Darcy, he worked at Occidental Petroleum in the Financial Planning & Analysis (FP&A) group, and he began his career at Deloitte. He is a graduate from the Cox School of Business at Southern Methodist University.

John Barnes

John Barnes is the Founder of Barnes Additive Consulting and Training a consultancy and training provider in additive manufacturing. Previously, he was Vice President of Advanced Manufacturing & Strategy at Arconic Titanium & Engineered Products. Prior to Arconic, he was Director of the High Performance Metal Industries Program for the national science agency for Australia. He also had lengthy positions at AlliedSignal Engines and at Lockheed Martin Skunk Works. In 2014, he was awarded Purdue University’s Outstanding Materials Engineer of the Year and was given an Adjunct professorship at RMIT. In 2015, he became an Adjunct Senior Research Fellow at Monash University. In 2017, Carnegie Mellon University appointed him an Adjunct Professor of Materials Engineering.

Sha-Chelle Manning

Sha-Chelle Manning is the Vice President of Technology and Innovation at Cimarex Energy Co. Previously Manning created and led Pioneer Natural Resource’s Innovation Program for six years. Manning currently is on the Board of IAMCI Institute Board, and Texas A&M’s TEES Advisory Board. Manning served eight years on the Board of Astrotech Corporation, and for three years on Tech Titans Board. Manning was co-founder of Malibu IQ, a Managing Director for a nanotechnology cleantech venture fund, and appointed two terms by Secretary Perry to Texas’ \$480M+Emerging Technology Fund. She founded a consulting firm. Early in her career, Manning was a leader in two successful start-ups; Authentix and Zyvex. Manning holds an MBA from University of Dallas and a BA from Loras College.

Andrea Course

Andrea Course serves as Venture Principal at Schlumberger Technology Investments. She has 12 years of experience in the energy sector. During her career, Andrea has held the positions of Product Design Engineer, Engineering Manager and Senior Product Analyst. She most recently worked as Product Manager for Subsea Electric Systems, where she lead the company’s worldwide Electric initiatives; supporting the innovation and development of new products and services within this field. Andrea currently serves on the board of directors for WireScan board. She holds a degree in Engineering Physics from the University of Central Oklahoma, a Master of Science from the University of Oklahoma in Aerospace Engineering and an executive MBA from the University of Houston.

John Gibson

John Gibson spent the first ten years of his energy career working for Gulf/Chevron. Gibson’s background supports his focus on minimizing environmental impacts associated with energy development and digital innovation. He is a former President and CEO at Landmark Graphics, Paradigm Geophysical, Tervita and Halliburton. Gibson currently serves as a Director of Orocobre Limited, a Director of I-Pulse Inc., on the University of Houston’s Energy Advisory Board, the visiting committee of the Texas Bureau of Economic Geology, advisor to Cottonwood Venture Partners, and the USC Global Energy Network Advisory Board. Gibson earned a Bachelor of Science degree in Geology from Auburn University and a Master of Science in Geology from the University of Houston.

Kenneth Tubman

Kenneth M. (Ken) Tubman is Vice President, Technical Innovation for Marathon Oil. Prior to joining Marathon he was vice president, Subsurface, for ConocoPhillips, and he held various leadership roles with Veritas DGC and ARCO. The common thread through his career has been the development and application of technology. Efforts have included hardware, software, workflows; data acquisition, data processing and interpretation. Most importantly is the integration of the different aspects to produce a useful business result. He earned a PhD in geophysics from the Massachusetts Institute of Technology and a Bachelor of Science in physics from the University of Massachusetts.

Richard Spears

With an engineering degree from Oklahoma State University and graduate work in industrial engineering, Richard Spears has worked for 38 years in the upstream oil and gas industry, starting as a field engineer for Halliburton. Today, Richard is one of the managing directors of Spears & Associates, an oilfield market research firm founded in 1965. The firm has over 350 clients worldwide, including all major oil companies, many national oil companies, all major service companies and over one hundred private and institutional investors. Richard is on the board of directors of several oilfield service companies: Evolution Engineering, a manufacturer of MWD systems; and W-Technology LINK, a manufacturer of directional drilling components.

Charlie Cosad

Charlie joined Entourage after a highly successful 38 year career at Schlumberger. At Schlumberger, he worked in a variety of businesses around the world. Other experience includes a 4-year secondment to BP as drilling manager, IT to develop and implement a strategy for remote and real-time operations, and lead for marketing and brand for the Smith and Cameron acquisitions. He holds a M.Sc. in Aerospace and Mechanical Sciences from Princeton University and a B.Sc. in Mechanical Engineering from Syracuse University.

Gaurav Khandelwal

Gaurav Khandelwal is the founder and CEO of ChaiOne, a Connected Worker software and services company that helps companies in the oil and gas, utilities and logistics industries identify key challenges and solve them with innovative mobile and emerging tech solutions. Gaurav founded ChaiOne in 2008 on a vision to bring disruptive digital solutions to the industrial enterprise. ChaiOne has experienced rapid growth — receiving the Fast 100 and Fast Tech 50 awards from the Houston Business Journal and in the top 500 in the Inc. 500. Gaurav is also a key contributor to Houston's innovation ecosystem and entrepreneurial community. In 2012, he founded START, the city's first co-working space for startups — providing a unique platform for local area entrepreneurs to pitch their ideas to creatives, investors, and technologists.

Jose Silva

Jose is the Lead Business Strategist in Anadarko Petroleum's Advanced Analytics and Emerging Technology (AAET) team responsible for identifying new trends that could affect the way we develop and explore conventional and unconventional reservoirs in the oil & gas industry; specifically in the advanced analytics domain and emerging technologies from any industry. In partnering with companies, his main goal is to bridge the gap between data science and physics models, aiming towards better data-driven decisions.

Tim Roden

Tim graduated with a Master's degree in Electrical Engineering from Georgia Institute of Technology and is a Shell Geophysicist with 25 years' experience in various roles in Seismic Processing, Seismic Acquisition, and technical software development. Tim is currently the Software Manager for Shell's proprietary Subsurface Interpretation Suite - GeoSigns. He is working with his team and other key internal and external stakeholders to actively pursue the digitalization journey to cloud and machine learning based workflows.

Allison Lami Sawyer

Allison Lami Sawyer is a Partner at The League of Worthwhile Ventures, an early stage venture firm for machine learning enabled startups. Sawyer has nine years of machine learning experience as co-founder and CEO of Rebellion Photonics, a preeminent machine learning startup in the oil and gas sector. Sawyer also co-founded StartHereNow, the premiere women-only startup weekend accelerator, and has been named to Forbes and Inc. magazines' "30 under 30" lists. Sawyer holds a BSc in Engineering Physics (U. of Colorado, Boulder), an MSc in Nanotechnology (U. of Leeds), and an MBA (Rice).

Andrew Aubrey

Dr. Andrew Aubrey is CEO and Founder of SeekOps Inc. SeekOps provides sensor sales and natural gas leak detection services to the energy sector using unmanned aerial systems (UAS). Andrew worked in the NASA Jet Propulsion Laboratory (JPL) Instruments Division for nine years. He served as JPL Applied Sciences program manager and lead for sensor and robotics technology development within the JPL Commercial Programs Office. In this role, Andrew worked with oil and gas partner companies to identify and mature NASA robotics and sensor technologies for upstream and downstream oil and gas applications.

John Cavitt

John is the founder of Houston-based Covenant Testing Technologies, one of the largest pure play well flow management companies in the U.S. He has an extensive background in leadership in the petroleum industry. In 2013, John founded Covenant Testing Technologies, which provides innovative and environmentally responsible flowback and well testing services, coupled with a highly skilled team. John's foresight to champion a people-centric effort in oil and gas has proven successful as Covenant has rapidly grown to have one of the largest fleets of specialized assets in the world. Outside of the office, John and his family work to spread awareness and secure a cure for Blue Cone Monochromacy, a rare disease which can cause blindness.

Russ Capper

Russ Capper is the Executive Director of Houston Exponential (HX), Houston's initiative focused on upgrading the city's digital innovation eco-system. Before leading HX Russ was CEO of HighDrive.TV, a digital video network he founded that featured in-person interviews with innovators, entrepreneurs and technologists. HighDrive.TV has captured and produced over 2,000 interviews, with both national and Houston notable innovators and entrepreneurs. Prior to HighDrive.TV, he successfully led multiple technology companies from concept formation to execution, expansion and exit. He is a proven technology executive, responsible for bringing unique and distinct business concepts to both B2B and B2C markets. Russ started his business career with a 12 year stint at IBM.

Amy Henry

Amy Henry is the CEO/Co-Founder of Eunike Ventures and owner of Henry CPA Group LLC, a local CPA firm for small businesses. Eunike Ventures is a Hybrid Accelerator that provides selected start-ups with a venue to connect with their formal alliance of operators, who will potentially field test their new technologies. She has International Upstream Experience (IOC, NOC, and Big 4 Consulting) in North America, Europe, and Southeast Asia portfolios. Amy has a BBA in accounting from CT Bauer Business School, a Juris Doctorate in Law from Albany Law School and a Post Grad Diploma in Financial Strategy from Oxford Said Business School.

David McLellan

Ridgeway Strategic Consulting was established in 2016 to assist innovative OFS technologies needing to transition from pre-commercialization to revenue and earnings growth. Prior to Ridgeway, Dave was Senior Economist and Business Strategist with Packers Plus. In the Upstream sector Dave worked in Calgary for a producer in senior roles that included corporate and asset M&A, investor relations, project economics and intellectual property. His civilian career began in finance where he helped establish and manage the award-winning Compass Portfolio Series for Alberta Treasury Branches. Dave completed a bachelor's degree in economics from Carleton University, a Master of Energy Business from the University of Tulsa and has been a Fellow of the Canadian Securities Institute since 2002.

David Reid

Mr. Reid is the Chief Marketing Officer for NOV, where he develops the global market and strategic engine. David joined Varco International in 1992 and has lived in Scotland, California, and Houston covering roles in service, operations, design, business and product development, leadership, and management. He serves on the NOV and Schlumberger IntelliServ Joint Venture Board and in IADC and SPE leadership positions. David has influenced modern rig and equipment design and the pioneering of drilling automation and oilfield digitization.

John Jameson

John M. Jameson is an independent consultant with over 35 years in the oil and gas industry serving in a variety of roles including strategic planning, mergers and acquisitions, consolidation and integration of multiple businesses and operations management. He spent the first 30 years of his career in senior leadership positions in the upstream and midstream oilfield service sector with Halliburton, Weatherford International, UniversalPegasus and Weir. He is currently serving on the Boards of Liberty Lift Solutions, CAM Integrated Solutions, Highland Fluid Technology, MGB Oilfields Solutions, DMS Technologies and Vertice Oil Tools.

Jason Turowsky

Jason Turowsky is a Partner with Intervale Capital. Intervale Capital is a Houston based private equity fund exclusively focused on energy services investments. In addition to fund oversight responsibilities, Jason is actively involved in sourcing, evaluating, executing and monitoring investments. Before joining Intervale in 2013, Jason spent the preceding 10 years at Falconhead Capital, a New York based middle market private equity fund focused on investments across a wide range of industries. Prior to Falconhead, Jason worked at UBS Investment Bank where he advised on a variety of capital markets and M&A transactions. Jason received his B.A. in Economics, with honors, from the University of Pennsylvania.

Luis Alcoser

Luis Alcoser is Venture Executive for Chevron Technology Ventures where he leads origination of and investment in novel technologies which may have a significant strategic impact to Chevron. Prior to joining Chevron, Luis spent 20 years holding various upstream technical, operational, business development and venture capital positions globally with BP, Shell, Noble Energy, and Schlumberger leading projects in conventional and unconventional plays across the continental U.S., deepwater Gulf of Mexico, Israel, Russia, Malaysia, Equatorial Guinea and Angola. Luis has a B.S. degree in Natural Gas Engineering and an M.E. degree in Petroleum Engineering from Texas A&M University, an MBA and Master of Finance degrees from Tulane University as well as a Law degree (J.D.) from the University of Houston.

Maigen Berg

A native West Texan, Maigen's entrepreneurial spirit led her to Houston 10 years ago as she began work with some of the major sports teams in Houston, including the Rockets and Astros. She also managed business relationships to build the C-Suite Network in New York and California while continuing to live in Houston. As her love for the city grew, she made a commitment to work with companies within the city and now oversees the day to day operations and management of Cannon Ventures as well as strategic partnerships for both The Cannon and Cannon Ventures.

Will Franklin

Will Franklin joined the Lime Rock Partners team in 2003 and was named a Managing Director in 2008. Currently based in Houston, Will has worked in the firm's Houston, Calgary, and Westport, Connecticut locations and has played a leadership role in the firm's investment efforts in the oilfield service and E&P sectors in North America and internationally. Before joining Lime Rock, he had experience in private equity, energy company operations, and energy finance at Riverstone Holdings, Simmons & Company, and Parker & Parsley Petroleum Company. He is a graduate of the University of Texas at Austin (B.A., B.B.A.) and Harvard Business School (M.B.A.). Will currently serves on the board of directors of AccessESP, Airis, OILSERV, and Shelf Drilling.

Samantha Lewis

Samantha Lewis, Rice MBA '17, is the Executive Director and Venture Associate of the GOOSE Society of Texas – a super angel investment group focused on early stage technology ventures. During her time at Rice Business, she helped launch two tech start-ups, worked with a start-up private equity firm, and interned at Station Houston. Before attending Rice Business school, she successfully started two ventures, one of which she recently sold. She received the Texas Business Hall of Fame Scholarship, the National Association of Women MBA's Scholarship, and the Jones Citizen Award. Her peers elected her as Alumni Class Ambassador for the full-time Class of 2017. Samantha received her undergraduate degree in political science and history with a concentration in European Union politics from Texas A&M University.

Ben Abadi

Ben has 14 years of energy, industrial, and technology investment and advisory experience. Prior to joining Energy Innovation Capital, he worked in private equity and investment banking.

Hossam Elbadawy

Hossam Elbadawy is the Managing Director of SCF Ventures and Technology Partner at SCF Partners. Prior to joining SCF, Hossam founded O&G Technologies, a Houston based technology incubator focused on the oil and gas industry. He has over 24 years' experience in the energy sector, technology development, and commercialization. Hossam has served as Senior Operating Partner at Lime Rock Partners and as CEO of Tercel Oilfield Products. Prior to these roles, Hossam spent nearly 17 years at Schlumberger where he served as Vice President of Manufacturing as well as managed the company's leading-edge Rosharon Technology Center and the Houston Product Center. Hossam received an MBA and Masters in Engineering Management from Northwestern University and a Bachelor's degree in Mechanical Engineering from Ain Shams University.

Derek Rice

Derek Rice is a Partner at Rice Investment Group (RIG), a \$200mm multi-strategy fund investing in all verticals of the oil and gas sector. Derek is lead on generating investment ideas through RIG's internally developed analytics platform. Prior to his role at Rice Investment Group, Derek was the Former EVP Exploration of Rice Energy. Rice Energy was a startup company that grew to become one of the largest producers of natural gas in the United States, and was ultimately sold in 2017 for \$8.2 billion. Derek holds a BS in Geology from Tufts University, and a MS in Geology from the University of Houston.

Espen Strøm

Espen Strøm has worked for EV Private Equity (former Energy Ventures) for more than 10 years. In his tenure with the firm he has great experience from investing into early stage technology companies, developing and commercializing new products, and building strong teams. Espen has served on the board for several oil and gas service companies, and is currently a board director for Hicor Technologies Inc and Ashmin Holding LLC.

Jim Sledzik

Jim Sledzik is Managing Director for Saudi Aramco Energy Ventures-U.S.LLC (SAEV-US), heading its North America practice. He has 30 years of experience in the oil and gas industry, including 10 years in venture capital and private equity investing. He is responsible for overseeing existing investments and growing SAEV's investment portfolio. His career spans a wide range of marketing and technology roles including Global Marketing & New Technology Director and Vice President of Multi Client Services for geophysical services company WesternGeco and Global Account Director for oil and gas technology provider Schlumberger. Jim earned a master's degree in business administration from the University of Pittsburgh and a bachelor's of science in geosciences from Pennsylvania State University.

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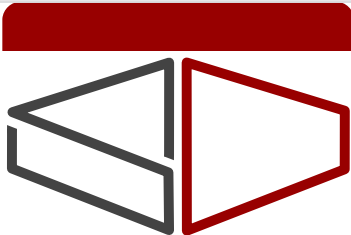
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Centraflow is an oilfield supplier of downhole products, based in Stavanger (Norway) and Aberdeen (UK). The team behind Centraflow is highly experienced and collectively they have over 200 years of relevant industry experience. Centraflow has developed a flow diverter technology that improves cement displacement for casing / liner cementing in deviated and horizontal wells. The same, flow diverter, concept can also be applied for better hole cleaning during drilling operations. Centraflow's first product, CE-BOND for cementing applications, addresses a real need in the industry to improve well integrity as a result of better cement bond quality. CE-BOND has interest from numerous major operators including Repsol, Saudi Aramco, ADNOC and Petronas who all want to trial the technology. CE-BOND has gone through an extensive testing program, following API17N, and is now ready for a trial well in Q2 2019.



CoreAll is a Norwegian technology development company, working on the next generation core drilling solutions. Although core drilling has been around for many decades, some challenges still remain. These include a lack of real-time information about the subsurface; time lag between drilling of the geological formations and downhole logging of their properties; and time-consuming round trips to change between core drilling and conventional drilling equipment. CoreAll's patented technology addresses these shortcomings. The Intelligent Coring System (ICS) is a modular, fully instrumented core drilling assembly, complete with real time data transmission to surface. It features Logging-While-Coring sensors such as gamma ray and resistivity, downhole diagnostics, and core jam mitigation features. In an ongoing development, the ICS will soon provide the ability to switch between core drilling mode and short-distance full bore drilling – giving operators a significant opportunity to save time and cost in exploration drilling.



Data Gumbo is a Houston-based start-up that has innovated around a combination of IoT, data management, blockchain and smart contracts. Data Gumbo offers Blockchain-as-a-Service that aggregates key performance data, uses a configurable consensus mechanism to gain agreement as to data validity and executes secure smart contracts to automate execution of contractual performance terms, all leading to automated payments. Data Gumbo enables industry digitization efforts through a blockchain trust protocol, KPI dashboards and contract automation making a real impact on cost and efficiency. The DG-BaaS is unique in its design to meet Oil and Gas industrial-sized B2B data transparency and security needs. Our experienced team has a second home in Stavanger, Norway.



DCiii saves companies an average of 20% of their chemical cost by optimizing and monitoring injection rates. We prevent large expenditures due to over or under-injection of chemicals by providing real-time control, monitoring, and data / analytics, saving customers hundreds of thousands of dollars in avoided maintenance. DCiii has created a suite of tools that automate, digitize, and optimize the chemical injection process. DCiii's value proposition is focused on owners & chemical companies' desire to have greater transparency, monitoring, and control of their chemical program. Our systems entail simple retrofit patent-pending hardware, smart monitoring tools, proprietary intelligent controllers, and software that ties-in to the producer's SCADA system. There are no 3rd parties handling data, charging for access, or recurring fees for limited services.



Geosite is a data platform for Oil and Gas companies that allows customers to bring together their data for a clearer picture of the world. Over 80% of information has a spatial component to it, rarely is this being leveraged to add to the bottom line for Oil and Gas companies. With the proliferation of satellites and distributed sensors (IOT), we are at a juncture of immense opportunity for Oil and Gas exploration to reach an operational efficiency that was impossible only a few years ago. Geosite allows for cutting edge logistics planning and operational tracking to increase safety and productivity. Geosite is a common operating picture – allowing organizations to better plan and execute upstream exploration – bringing data together for more clarity and faster, more accurate decisions.



Oplii is an operation management solution with specific strengths in asset Integrity, preventative maintenance and work order management, regulatory compliance and HSE and we help organizations reduce capital spending and improve operational efficiency by connecting the office and the field through our cloud and mobile platform. With one of the most innovative and easy to use digital inspection solutions available, we help our clients save millions of dollars annually by streamlining internal processes, reducing touchpoints and eliminating paperwork in the field. Recognized as one of the top 25 Canadian Energy Innovators by Alberta Oil Magazine in 2016 and an alumni of Zone start-ups Calgary (Accelerator backed by GE & Ryerson Futures), Oplii is proud to work with many of the most successful upstream companies in Canada.



Unconventional Subsurface Integration USI provides an innovative software solution that combines CMG's pre-run reservoir simulation results and AWS cloud computing to optimize field development planning. Our latest data analytics platform provides clients the most advanced yet simplest shale assessment workflow along with the first commercialized physics-based reserves forecasting tool for unconventional reservoirs. We have named this industry-leading application the Science-Based Forecaster (SBF). Our mission is to assist oil and gas operators in targeting ideal drilling locations with optimal D&C designs to maximize asset values. SBF drastically reduces history matching process from weeks to minutes and allows engineers to focus on what truly matters most.



Pandata Tech helps oil & gas companies improve the quality of the data that feeds their Artificial intelligence and digital twins for maintenance, optimization, and automation. Everyone is investing heavily in artificial intelligence but the data they are using can be dirty or corrupted making results unreliable. Our solution uses AI to make sure the data is validated to reduce false positives and false negatives in maintenance, optimization, and automation algorithms. Our solution reduces false positives, false negatives, and time spent cleaning and validating data. Pandata's data quality checks reduce the amount of time it takes to clean data by at least 50% (up to 90%). This translates into data driven solutions that are cost saving, increase productivity, and increase team collaboration. It costs oil and gas companies 75\$/year to validate signals. O&G operations can have 40,000+ signals per field or rig.



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