

## SPE GCS Data Science Convention

### Speaker Bio's



Greg Leveille

Greg Leveille is Chief Technology Officer for ConocoPhillips. During his career, he has held leadership positions in technology, exploration, operations, portfolio management, asset management, project management, and commercial organizations. Leveille is a member of the Executive Committee of the Unconventional Resources Technology Conference (URTeC), serves on the Dean's Advisory Board for the University of Houston's College of Natural Sciences and Mathematics, and has led several United Way fund raising campaigns.



Michael Rowley

Michael Rowley is Director of Technology and Innovation for BP's Upstream Information Technology and Services (IT&S) organization. In this role, he drives business value through the exploitation of technology innovation and trends – such as big data and analytics, artificial intelligence/machine learning and high-performance computing. Michael joined BP in 2007 as CIO of the North America and international natural gas liquids (NGL) businesses. In 2008, he accepted a role as Vice President, Transformation and Vendor Management for BP's Upstream IT&S organization. He later moved back into a CIO role, first for the BP North America Gas organization, then for BP's Gulf of Mexico region. Prior to joining BP, Michael was a Partner with Accenture where he served a wide array of energy and utility industry clients over a period of twenty years. He holds a Bachelor of Business Administration in Management Information Services from the University of Texas.



Kim Pham

Kim Pham, an Associate Partner in IBM's Global Business Services practice and the Global C&P Blockchain Leader, brings with her over 20 years of finance, accounting, and information technology experience in varying roles including driving strategic business solutions by leveraging innovation and enterprise transformation. She is responsible for IBM's global thought leadership, strategy, solutioning and delivery capabilities related to Blockchain within the Oil and Gas industry. Kim has led finance transformation engagements and provided professional services to major Oil & Gas clients.



Dr. Richard Baraniuk

Richard G. Baraniuk is the Victor E. Cameron Professor of Electrical and Computer Engineering at Rice University. His research interests lie in new theory, algorithms, and hardware for sensing, signal processing, and machine learning. He is a Fellow of the American Academy of Arts and Sciences, US National Academy of Inventors, American Association for the Advancement of Science, and IEEE. He has received the US DOD Vannevar Bush Faculty Fellow Award (National Security Science and Engineering Faculty Fellow), the IEEE Signal Processing Society Technical Achievement Award, and the IEEE James H. Mulligan, Jr. Education Medal.



Pallav Sharma

Pallav Sarma is Chief Scientist at Tachyus leading the development of the modeling and optimization technologies underlying the Tachyus platform. His expertise is in the general area of closed-loop reservoir management, with multiple patents and numerous papers on the subject. He received many awards including the Dantzig Dissertation award from INFORMS, Ramey and Miller Fellowships and Stanford, and Chevron's Excellence in Reservoir Management award. Pallav holds a Ph.D. in Petroleum Engineering and a Ph.D. Minor in Operations Research from Stanford University, and a B.Tech from Indian School of Mines.

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19th April 2018, 07:30 AM- 06:00 PM  
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Prashant Mehrotra

Prashant Mehrotra is a Senior Manager with Accenture Strategy - Energy, based in Houston. He started his career as a reservoir engineer at Shell, and transitioned to strategy consulting, where he has focused on North American E&P industry across topics such as portfolio planning and capital allocation, supply/ demand modeling, technology and innovation management, digital transformation and advanced analytics. Mehrotra has worked in the oil and gas industry across technical and consulting roles in exploration and production and oilfield services. He holds a Bachelor of Technology degree from Indian School of Mines and an MBA from Harvard Business School.



Dr. Liz Percak-Dennett

As the Technology Director at Biota Technology, Dr. Liz Percak-Dennett is accountable for the delivery of all technical projects to unconventional and offshore customers. In this role, she delivers customer value through a broad skill set in geology, microbiology, geochemistry, and oilfield operations. Prior to Biota, Liz worked as a geologist for Hess Corporation in the Bakken and offshore Guyana teams. Liz holds a BS in geology from the University of Alaska Anchorage and an MS and PhD in geoscience from the University of Wisconsin-Madison where she researched geomicrobiology in subsurface environments on modern and ancient Earth as part of the NASA Astrobiology Institute.



Pedro Esteves Aranha

Pedro Esteves Aranha holds BS and MS degrees, both in chemistry, from the Federal University of Sao Carlos. Mr. Aranha joined Petrobras in 2007 as a Petroleum Chemistry. Since 2008, Aranha has been developing software for cementing operations as well as executing computational analyses for well design projects in Research Center of Petrobras (CENPES). In 2015 he was promoted to Technical Advisor and currently coordinated the development of Petrobras software for Well Design and Real Time Operations.



Patrick Rutty

Patrick Rutty is Drillinginfo's Senior Product Manager - Transform, responsible for ongoing development of the company's GG&E interpretation and analytics software. Prior to joining DI he served as VP- Exploration/New Ventures at Fidelity E&P, exploring numerous Rocky Mountain oil plays. Other roles have included Geophysical Advisor at Anschutz Exploration, Exploration Manager at Hungarian Horizon Energy, and earlier stints with Aspect Energy, Saudi Aramco, Sonat Exploration, and Amoco. Patrick holds a B.A. in Earth Sciences from Dartmouth College and an M.S. in Exploration and Development Geophysics from Stanford University.



Barry Zhang

Barry Zhang is Co-Founder and Chief Executive Officer of Quantico Energy Solutions, an artificial intelligence company focused on drilling and geoscience solutions with backing from Shell, Statoil and Nabors Industries. Barry has served as a subject matter expert on AI for several news publications such as the Wall Street Journal and Bloomberg. Barry graduated magna cum laude from Yale University with a Bachelor of Arts in Economics. In pursuing his undergraduate degree, he studied European monetary policy at the University of Oxford. He received his MBA from Northwestern University's Kellogg School of Management.

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Andy Flowers

Andy Flowers became Director of Advanced Analytics at Marathon Oil in 2016 – creating a new group to leverage data science techniques to solve engineering problems in unconventional reservoirs. Immediately prior to joining Marathon he was regional manager of a drilling software company where he led the successful implementation of a data driven analytics solution for a global super-major. Andy graduated in Mechanical Engineering from the University of Sussex, and gained a MS in Computer Systems Engineering from the University of Edinburgh. He founded the Advanced Analytics Alliance – a forum for sharing best practices with Oil & Gas operating companies and is member of SPE.

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Pradeep Ashok

Pradeep Ashok is a PhD in Mechanical Engineering and a Senior Research Scientist in the Rig Automation and Performance Improvement in Drilling (RAPID) Group at The University of Texas (UT) at Austin. Previously he was the Program Manager and Chief Scientist of the Robotics Research Group at U.T., where he managed automation projects funded by ONR, NASA, DARPA, John Deere, Union Pacific and Intuitive Surgical. He has authored many publications on sensor data fusion, decision theory, automation and controls. He manages the drilling data analytics student program at UT.

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Pat Kinder

Pat Kinder began his oil & gas career in downstream operations as a process engineer working in petrochemical refineries in Corpus Christi, Texas, where he spent several years troubleshooting and optimizing performance across a diverse range of refinery operating units. In 1999, Pat transitioned into the telecom (mobile phone manufacturing) industry, where he spent more than a decade managing supply chain and customer logistics projects and gained ERP experience. In 2010, Pat returned to the oil & gas industry on the upstream side, joining Pioneer Natural Resources. At Pioneer, Pat has held positions in project management, business process improvement, and data and analytics management, and currently serves as Senior Director of Corporate Data Management, supervising teams focused on data, analytics, GIS, and business process improvement. Pat earned a BS in Chemical Engineering from the University of Texas at Austin, and an MBA in Strategic Management from the University of North Texas. He recently completed a 3-year term as an Advisory Board Member of the Terry Foundation, and is a member of SPE.

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