WEATHERFORD ENTERPRISE SOFTWARE CONFERENCE | 2018

Weatherford®

WELCOME

Thank you for registering for WESC 2018. Enclosed in this document is everything you need during WESC 2018.

Should you need assistance at any time during WESC, please ask any Weatherford staffer or contact Carrie Burns at (805) 550-3505.

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GENERAL INFORMATION

REGISTRATION DESK

The registration desk is open on the 4th floor foyer outside the Azalea Ballroom at the following times:

Monday, Nov. 5 – 7 am to 5 pm

Tuesday, Nov. 6 – 7 am to 5 pm

Wednesday, Nov. 7 – 8 am to noon

COMPLIMENTARY INTERNET ACCESS

Access your complimentary WiFi in the lobby with these credentials:

User Name:
Westin Houston Meeting

Password:
WESC2018

CONFERENCE MEALS AND SOCIALS

Monday

Breakfast—Served in the foyer outside the Azalea Ballroom from 8 to 10 am

Lunch—Served in the foyer outside the Azalea Ballroom from noon to 1 pm

Snacks—Served at 10:30 am and 3 pm

Casino night—Held in the Azalea Ballroom from 6 to 9 pm and includes drinks, food, music, and games

Tuesday

Breakfast—Served in the foyer outside the Azalea Ballroom from 7 to 8 am

Lunch—Served in the foyer outside the Azalea Ballroom from noon to 1:30 pm

Snacks—Served at 10:30 am and 3 pm

Happy hour—Held outside the Azalea Ballroom from 5 to 7 pm and includes drinks and appetizers

SURVEY

You can help improve the WESC experience in only 8 questions. You can complete a hardcopy inside this booklet, scan the QR code below, or visit: https://www.surveymonkey.com/r/wesc2018survey.

THANK YOU TO OUR SPONSORS

Each year, Weatherford produces WESC at no cost to our users. Please join us in thanking the following companies for their support in creating this year's event:

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Casino Night
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IBM

GOLD SPONSORS

Monday's lunch
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LTI
Let's Solve

Tuesday's lunch
is brought to you by

Google Cloud

SILVER SPONSORS

Monday's break
is brought to you by

CSE ICON

Tuesday's morning break
is brought to you by

CSE ICON

Tuesday's afternoon break
is brought to you by

TECHNEAUX TECHNOLOGY SERVICES

AGENDA

MONDAY, NOVEMBER 5

8 to 10 AM	Trainee Breakfast
9 AM to NOON	Dispatch Training CygNet Training ForeSite Training *Willow, Cypress, and Pecan Rooms*
Noon to 1 PM	Lunch
1 to 5:40 PM	Breakout Sessions
6 to 9 PM	Casino Night *Azalea Ballroom*

TUESDAY, NOVEMBER 6

7 AM – 8 AM	Breakfast
8 to 10 AM	Keynote Session *Azalea Ballroom* **Leading Production 4.0** – Mark McCollum, Chief Executive Officer, Weatherford **Production Performance** – Kyle Chapman, President of Production, Weatherford **Cloud Security** – Andy Milo, Director for Google Cloud Customer Engineering, Google **Demystifying Analytics** – Jayant Kalagnanam, Ph.D., Director for Enabling IoT and AI Technologies and Chief Scientist for Industrial Products, IBM **Industry and IoT** – Sky Mathews, Distinguished Engineer and CTO for Internet of Things Division, IBM **Product Update and Preview** – Manoj Nimbalkar, Global Product Line Director, Production Automation and Software
10:15 am to 4:20 PM	Breakout Sessions
Noon to 1:30 PM	Lunch
4:30 to 5 PM	Session Closing *Azalea Ballroom*
5 to 7 PM	Happy Hour

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BREAKOUT SESSION SCHEDULE

MONDAY, NOVEMBER 5

	WILLOW	CYPRESS	PECAN	CEDAR	PINE
1 to 1:50 pm	CygNet IoT Enablement and MQTT Support	New Capabilities in Measurement 9.0 and 9.1	Create a Bridge to the Web	Chevron's Well Optimization Journey — Past & Future	Production Performance for the Life of Your Unconventional Well
1:50 to 2 pm	Break				
2 to 2:50 pm	New CygNet Glimpse Web-Based Training	CygNet SCADA 9.0 and 9.1 Releases and Roadmap	Resolve Performance Issues	Optimizing Well Performance with RRL Automation	
2:50 to 3 pm	Break				
3 to 3:50 pm	Introduction to New OPC and DNP3 Protocol Engines	Leveraging Cloud Services to Get More From Your CygNet Data	New Customer System Prep	Improving Production using Gas-Lift Automation	Implement Your Optimization Platform with Greater Speed and Reliability
3:50 to 4 pm	Break				
4 to 4:50 pm	Do you queue? I Queue!	Leverage Peer Experience with Dispatch	Tuning Your Polling Engine For Optimal Performance and Resource Utilization	Mitigating RRL Failures with Physics and Data Science	Continuously Optimize ESP, Plunger, and Gas-Lifted Systems
4:50 to 5 pm	Break				
5 to 5:50 pm	CygNet IoT: Collect, Manage, and Distribute at the Edge	Enhancements in Canvas	CygNet for Well Testing	Manage Routine Well Work From Opportunity to Execution	

BREAKOUT SESSION SCHEDULE *(CONTINUED)*

TUESDAY, NOVEMBER 6

	WILLOW	CYPRESS	PECAN	CEDAR	PINE
10:15 to 11:05 pm	Enhancements in Canvas	CygNet SCADA 9.0 and 9.1 Releases and Roadmap	New Customer System Prep	Chevron's Well Optimization Journey — Past & Future	Production Performance for the Life of Your Unconventional Well
11:05 to 11:15 am	Break				
11:15 am to 12:05 pm	CygNet IoT Enablement and MQTT Support	New Capabilities in Measurement 9.0 and 9.1	Create a Bridge to the Web	Mitigating RRL Failures with Physics and Data Science	Continuously Optimize ESP, Plunger, and Gas-Lifted Systems
12:05 to 1:30 pm	Lunch / Networking				
1:30 to 2:20 pm	Introduction to new OPC and DNP3 Protocol Engines	Leveraging Cloud Services to Get More From Your CygNet Data	CygNet for Well Testing	Improving Production using Gas-Lift Automation	Implement Your Optimization Platform with Greater Speed and Reliability
2:20 to 2:30 pm	Break				
2:30 to 3:20 pm	New CygNet Glimpse Web-Based Training	Do You Queue? I Queue!	Tuning Your Polling Engine for Optimal Performance and Resource Utilization	Manage Routine Well Work from Opportunity to Execution	CygNet Pipeline Customer Roundtable
3:20 to 3:30 pm	Break				
3:30 to 4:20 pm	CygNet IoT: Collect, Manage, and Distribute at the Edge	Leverage Peer Experience with Dispatch	Resolve Performance Issues	Optimizing Well Performance with RRL Automation	

CONFERENCE MAP

MONDAY

Training Sessions
Held from 9 am to noon in the Willow, Cypress, and Pecan rooms

Breakout Sessions
Held from 1 to 5:40 pm in the Willow, Cypress, Pecan, Cedar, and Pine Rooms

TUESDAY

Keynote Session
Held from 8 to 10 am in the Azalea Ballroom

Breakout Sessions
Held from 10:15 am to 4:20 pm in the Willow, Cypress, Pecan, Cedar, and Pine Rooms

COURSE DESCRIPTIONS

PRECONFERENCE TRAINING SESSIONS

Dispatch Training	Learn how to configure the Dispatch system, create and update forms, create routes, and scheduling. Please bring your laptop, and note that attendance is limited to the first 30 registrants.	Jacob Allred
CygNet Training	Join us for an intro to Canvas where we'll introduce the screen-building process, including a hands-on session of building and configuring your own customized screens. Please bring your laptop, and note that attendance is limited to the first 30 registrants.	Luke Williams, Walter Goodwater, Blake Miller
ForeSite Training	Join us as we demonstrate how the ForeSite platform can help to design an artificial lift system, perform real-time surveillance, optimize production, and manage assets by exception. Please bring your laptop, and note that attendance is limited to the first 30 registrants.	Vineet Chawla and Zhuo Gao

CYGNET BREAKOUT SESSIONS

New CygNet Glimpse Web-Based Training	Learn how to use new CygNet modules with Glimpse, our new and free web-based training. We'll show you how to access Glimpse training, discuss future plans for CygNet, and listen to suggestions for the platform from those attending.	Jacob Allred
CygNet for Well Testing	Set for the next release, we will review the new well-testing module and how it addresses challenges that are unique to this discipline.	Blake Miller
New Capabilities in Measurement 9.0 and 9.1	CygNet Measurement has grown considerably since last year. We'll go over new features, review what to expect in the coming release, and discuss our long-term focus.	Jacob Allred
Enhancements in Canvas	CygNet Canvas includes many new features for this release. We'll review new and enhanced controls, such as the tree map, heat map, Studio-to-Canvas conversion options, and how to use Canvas Objects to speed screen development and reduce maintenance costs.	Walter Goodwater

COURSE DESCRIPTIONS *(CONTINUED)*

CYGNET BREAKOUT SESSIONS *(CONTINUED)*

Leverage Peer Experience with Dispatch	Apache completed an enterprise-wide roll-out of Dispatch. We'll review the product, Apache's approach, and lessons learned.	Jacob Allred
Create a Bridge to the Web	REST API enables custom web development. We'll cover features, sample applications, and discuss how to create your own CygNet web apps.	Walter Goodwater
Resolve Performance Issues	Bring your system cache to this breakout. Resolving performance issues can be a game of inches, and we'll focus on an often overlooked troubleshooting area: how we cache CygNet platform data.	Blake Miller
Leveraging Cloud Services to Get More From Your CygNet Data	Use CygNet MQTT to leverage the power of native Cloud services, including analytics and machine learning among others. This workshop will show examples integrating incoming CygNet data with the Google Cloud platform.	Kevin Rowley
CygNet SCADA 9.0 and 9.1 Releases and Roadmap	We'll give an overview of the new features and enhancements made to the latest versions of CygNet, including a live demo.	Luke Williams
Introduction to new OPC and DNP3 Protocol Engines	We'll demonstrate our two latest CygNet EIEs live--the DNP3 EIE as part of the 9.0 release, and the OPC EIE as part of the 9.1 release--and walk you through the features and capabilities of each.	Luke Williams
CygNet Pipeline Customer Roundtable	Join other CygNet Pipeline SCADA customers in an informal discussion covering topics that include HMI/UI paradigms, standardization, PHMSA audits, API-1165, and upgrades. This is your opportunity to collaborate with other pipeline customers to improve the CygNet pipeline offering and share best practices.	Bimal Venkatesh

COURSE DESCRIPTIONS *(CONTINUED)*

CYGNET BREAKOUT SESSIONS *(CONTINUED)*

Tuning Your Polling Engine for Optimal Performance and Resource Utilization	We'll discuss the inner workings of the CygNet platform and show you how to streamline your polling--the heart of any SCADA system--to improve performance.	Eric Kramer
New CygNet Administrator Best Practices	The support team will walk you through overcoming common challenges and preparing for common failures.	Adam Johnson

IOT BREAKOUT SESSIONS

CygNet IoT Enablement and MQTT Support	Join as we review how the CygNet platform connects to the Internet of Things, bridges the gap between the Cloud and SCADA.	Ryan Ackerman
Do you queue? I Queue!	Learn about the MQTT protocol and edge computing capabilities that include several oil-and-gas-specific application demonstrations. We'' also introduce and demonstrate flow-based programming and the Node-RED platform.	Michael Baget, Continental Resources
CygNet IoT: Collect, Manage, and Distribute at the Edge	Collect, manage, and distribute IoT data at the Edge. We'll review what edge computing means for the CygNet platform and discuss how the platform will provide MQTT publishing capacities at the Edge or in a data center.	Ryan Ackerman
Optimizing Well Performance with RRL Automation	This session will cover the basics of RRL automation and how Weatherford automation technologies have the unique ability to reduce downtime and enhance production in rod-lifted wells.	Prabhu Ranganathan and Jerris George
Improving Production using Gas-Lift Automation	This session will cover the basics of gas-lift automation and how Weatherford automation technologies have the unique ability to reduce downtime and enhance production in gas-lifted wells.	Junior Henry

COURSE DESCRIPTIONS *(CONTINUED)*

FORESITE BREAKOUT SESSIONS

Mitigate Failures with Physics and Data Science	We are often asked to do more with less. Learn how ForeSite can help you achieve the results and efficiencies you need by gaining insight into upcoming failures and taking action to reduce costs and maximize production.	IBM Speaker TBA and Colby Burns, Weatherford
Production Performance for the Life of Your Unconventional Well	Unconventional optimization presents unique challenges that include continually changing reservoir characteristics and the constant need to update reservoir models. We'll discuss the auto IPR tuning function, which enables daily automated well-model tuning based upon daily average production data.	Rakesh Rai, Weatherford
Manage Routine Well Work from Opportunity to Execution	The ForeSite Field Services Manager controls all field services from scheduling workovers to managing routine field-service activities to optimizing workflows. We'll discuss how to use economic analyses to determine the financial viability of any field-service work and how to enter and track wellbore-component history to reduce future failures.	Phong Le
Implement Your Optimization Platform with Greater Speed and Reliability	Cross-functional teams, proven methodologies, and proven tools can implement your optimization solution faster and accelerate time to value delivery. Engineering and operational experts customize services--including software deployment, enterprise integration, well modelling and optimization, and training and support services--on public and private cloud platforms with a minimal infrastructure investment.	Luis Castillo and Raja Jagannathan
Continuously Optimize ESP, Plunger, and Gas-Lifted Systems	Optimizing artificial-lift systems increase production, enhances operation efficiency, minimizes failure frequency, and reduces the cost of production per barrel. Gas-Lift—We'll discuss how to determine optimal operating parameters including maintaining gas-lift valve performance, simulating the unloading process, identifying the optimal injection depth, and resolving slugging and liquid loading issues.	
Chevron's Well Optimization Journey – Past & Future	Join us as we discuss how Chevron San Joaquin Valley (SJV) have improved operations and optimized wells through current technologies and processes. We'll close with thoughts on how Chevron believes emerging technologies like IoT and Cloud will deliver the next level of operational improvement.	Robby Price, Jr. and Jonathan Polly

KEYNOTE SPEAKERS

Mark McCollum

Mr. Mark McCollum is President and Chief Executive Officer for Weatherford International plc. Weatherford is one of the largest multinational oilfield service companies providing innovative solutions, technology, and services to the oil and gas industry. The company operates in more than 90 countries and has a network of approximately 740 locations, including manufacturing, service, research and development, and training facilities and employs approximately 28,600 people.

Prior to joining Weatherford, Mr. McCollum served as Executive Vice President and Chief Financial Officer for Halliburton. Mr. McCollum also served as Senior Vice President and Chief Accounting Officer for Halliburton from 2003 to 2007.

Prior to joining Halliburton, Mr. McCollum served in various senior executive positions for Tenneco from 1995 through 2003. Before joining Tenneco, Mr. McCollum spent 14 years with Arthur Andersen LLP and served as an Audit and Business Advisory Partner of the firm's worldwide partnership from 1991 through 1994. He earned a BBA in 1980 from Baylor University.

Mr. McCollum serves on the Board of Directors for Westlake Chemical Corporation. He is a member of the Board of Regents of Baylor University, and he also serves on the Board of Trustees for Baylor College of Medicine and the Advisory Board of Every Village.

Kyle Chapman

Mr. Chapman is President of the Production Segment for Weatherford, comprising artificial lift, production software, drilling fluids, testing and flow measurement, and pressure pumping. He moved into his current position in September 2017 and has global responsibility over the company's Production business. He also is responsible for Quality, Health, Safety, Security and Environmental for the company.

He began his tenure with Weatherford in 1999 as a Design Engineer in the U.S. and then moved to the Latin American region in 2001. Since then, he has held various positions within the company becoming well versed in our technological offerings and global footprint. He has served as President of Product Line Marketing, and President of the Completion, Production, and Well Construction business units. He has also served as Vice President of the Western Hemisphere and Vice President of Latin America. He has lived in Brazil, Venezuela, Argentina, Trinidad, and Mexico and is fluent in Spanish and Portuguese.

Mr. Chapman holds a Bachelor of Science in Mechanical Engineering from Texas Tech University where he is a member of the university's Petroleum Engineering Industrial Advisory Board. He has also served as a member of the Board of Directors of ARPEL (Regional Association of Oil, Gas, and Biofuels Sector Companies in Latin America and the Caribbean) and the Advisory Board for the Petroleum Equipment Suppliers Association (PESA).

Andy Milo

Andrew Milo is the Google Cloud Director of Customer Engineering covering US Central and Americas Higher Education. His team is responsible for helping customers achieve excellent business outcomes by leveraging the best of Google in the cloud. He is a business technologist with over 25 years of experience in enterprise software, application development and operational management.

Over his 9 years at Google he's continually helped organizations embrace fundamental digital transformation, replacing slow-moving legacy technology with industry leading solutions that are smart, secure, agile and open. He's worked on game-changing cloud and hybrid systems for some of the world's best known brands, spanning solutions from Google Cloud Platform, Gsuite, Maps, Chrome and Search.

Prior to Google, Andy was the Principal Consultant at Open Text's Digital Media Group, where he helped top tier firms organize, find and efficiently utilize mountains of digital content – everything from simple text documents to scrubbable frame accurate browse proxies for 4K digital film. A notable achievement was participating in the design of Fox's Enterprise Media Framework, a system that houses the highest quality digital gold masters for billion dollar blockbuster films like Revenge of the Sith, Avatar and The Life of Pi. Earlier career distinctions include porting Internet Explorer to Solaris, pulling a credit report over the Internet for the very first time, and even being a Webmaster - way back when the web was small enough for one person to do it all.

Andy holds a degree in Economics from Brandeis University, with a focus in Computer Science.

KEYNOTE SPEAKERS *(CONTINUED)*

Jayant Kalagnanam
Jayant is a, IBM Distinguished Research Staff Member at the T.J. Watson Research Center (Jan 1996- present) and a Chief Scientist for Industrial Products. He received his a Ph.D. from Carnegie-Mellon University. Jayant's career of over 22 years consists of research and development dedicated to solving hard, cutting edge problems from the real world.

He embodies a passion for solving industry problems, and his career history is a remarkable mix of several application domains in which he has played a pioneering role in bringing mathematical methods and artificial intelligence to model and provide practical and usable solutions. As part of IBM Research, he has tackled only the toughest problems brought to him by IBM's WW consulting organization. Starting with such challenges he has designed and led the development of Industry Solutions that have found widespread adoption. Jayant is well published at top academic conference and journals.

Sky Matthews
Sky is an IBM Distinguished Engineer and the CTO for IBM's Watson Internet of Things division. He is responsible for technical strategy and directions related to the Internet of Things within IBM. Sky has lengthy experience working with clients in complex and embedded systems development across many industries, including telecom equipment, aerospace/defense, automotive, and electronics. His current areas of focus include cognitive analytics for IoT, blockchain security and privacy, digital twin, and edge and fog computing architectures. Prior to his current role, he was the CTO for the Systems Engineering and Embedded Software portfolio in IBM Rational. Sky is based in Research Triangle Park, North Carolina.

Manoj Nimbalkar
Manoj Nimbalkar, Global Product Line Director for Production Automation and Software, joined Weatherford in April 2013. Prior to Weatherford, he was the Global Manager for Strategy & Marketing covering the Upstream Software Services Industry at Schlumberger. Manoj also worked as a Management Consultant for Diamond Management Consultants (acquired by PriceWaterhouse Coopers). He has a varied experience in software development with Microsoft, Adobe Systems, & Infosys Technologies. Mr. Nimbalkar received his Bachelor of Chemical Engineering from the University of Mumbai in India. He also holds an M.B.A in Marketing and Strategy from the Kelley School of Business at Indiana University.

BREAKOUT SESSION SPEAKERS

Ryan Ackerman
Ryan has been working with the CygNet® development team since 2011. He currently oversees core CygNet SCADA development.

Jacob Allred
Jacob is a product line manager at Weatherford where he specializes in overseeing the CygNet® measurement software product. Jacob has been with the company since 2008 and during that time has performed many roles within the organization including customer support, quality assurance, support team manager, and product line management.

Michael Baget
Michael Baggett is a senior SCADA analyst with Continental Resources in Oklahoma City. He holds a bachelor's degree in Finance from Oklahoma Christian University and a master's degree in Management Information Systems from Oklahoma State University. He has 14 years of systems administration, networking and software development experience, of which 9 have been in SCADA for the oil and gas industry. He has a passion for process automation and improvement, which drives his interest in emerging technologies such as MQTT and Big Data. He has played integral roles in developing the Big Data integration processes with SCADA at Chesapeake Energy and Continental Resources and is currently leading the IIoT efforts at Continental. In his spare time Michael is a marathon runner and attempts to keep up with the energy levels of his 3-year-old and 1-year-old daughters.

Colby Burns
Colby Burns is a product line champion for the Weatherford ForeSite® production optimization platform. Throughout his 8 years with Weatherford, Colby has held various roles that focus on helping customers succeed with production optimization equipment. He has worked extensively with Weatherford's production software and hardware offerings.

Luis Castillo
Luis Castillo is a services and project manager in Weatherford's Production Software group. He holds an MBA from Texas A&M University in Corpus Christi. Luis has 8 years of oil and gas industry experience. During his tenure with Weatherford, Luis earned a certification in project management from the Professional Management Institute. He has worked on many local and international production optimization and SCADA software projects. Luis has acquired significant experience in digital oil fields and has solid knowledge of pipeline operations. Some of the major projects Luis has participated in include ConocoPhillips, BHP, EP Energy, StatOil, Chevron, TransCanada, Sinopec, EcoPetrol, and PDVSA. Luis interacts with customers every day, which is one of the things he enjoys the most about his role. Luis also manages a variable size, cross-functional team that expands beyond the United States. Luis' extensive expertise in enterprise application integration and production optimization projects make him an excellent ambassador of Weatherford's capabilities in the production optimization arena.

Vineet Chawla
Vineet Chawla completed his bachelor's degree in Petroleum Engineering from the University of Petroleum and Energy Studies in India. He started working for Weatherford as a production optimization engineer in April 2010. Vineet has more than 11 years of experience in software and production engineering with specializations in Artificial Lift Systems (ESP, PCP, GL, RRL), InDesign, Surveillance, and Production Optimization.

Zhuo Gao
Zhuo Gao joined the Weatherford Production Optimization Consulting group as an artificial lift optimization analyst in 2012 and has provided consulting services using Weatherford production software on several production optimization projects for major operators around the world. Her current work involves the delivery and deployment of Weatherford's innovative and intelligent production optimization platform, ForeSite®. She received her Master of Science in Petroleum Engineering from Texas A&M University in 2011 and holds a Bachelor of Engineering from the China University of Petroleum.

Jerris George
Jerris George. Bachelors of Science in Mechanical Engineering. Has been working in the Oil and Gas Industry for 6 years specializing in Reciprocating Rod Lift Automation and Optimization. Currently working as a Product Specialist supporting Weatherford's Production Automation Products and Software solutions.

BREAKOUT SESSION SPEAKERS *(CONTINUED)*

Walter Goodwater
Walter is a software development manager for the CygNet® product line. He has been a developer on CygNet since 2006 and currently oversees client development and applied engineering applications.

Junior Henry
Junior Henry. Bachelors in Instrumentation Engineering from Oklahoma State University. Global Applications Engineer at Weatherford. 7+ years in the Oil and Gas Industry. Specializes in Gas and Plunger Lift Production Optimization, Wellsite management, Facility automation, SCADA and Application Development. Worked on many projects covering Domestic and International.

George Jacob
Mr. George Jacob is a lead architect, focused on business strategy and analytics. Mr. Jacob specializes in designing advanced analytics and cognitive solutions. He works with chemicals and petroleum clients internationally to provide them with artificial intelligence (AI) solutions.

Mr. Jacob provides thought leadership in the AI design space, introduced the "Concept to Operations" approach, and developed CRISP-DM-O methodology to operationalize data science and machine learning models. Mr. Jacob also standardized operational machine learning and cognitive pipelines for model training and scoring. These are proving to be a key success factor for AI Projects.

He extensively worked in the chemicals and petroleum sector under IoT, along with other aspects like Big Data, Data Federation, Integration, Master Data Management, BI, and Dashboards. He has prior experience in CPG distribution and retail sectors.

Mr. Jacob has over 20 years of consulting experience in strategy, solution design, and execution of large scale projects and service lines. He provides thought leadership by working with businesses to identify their advanced analytics and information management needs. He also has a strong understanding of how to leverage technology and tools. He draws upon a broad set of experience which includes business consulting, solution design, technology leadership, and stakeholder management.

Raja Jagannathan
Rajaperumal Jagannathan is a software services manager of the Weatherford Production Software group in Houston. Raja holds a bachelor's degree in Chemical engineering from the University of Madras in India. Raja has over 17 years of oil and gas, petroleum, and chemical industry experience. During his tenure with Weatherford, he earned a certification as a project management expert from the Arab Council. He has managed many local and international digital oilfield, production optimization, and SCADA software implementations. Raja has significant experience in digital oil fields and has a strong understanding of pipeline operations. Some of the major projects Raja has managed include Apache, Sandridge, KOC, ADCO, Chevron, and OMV. Raja's extensive expertise in enterprise application integration and production optimization projects make him an excellent ambassador of Weatherford's capabilities in the production optimization space.

Adam Johnson
Adam is a CygNet® support analyst at Weatherford. He is originally from the Bay Area but works in in the San Luis Obispo CygNet development office in California. Adam has 5 years of experience working on software applications in various capacities. Working on the CygNet product line, he draws on his software quality assurance background to help him when diagnosing support issues for his customers.

Eric Kramer
Eric is a CygNet® support team lead with Weatherford and has been with the company since 2014. He has more than 10 years of experience in software support and currently works with customers across all areas of the CygNet product line.

Phuong Le
Phuong is a product line champion and has been with Weatherford for 10 years. He is currently responsible for managing the field services manager portion of the ForeSite® production optimization platform. Previously, Phuong was a LOWIS® life-of-well information software deployment engineer and helped numerous customers across the world to solve challenges. Phuong holds a bachelor's degree in Computer Engineering.

BREAKOUT SESSION SPEAKERS *(CONTINUED)*

Blake Miller
Blake is a principal engineer in Applied Engineering at Weatherford and has been with the company since 2005 in various capacities. He has almost 20 years of experience in designing and integrating CygNet® systems. In his current role, Blake works on solutions, tools, APIs, advanced training, consulting, and deployment assistance for the Weatherford service and support teams.

Rakesh Rai
As the Global Manager of Consulting for the Production Software group, Rakesh Rai is responsible for developing integrated solutions for Weatherford's production software platforms.

Rakesh Rai has over 20 years of experience working with oilfield services and E&P companies. His experience includes integrated asset management, real-time production monitoring, and mature asset revitalization for conventional and unconventional assets. Rakesh holds a master's degree in Petroleum Engineering from The University of Texas at Austin.

Prabhu Ranganathan
Global Product Line Engineer at Weatherford since 2012, working on RRL and PCP automation applications. Work closely with domestic and international customers optimizing their wells and conduct training on Weatherford automation products.

Kevin Rowley
Kevin leads the software and firmware development teams for the Production Software & Automation business at Weatherford. He has over three decades of experience in architecting, developing, and deploying automation and control systems in a wide variety of industries, including oil & gas.

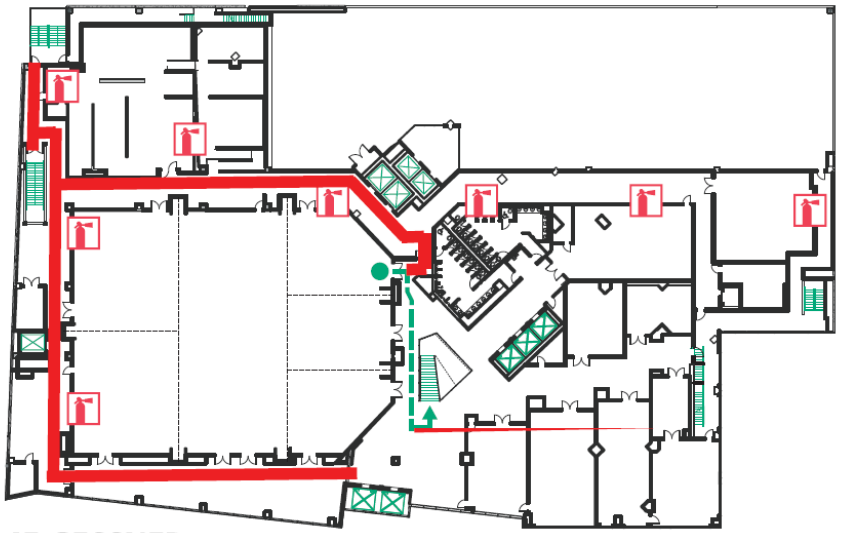
Marnie Tosh
Marnie has been with Apache since 2012 where she has provided measurement support for the mid-continent region. She has served the region through the initial installation of CygNet® in 2013 to most recently, when she led the region through the upgrade to CygNet 9.2 and the Dispatch rollout.

Bimal Venkatesh
Bimal Venkatesh is the Global Software Product Manager of Production Software group in Weatherford. He has spent over 15 years designing and developing production optimization software solutions. He is instrumental in building the vision and strategy for ForeSite® software platform and developing the product direction for CygNet. He has also worked closely with customers in the past, as a Business Development Manager, providing optimization solutions to various oil and gas operators for conventional as well as unconventional assets. Bimal has an MBA from University of Texas at Austin, MS Chemical Engineering from University of Wyoming and BS Chemical Engineering from Indian Institute of Technology, Madras.

Luke Williams
Luke is the Technical Trainer for CygNet® software at Weatherford and has been with the company since 2014. He is responsible for delivering CygNet training globally to both Weatherford customers and Weatherford employees. Luke conducts training on-site for custom courses by request and delivers training courses at Weatherford facilities around the world. CygNet training courses include Basic Configuration, Advanced Configuration, Administrator, and CygNet Measurement. Luke is based out of the CygNet Development Office in San Luis Obispo, California and conducts the majority of U.S. training from the Katy, TX facility.

EMERGENCY EVACUATION MAP

4th FLOOR
MEETING
ROOM AREAS



THE WESTIN
HOUSTON
MEMORIAL CITY

945 GESSNER
HOUSTON, TX 77024
281-501-4300

FIRE DEPARTMENT PHONE:
DIAL: 9-911

LEGEND

- YOU ARE HERE
- FIRE ALARM
- FIRE EXTINGUISHER
- STAIRS
- ELEVATORS
- EVACUATION ROUTE

ALARM SOUND NOTIFICATION WILL BE:
15 SECONDS OF CONTINUOUS TONE.
FOLLOWED BY RECORDED VOICE: ***"MAY I HAVE YOUR ATTENTION" (3X)***
FOLLOWED BY: ***"VOCAL EVACUATION INSTRUCTIONS"***

SURVEY

Improve the WESC Experience in Just 8 Questions

You may also complete this survey online at
https://www.surveymonkey.com/r/wesc2018survey

1. Describe WESC 2018 in 5 words or less.

2. Would you recommend attending WESC to colleagues? ☐ Yes ☐ No
3. What did we get right?

4. What did we get wrong?

5. Share your thoughts on the breakout sessions, including hits, misses, and missed opportunities.

6. Share your thoughts on the general session, including speaker content and technology unveils.

7. Share your thoughts on Monday's Casino Night and Tuesday's Happy Hour.

8. You now run WESC 2019, what changes would you make?

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