Conference Agenda

Monday, December 11, 2017

6:00pm–9:00pm   **WELCOME RECEPTION |** 4th Floor, Azalea Foyer

Tuesday, December 12, 2017

7:15am–8:15am   **BREAKFAST |** 3rd Floor, Wisteria & Hibiscus Ballrooms

8:30am–11:55am   **GENERAL SESSION |** Azalea Ballroom

Michael O'Connell - *Chief Analytics Officer, TIBCO*

Murray D. Rode - *Chief Executive Officer, TIBCO*

Matt Quinn - *Chief Technology Officer and EVP, TIBCO*

Michelle Lacy - *Biotechnology Data Strategy Lead, Monsanto*

10:15am–10:30am   **BREAK**

Kim Hightower - *Director of Enterprise Accounts, TIBCO*

Chad Loesel - *Staff Drilling Engineer, Anadarko*

Eric Keister - *Advanced Analytics & Emerging Technologies - Lead Business Strategist, Anadarko*

Dingzhou Cao PhD - *Staff Data Scientist, Anadarko*

Seong Park - *Vice President, Global Presales, Mongo DB*

Troy Ruths - *CEO, Ruths.AI*

12:00pm–1:15pm   **LUNCH |** 3rd Floor, Wisteria & Hibiscus Ballrooms

1:30pm–3:30pm   **BREAKOUTS**

BUSINESS TRACK | 4th Floor, Azalea Ballroom III

1:30pm–2:10pm   **Optimizing Financial Performance through Plant Maintenance Scheduling**
NRG focuses on maintaining safe and reliable equipment to support plant operations and financial performance. Scheduling equipment maintenance and outages during periods of low-margin power generation is part of this effort, which starts with an economic evaluation using Spotfire. In addition to project information, historical and forecasted market pricing data serves as a guide for planning. Using Spotfire, we will demonstrate a few examples of combining lost margin analysis and historical maintenance spending to plan outages with the aim of translating operating performance to profitability.
Joe Dominic, Director, Business Operations, NRG
Lucas Fontenelle, Senior Analyst, Business Operations, NRG

CONTINUE BUSINESS TRACK | 4th Floor, Azalea Ballroom III

2:10pm–2:50pm
Power to the People! Establishing a Data-driven Culture at Apache Corporation
Apache corporation, an 60+-year-old oil and gas exploration company, began its transformation into a "data-driven" enterprise in 2016. This effort brought thorough examination of all aspects of definition, storage, integration and delivery of business data to align it with the company's mission – a mission that has changed in many ways in recent years. As part of this process, Apache introduced the DataNOW program – a series of offerings designed to broaden the use of visualization and data discovery company-wide, from field personnel to the executive suite, driven by the TIBCO Spotfire analytics suite. In this discussion, Apache will describe the stages of the overall data "re-architecture", the innovations delivered to the company via Spotfire, and the revelations that can come from "re-thinking" data in a "60-year-old startup" company.
Travis Osborne, Director of Information Management, Apache
Mark RItch, Manager of Business Intelligence, Apache

2:50pm–3:30pm
Viral Spotfire: Growing and Maintaining Analytics at LINN Energy
Spotfire is integral to LINN Energy's self-service analytics platform. Does your company struggle to gain user adoption of Spotfire? We will discuss how LINN took Spotfire from a rarely used application to a viral BI solution that is now utilized company-wide, from IT to Operations to Finance. We will also cover the key drivers to consider when building out analyses for mass consumption and show examples of some of the core analysis utilized at LINN.
Audrie Luna, Business Analyst, LINN Energy

TECH TRACK | 4th Floor, Azalea Ballroom VI

1:30pm–2:10pm
Using Spotfire as a One Stop Shop for Evaluating Performance Trends in the Unconventional Space
Evaluating an unconventional play involves careful management of large datasets and often several software suites to answer the host of questions that arise. By combining the interactive visual capabilities of TIBCO Spotfire with Iron Python and TERR, Chevron has developed an application designed to tackle this challenge, specifically in the Permian Basin. This presentation will cover several app use cases and highlight key features including decline curve analysis, spatial interpolation, and data distribution assessment.
Calvin Caraway, Reservoir Engineer, Chevron

2:10pm–2:50pm
AUTO-DCA, Faster DCA, and Intuitive Analysis
Fitting production history with traditional Arps' equation or any other decline curve analysis (DCA) method is a well known approach. The result of DCA combined with completion and geological data can reveal many insights. However, this is monotonous and time-consuming when repeated for more than 100 wells. Typically, a manual workflow starts by collecting daily/monthly production data, selecting the DCA method and changing b and d factors to fit the history data. This process results in significant burden on an engineer's time - taking about 10 min per well and 1 week for 100 wells. Using AUTO-DCA TIBCO Spotfire enhanced visualizations and TIBCO Enterprise Runtime for R (TERR), an entire DCA analysis can be generated in minutes for 100 wells. This provides unprecedented evaluation of production and reservoir performance for the field, connecting dots and correlating cross functional information to optimize well and fracture spacing.
Gustavo Carvajal, Sr. Reservoir Engineer, BP-America
Brent Haas, Vice President of Engineering, R. Lacy

2:50pm–3:30pm
Spotfire Data Functions and Hadoop: Dynamic GeoSpatial Models from .LAS Files Using Hortonworks, R/TERR, and Spotfire
The Data Integration and Analytics team at XTO Energy in coordination with Hortonworks and ExxonMobil developed a Hadoop data source containing XTO's .LAS files originally stored in network folders. This combined effort created single data source for all wireline measured data in .LAS format that is easy to query. Using existing Hortonworks processes and Hadoop's capabilities, XTO combined Spotfire and TERR to dynamically generate queries on the Hadoop dataset returning insights to the organization in seconds instead of hours. Combining .LAS data with XTO's interpreted tops also led to daily generation of predefined variable for more robust spatial analysis.
Manny Rosales, Data Analytics - Team Lead, XTO Energy Inc.

APPS TRACK | 2nd Floor, Magnolia Ballrom

1:30pm–2:10pm

7 Steps to Maximizing Production with Spotfire and Statistica
We discuss sustainable analytics and data governance for E & P operations. In particular, we maximize the cumulative production of wells that are fractured. We use the PPDM data model for the integrated database and initially specify the data source systems and load interfaces (ETL). We subsequently characterize and clean the data prior to analysis. We use TIBCO Spotfire and TIBCO Statistica to create stable models for predicting wells for maximizing production; and results are fed to Reservoir Engineering specialists for implementation in the field. This interdisciplinary team is able to process a large amount of data for optimal effect and value generation. We illustrate the methodology, analytics and results using data from an operating oilfield as a pilot.
Danny Stout , TIBCO
Catalina Herrera, TIBCO

2:10pm–2:50pm

Delivering Value to Chevron Downstream & Midstream through Better Insights
The use of Spotfire in Chevron's Downstream and Midstream businesses has grown exponentially in the past few years. The visualization and modeling capabilities of Spotfire has led to additional insights and resulting value. In this presentation, we will share the modeling and analytics approach, highlight a few of the Spotfire dashboards and show demonstrations of two of the modeling applications.
Steven Boyd, Global Advisor – Supply & Transport Raw Materials Processes, Chevron

2:50pm–3:30pm

Increased Transactional Data Mining Drives Decision-making in ConocoPhillips' Supply Chain
Supply Chain Integrated Visibility (SIV) is a new reporting solution helping ConocoPhillips' Supply Chain function focus less on finding and curating data and more on data-driven actions. SIV uses Spotfire to easily visualize transactional data and empower users to analyze relevant business information. SIV places an emphasis on creating Spotfire dashboards which are reactive, easy-to-use, and intuitive for individuals with varying levels of Spotfire skill. This presentation demonstrates some of the key visualization features and change management tactics deployed by SIV to shift the approach from traditional business reporting to Spotfire dashboard usage for production and consumption of business information.
Neha Reddy, Analyst, Automation & SIV, ConocoPhillips

TIBCO OPENSPIRIT TRACK | 4th Floor, Cypress

1:30pm–1:50pm

What's New with TIBCO OpenSpirit®
A review of new capabilities released in the past 12 months and a description of the new strategic partnership with Bahwan CyberTek (BCT).
Clay Harter, CTO, Bahwan CyberTek

1:50pm–2:15pm

Synchronizing Studio Repositories
A composite customer case study describing the challenges of keeping Studio repositories in synch and a solution that uses new capabilities in Copy Manager that allows one to preserve Studio uniquid ids and custom folder structures.
Todd Broussard, Sr Solutions Consultant, Bahwan CyberTek

2:15pm–2:40pm

A New Approach to Well Mastering
A customer case study that describes a process to merge multiple source systems, with inconsistent data, into a single well master and then being able to propagate this high quality data back to subscribing working projects. The solution presented uses a combination of Geodatafy , OpenSpirit, EMS, Patterns and OpenSpirit Connect.
Dave Barnett, Product Architect and Integration Consultant, Bahwan CyberTek

2:40pm–3:10pm

Geodatafy – An Enabler for a Digital E&P Business
An overview and demo of a new framework for registering, finding, managing and using subsurface data. This new framework uses a modern web user interface to allow users to easily find structured and unstructured data across the enterprise and then to visualize the selected data or make it available for use in other geoscience and engineering applications.
Clay Harter, CTO, Bahwan CyberTek

3:10pm–3:30pm

Importing Bulk Data into TIBCO Spotfire®
The OpenSpirit Extension for Spotfire has the ability to import seismic trace data and horizon grids into Spotfire. This presentation reviews how to do this and how Spotfire may then be used to analyze and visualize this data in conjunction with other information.
Matt Kulow, Senior Solutions Consultant, Bahwan CyberTek

3:30pm–4:00pm **POWER BREAK**

| 4:00pm–5:45pm | **GENERAL SESSION** | Azalea Ballroom |

Michael O'Connell - *Chief Analytics Officer, TIBCO*

Catalina Herrera - *Sr Solutions Consultant, TIBCO*

Peter Shaw - *Staff Data Scientist, TIBCO*

Danny Stout - *Pre-Sales Professional, TIBCO*

Brad Hopper - *VP Product Strategy, Augment Intelligence, TIBCO*

| 5:45pm–7:45pm | **NETWORKING COCKTAIL RECEPTION |** 024 Lounge |

Wednesday, December 13, 2017

| 7:15am–8:15am | **BREAKFAST |** 3rd Floor, Wisteria & Hibiscus Ballrooms |

| 8:30am–11:45am | **TRAINING** |

	4th Floor, Azalea Ballroom III	**4th Floor, Azalea Ballroom VI**	**4th Floor, Cypress**
8:30am–10:00am	**Spotfire Introduction - Intermediate** Learn what it takes to create a dashboard from a dataset. You'll understand how to access data, build visualizations, and polish your analysis. Along the way, we'll explore adding multiple data tables, create calculated columns, incorporate custom expressions, and use text areas to guide your users, all with the goal of creating a logical and useful, interactive dashboard. *Ryan Anson, TIBCO*	**Spotfire Advanced** Spotfire is a powerful tool for exploratory data analysis (EDA.) Learn how to make discoveries in your data by leveraging Spotfire's built in capabilities and extending Spotfire with R. We'll look into univariate and bivariate patterns, and understand how to train, predict, and validate a multivariate model. *Troy Ruths, Ruths.AI*	**TIBCO Openspirit® Training**

| 10:00am–10:15am | **BREAK** |

| 10:15am–11:45am | **Spotfire Introduction - Intermediate** Learn what it takes to create a dashboard from a dataset. You'll understand how to access data, build visualizations, and polish your analysis. Along the way, we'll explore adding multiple data tables, create calculated columns, incorporate custom expressions, and use text areas to guide your users, all with the goal of creating a logical and useful, interactive dashboard. *Ryan Anson, TIBCO* | **Spotfire Advanced** Spotfire is a powerful tool for exploratory data analysis (EDA.) Learn how to make discoveries in your data by leveraging Spotfire's built in capabilities and extending Spotfire with R. We'll look into univariate and bivariate patterns, and understand how to train, predict, and validate a multivariate model. *Troy Ruths, Ruths.AI* | **TIBCO Openspirit® Training** |

| 12:00pm–1:15pm | **LUNCH |** 3rd Floor, Wisteria & Hibiscus Ballrooms |

| 1:15pm | **END OF CONFERENCE** |

| 1:15pm–3:15pm | **HACKATHON |** Azalea Ballroom III |

*agenda subject to change

TIBCO® ENERGY FORUM

Conference Parking Map

Hospital

Hospital

Self
Parking

Loading
Dock

Condo
Entrance

WESTIN MEMORIAL
CITY HOTEL

Hotel front entrance

GESSNER

Gateway Shopping Center

INTERSTATE 10