September 8-10, 2020 |Free to attend for Oil & Gas companies

Day One: Tuesday, September 8, 2020

9:00 EST: Digital Transformation: Leveraging Automation as a Tool to Drive Business Results
- Determining what your automation goals are: fewer workers? scaled capabilities? greater speed?   Higher quality? New capabilities?
- How does the application of intelligent automation integrate into the overall business strategy of operational excellence and cost reduction?
- How to develop a business case for change in applying AI/ML
- Where in your business do the opportunities lie? How to prioritize the areas of your business to automate
- Understanding how the digital revolution will impact your approach to operational excellence

*Tim Westhoven, Technology Scouting and Ventures Advisor, **ExxonMobil***
*Caryn Ogier, Project Manager, Operations Technology, **Noble Energy***
*Hani Elshahawi, Deepwater Digitalization Lead & Formation Testing & Sampling Principal Technical Expert, **Shell***
*Ravi Srivastava, Vice President, Data and Ops Technology, **CNX***
*Panel Moderator: Bob Baughman, CEO**, HUVRdata***

10:00 EST: Predictive Asset Optimization in Oil & Gas

Predictive Asset Optimization is the next generation of Predictive Maintenance, taking it to the next level of intelligence and sophistication by combining AI with simulation to achieve in-depth risk analysis along with very early detection of asset issues. This provides a full 360 degree view of risk and includes:
- Deeper insight into asset anomalies
- Detection of asset issues even earlier than through predictive analytics alone (also requiring less data for model training)
- Asset remaining useful life forecast through deep learning
- Impact analysis of degrading or failed assets
- Process optimization around degrading or failed assets in order to allow more time for planning/scheduling of maintenance activities

*Jim Chappell, Head of AI & Advanced Analytics, **AVEVA***

11:00 EST: Accelerating O&G Automation: Practical Lessons from the Front Line

With innovative solutions on the rise and oil and gas companies raising the competitive edge, the technology market has taken the world by storm. Yet, companies continue to face challenges with employee satisfaction, customer experience, workforce productivity, and manual errors directly affecting business process quality. *How do we overcome these challenges?*

Intelligent automation has introduced key advantages to the oil and gas industry and the digital workforce is dedicated to the mission of improving efficiency, reducing burden of non-value work, while also decreasing manual and repetitive tasks.

Accelerate your intelligent automation journey by learning from real-world experience of our experts. Join Huron's Scott Leshinski and Taylor Kennedy as they educate and share insight behind the process of transforming a business for automation while answering key questions, such as:

- How do I get started with automation?
- How have others approached automation – both within and outside the oil and gas industry. Did it work?
- What should I be aware of when implementing an automation in my team?
- What is that 'secret sauce' when attempting to define success via change?

Taylor Kennedy, *Intelligent Automation Leader,* **Huron**
Scott Leshinski, *Managing Director,* **Huron**
Andy Otterman, *Director of IT,* **Tallgrass Energy**

12:00 EST Implications of Time Series Data for Data Drive Process Manufacturing

In this webinar, Tim Hall VP, of Products at InfluxData, and Kelly Kohlleffel, VP of Sales Marketing and Alliances, will talk about the role of time series databases in the context of process manufacturing, how the lines have become blurred between IT and OT, and how a time series database can be used for a variety of process manufacturing use cases.

Tim Hall, *VP, of Products***, InfluxData**
Kelly Kohlleffel, *VP of Sales Marketing and Alliances***, Hashmap**

12:45 EST: The Connected Worker: Lessons From the Field - and COVID-19 - About Digitally Enabled Workers

Empowering frontline workers has been a challenge for many industries for a long time. Increasing customer expectations, more challenging cost structures, safety and reliability targets are pushing us to transform the traditional frontline worker into a digital one. The session will discuss the challenges and opportunities facing the digitization of the frontline activities and the impact on productivity, safety and continuous improvement. This interactive panel will discuss:

- Creating a safer work environment, boost compliance and improve efficiencies through automation
- Automating manual processes: Moving from concept to implementation
- Creating a fully connected worksite: knowing where your people and equipment is in real time
- Making your data mobile and reduce rework, non productive time and time to decision
- Providing a consolidated view to link your front-line workers to the information they need – when they need it most
- Calculating metrics and value capture for the newly created digital experience and the translation of time savings into real value creation
- Enabling your connected workers to efficiently carry out routine processes, improve operator productivity and reduce costs

Julie Thyne, *Global Continuous Improvement Lead,* **Dow Inc.**
Mark Hutcherson, *Director, Operations Excellence,* **ConocoPhillips**
Walter Pesenti, *Global Petrochemical Operational Excellence Manager***, BP**
Stephen Miller, *EMEA Director,* **Elite Energy Consultants**
Panel Moderator: Sandy Reid, *Chief Customer Officer***, Zaptic**

Day Two: Wednesday, September 9, 2020

9:00 EST: Panel Discussion: Consolidating Software: Which ones to lose and which ones to choose
- What are your main decision making drivers when adopting new technology?
- What are the biggest challenges to ditching your legacy systems, and how do you overcome those obstacles?
- Does your company have a data lake set up? Do you have production sandbox for testing new tech?
- Can you provide an example of when your company consolidated software?
- What software that are important to your process today do you think will be obsolete in the next 10 years.
- Consolidating software between departments opens an entirely new world of data and analytics that can be used to make better decisions. What are some examples of how access to new data points impacted a decision you made?
- What impact does M&A have on how you operate and more importantly, how you store and access pertinent data, given all companies use different technology and have different processes?
- How can software consolidation impact business intelligence?
- Right now, everyone is extremely budget conscious. What do you see as the short term and long-term financial impacts to software consolidation?
- Do you anticipate your 2020 technology budget going up or down?
- When looking at consolidating software, is it better to find a new all-encompassing solution or would you rather merge into an existing software. How do you make those decisions?

*Pedro Buhigas, Chief Information and Technology Officer, **Basic Energy Services***
*Matt Weis, Business Operations Analyst, Corporate Management Systems, **Cimarex Energy***
*Biju Misra, Director, Operations - Enterprise Services, **Enbridge***
Moderator: ***Rob Ratchinsky, CEO, ENGAGE***

9:45 EST: Robotic Industrial Process Automation: How is it Different From Traditional Robotic Process Automation?

- For those new to the concept – what is RPA?
- What other human processes are there that could potentially benefit from RPA?
- Enter Robotic Industrial Process Automation
- How can organizations leverage RIPA to increase safety, efficiency, business continuity and digitalize their control room operations

*Vicki Knott, CEO and Co-Founder**, Crux OCM***

10:30 EST: Towards Net-zero Operations: Optimize Operations by Democratizing Advanced Analytics

The oil & gas industry is on the path to Net-Zero operations due to environmental pressure. Big data offers great potential to come to new solutions. Different technologies and capital projects to decarbonise oil and gas productions are more and more common but a big chunk of the benefits can be gained by utilising the already collected sensor-generated time-series data. By democratizing analytics, where the power of analytics is put in the hands of the many operational experts at the production facilities, the largest number of improvements to operational performance can be gained.
In this presentation Julian Pereira, Head of Customer Success EMEA at TrendMiner, will discuss the changing analytics landscape, show how pattern recognition and machine learning help engineers quickly analyse operational performance and discuss some use cases how leverage data and advanced analytics to accelerate the transition towards net-zero operations.

*Julian Pereira, Head of Customer Success EMEA**, TrendMiner***

11:15 EST: Inside Chevron's Finance Digital Transformation

- Harness power of data to drive decision making
- Business simplification and standardization
- Agility and Innovation

Monika Mangla, *Director, Global Finance Digital Transformation,* ***Chevron***

Day Three: Thursday, September 10, 2020

9:00 EST: Building an Automation Center of Excellence (CoE)
- Building an Automation Center of Excellence (CoE)
- Embedding IA technologies deeply and effectively within your organization
- How using a CoE can better leverage your automation investments, moving from distributed organizations that individually own technologies to one vertical center that is capable of providing automation solutions across the enterprise
- Enabling a stronger emphasis on innovation

Biju Misra, *Director, Operations - Enterprise Services**, Enbridge*

10:00 EST: Solving Real World Problems with AI

Oil & Gas companies have three significant data streams that are either processed manually or ignored: document data, image data, and time series data. Artificial Intelligence can refine that data to optimize your business operations.

The energy sector is ripe for AI applications due to the availability of vast amounts of historical data records and new data streams coming from various channels and formats.

Tianhao Wu, PhD, has been a data scientist for more than 15 years. In 2005 he began working at Ask.com, one of the first search engines to respond to questions in natural language rather than with traditional keyword search. Since then he has been deeply enmeshed in helping machines and humans communicate in natural language.

In this webinar, Dr. Wu will discuss how Oil & Gas companies can take advantage of recent breakthroughs to solve real business problems with AI, by putting powerful AI tools in the hands of business SMEs to build their own models.

- Natural Language Processing for more efficient document extraction and better business operations.
- Image Classification and Recognition for quality control, damage assessment, area monitoring and change recognition.
- Predictive Analytic for time series analysis and bespoke predictive models to create more profitable business outcomes.

Tianhao Wu, PhD, *Chief Technology Officer**, Singularity Systems Inc.*
Michael Grant, *Vice President North American Sales**, Singularity Systems Inc.*

11:00 EST: ExxonMobil Case Study: Value Generation from Artificial Intelligence Initiatives

Companies large and small are investing in Artificial Intelligence capabilities. While there is a lot of hype around what opportunities AI technologies can unlock, there is also incredible value generation underway. This talk will uncover what it takes to generate value from your AI investments. Key themes to be covered in the talk with a lens towards the Oil & Gas industry:

- Why AI? Why now?
- Demystify Artificial Intelligence & Machine Learning
- Key building blocks of a successful AI initiative
- Why AI initiatives face challenges?
- Generating Value from your AI investments
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Vinit Verma, *Senior Technology Advisor,* ***ExxonMobil***