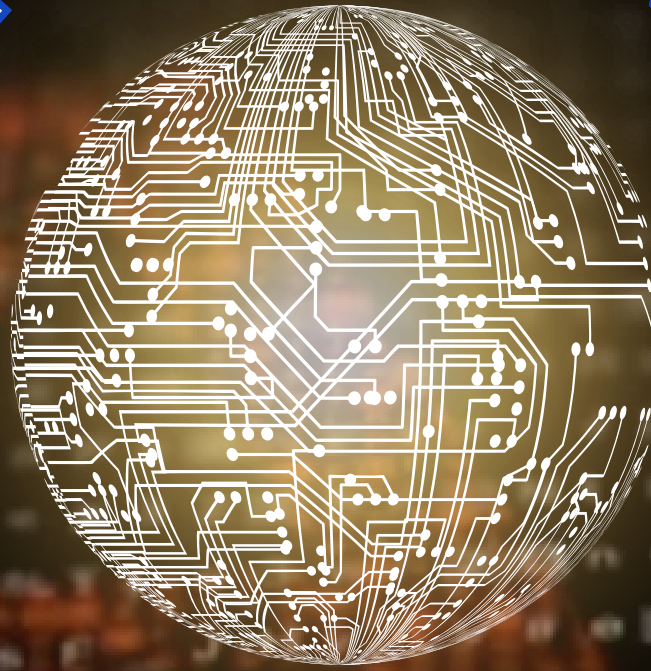


DIGITAL INNOVATION FORUM



Climate Change Solutions

November 13, 2024

Calgary Petroleum Club

Calgary, Alberta, Canada

HOSTED BY



PTAC

PETROLEUM
TECHNOLOGY
ALLIANCE
CANADA

TABLE OF CONTENTS

03 WELCOME

05 SCHEDULE AT A GLANCE

06 SPONSORS

07 CONFERENCE AGENDA

12 EXHIBITOR LIST

13 FLOOR PLAN

14 BIOGRAPHIES

WELCOME

Thank you for registering for the Digital Innovation Forum 2024!

On behalf of the Petroleum Technology Alliance Canada (PTAC), we are delighted to welcome you today. This year's forum will showcase the latest advancements and trends in digital innovation focused on exploring solutions to climate change. Throughout the day, you will hear from a diverse group of industry leaders, entrepreneurs, researchers, and innovators who will share valuable insights, examine challenges, and investigate opportunities in this rapidly evolving field.

We look forward to your involvement in presentations, panel discussions, and networking sessions. These sessions will cover a wide range of topics, including achieving operational excellence through digitalization, fostering collaboration and trust in the digital era, leveraging digital technologies for carbon reduction, and utilizing digital solutions for environmental management and safety.

PTAC extends its gratitude to all sponsors, partners, and organizers for their support in making this event successful. Following today's discussions, we are excited about the innovative solutions that will emerge from this year's event and the collaborative opportunities that will shape the future of our industry.

Sincerely,

Lauren Savoie, P.Eng, PMP
President & CEO
PTAC





**All companies need to evolve.
We help you get the evolution funded.**

Copoint is committed to **supporting technology innovation in energy through SR&ED**. Operating in Alberta for over 30 years, feel confident your claim is in the best hands with unmatched financial and technical expertise.



**Most Canadian SMEs recoup ~50% of their
R&D spend**

Leave the heavy lifting to a team of experts

+ Getting you the most back

We maximize your netback by identifying all eligible activities and costs.

+ From start to finish

All-inclusive services from qualifying projects, proactive strategy, through filing, audit and appeals.

+ Superior audit results

Leverage our team's bench strength to get your claim through audits with exceptional results.

+ Client experience

Our Calgary-based team is dedicated to making your experience seamless and positive.

Book a discovery call today at copoint.ca

SCHEDULE AT A GLANCE

Registration & Breakfast	7:30 AM - 8:10 AM
Opening Remarks	8:10 AM - 8:15 AM
Conference	8:15 AM – 3:35 PM
Exhibition	7:30 AM – 5:30 PM
Networking Reception	3:35 PM – 5:30 PM

Methane Airborne Detection Solution for the Oil & Gas Industry

A Complete, Field-Proven and Cost-Effective Solution to Manage Methane Emissions, Simplify Decision Making, and Confirm Regulatory Compliance



Unhindered by
Snow Coverage



Pre-Flight

Infrastructure Survey:
Production and
Transmission



In-Flight

Capture of infrared and
visible imagery data



Post-Flight

Data process and analysis
with full detection report

Cost Effective

Our lightweight sensor is easily adaptable in different aircraft types, keeping operational costs to a minimum

Be Regulatory Compliant

Get accurate gas concentration results you can trust and meet new compliance requirements for less

Identify & Quantify Leaks

Obtain real-time visualization and identification of detected emissions. Minimize false alarms and reduce maintenance budget

Detect Multiple Gases

Our system can not only detect methane, but also other gases of interest, like hydrocarbons, NO₂, SO₂, as well as many other VOCs



SPONSORS

T E L O P S
EXOSENS GROUP

BARR
GeoSpatial
SOLUTIONS

BRONZE SPONSORS

Copoint

Networking Reception Sponsor



CNTRAL

Lanyard Sponsor



GOLDEN ACRE
HOME & GARDEN

SINCE 1967

Plant Sponsor

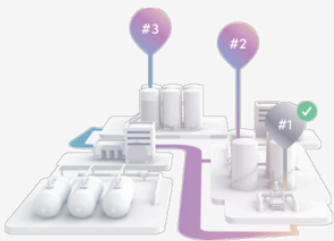
CONFERENCE AGENDA

7:30 AM	Registration, Breakfast and Networking
8:10 AM	Welcome Marc Godin, Director of Technology, PTAC
8:15 AM	Enabling Transformation Through Emerging Technology Adam Burley, Senior Leader – IoT, Rogers Communications



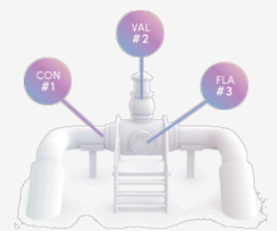
Centralize your inspections and regulations.

One central platform to manage all of your in-field and remote inspections and the regulatory requirements to stay compliant.



Plan Your Route

Easily create an inventory of assets to inspect and the most efficient inspection route to take. CNTRAL's mobile app will guide your inspectors to their next inspection with ease.



ID Photos and Videos

Easily markup photos to indicate exactly where components are, CNTRAL even allows you to markup video portions to make sure nothing is missed. No more guessing. No more mistakes.

CONFERENCE AGENDA

8:30 AM	<p><i>Industrial Remotely Piloted operations: digital-twin, emergency response, and package delivery combined operations at scale</i></p> <p>Sean Greenwood, President and Founder, Canadian UAVs</p>
8:45 AM	<p><i>Vermilion Energy Field Operations Transformation Journey using four themes</i></p> <p>Prabhu Srinivasan, Team Lead – Operations & Data Analytics, CBU, Vermilion Energy</p>
9:00 AM	<p><i>Build vs. Buy: Navigating Software Solutions in the Energy Sector</i></p> <p>Barett Pedersen, Director of Digital Solutions & Innovation, Teine Energy</p>
9:15 AM	<p><i>Session 1: Operational Excellence through Digitalization</i></p> <p>Unlock the potential of digital transformation to enhance key business operations like production, maintenance, and revenue growth. In this session, we'll dive into real-world examples, share valuable insights, and discuss the measurable impact and results of digital solutions.</p> <p>Moderator - Rick Tofani, President, RJT Consulting Panelist – Ferdinand Hingerl, CTO, Ambyint Panelist – David Lod, CEO, VEERUM Panelist – Anthony Chan, CEO & Co-Founder, Venturi</p>
9:55 AM	<p><i>Technology Spotlight:</i></p> <p>Kris Covey, Director Oil & Gas, Barr Geospatial and Jean-Philippe Gagnon, Field Application Engineer, Telops</p>
10:00 AM	<p><i>Networking Break</i></p>

CONFERENCE AGENDA

10:30 AM	<i>Innovating with Safety and Security: Navigating the AI Enabled Future</i> John Hewie, National Security Officer, Microsoft
10:45 AM	<i>Applying AI – Practical application of AI to make your organization better</i> Kevin Crowe, Executive Vice President, Client Experience, Long View Systems
11:00 AM	<i>Implementing and Governing Generative AI in Enterprises</i> Omolade Saliu, IBM Distinguished Engineer & Chief Data Scientist, IBM Consulting Canada
11:15 AM	<i>Exploring applications of quantum machine learning in tailings treatment</i> Adam Bene Watts, Quantum Computing Researcher, Quantum City
11:30 AM	<i>Session 2: Collaboration and Trust</i> Digital technologies play a crucial role in transforming, standardizing, and validating data flow between market participants. Achieving success in a multi-stakeholder environment demands strong collaboration and trust. Join this session to explore insights and lessons from a recent industry-wide initiative. Moderator – Brenda Beckedorf, Chief Executive Officer, Society 5.0 Panelist – Bruce Duong, Senior Manager, Digital Innovation and Recovery Technologies, Alberta Innovates Panelist – Marvin Wong, Vice President, Secure Energy Panelist - Mark Guirguis, Business Development Director, Spartan Controls
12:10 PM	<i>Lunch and Sponsor Recognition</i>

CONFERENCE AGENDA

1:10 PM	<i>Afternoon Remarks</i> Lauren Savoie, President and CEO, PTAC
1:15 PM	<i>Digital Innovation for Emissions Management: Streamlining Data Gathering and Transformation</i> Mark McCann, Project Manager, TC Energy
1:30 PM	<i>Session 3: Climate Change Solutions through Digital Technologies</i> While reducing greenhouse gas emissions and improving energy efficiency are often associated with mechanical and process engineering, advanced data analytics and AI offer new pathways for identifying opportunities. This session will highlight recent breakthroughs where data-driven insights have led operators to make impactful process changes and capital investments, resulting in significant GHG emission reductions. Moderator – Shay Sharma, EIT, PTAC Panelist – Demian Newman, CEO/Co-Founder, GreenWorks ESG Panelist – Jason Williams, Director O&G Business Development, Finning Panelist – Jessica Shumlich, CEO and co-founder, Highwood Emissions Management Panelist – Nafaa Hoddou, CEO and co-founder, Nu Terra Labs
2:20 PM	<i>Networking Break</i>

CONFERENCE AGENDA

2:55 PM	<p><i>Session 4: Digitalizing Shipping Compliance to Manage Environmental, Regulatory and Safety Risks</i></p> <p>Compliance documentation often relies on manual processes, but digital solutions can streamline and enhance efficiency. In this session, we'll showcase the significant advantages of adopting a digital approach, with real-world examples from the hydrogen and pipeline sectors.</p> <p>Moderator – Amit Bhargava, CEO, EnviroApps Inc. Panelist – Erin Horb, Technology Advisor & Hydrogen Specialist, Alberta Motor Transport Association (AMTA) Panelist – Florence Yu, Environment and Regulatory Advisor, Inter Pipeline Ltd.</p>
3:35 PM	<p><i>Networking Reception</i> Curtis Griffith, Director, Business Development, CoPoint</p>
5:30 PM	<p><i>Adjournment</i></p>

EXHIBITOR LIST



WWW.BARRGEOSPATIAL.COM



(403)-215-2963



WWW.COPOINT.CA



(403)-245-2110



INFO@COPOINT.CA



WWW.GOLDENACRE.CA



(403)-274-4286



INFO@GOLDENACRE.CA



WWW.TELOPS.COM



(418)-864-7808



SALES@TELOPS.COM



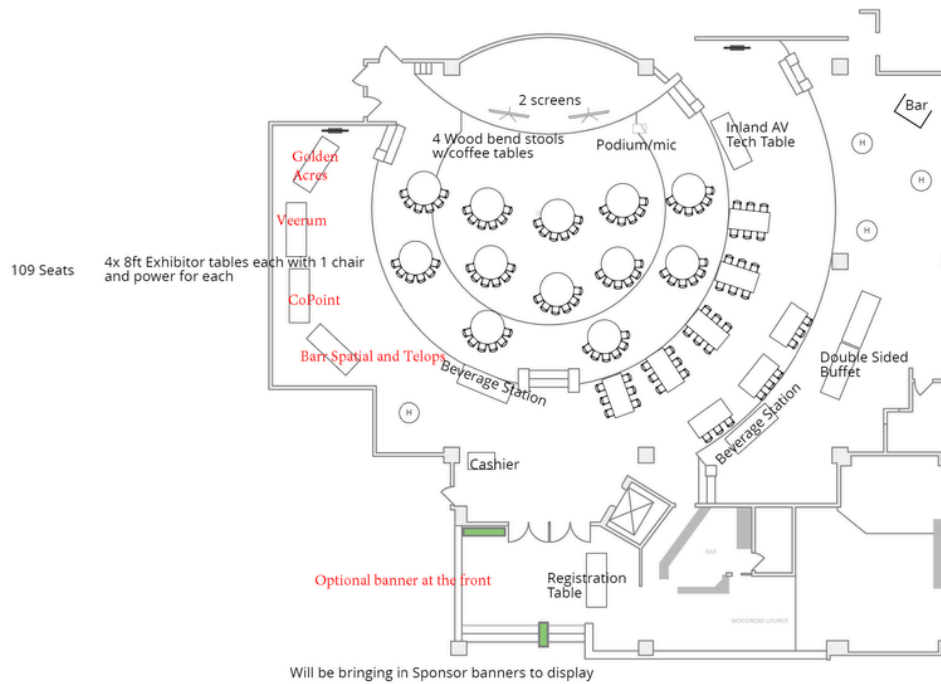
WWW.VEERUM.COM



1-(877)-325-6326

FLOOR PLAN

Devonian Room - Calgary Petroleum Club



BIOGRAPHIES



Adam Bene Watts, Quantum Computing Researcher, Quantum City - Presentation

Adam Bene Watts graduated from McGill University in 2016 with a BSc in Math and Physics. He completed a PhD in physics in 2021 at MIT under the supervision of Professor Aram Harrow. He then worked as a postdoc at the Institute for Quantum Computing at the University of Waterloo. He has also worked as a consultant for Xanadu and a physics instructor for MIT's Interphase EDGE program. Currently he is a Scientist-in-Residence at Quantum City within the University of Calgary.

Adam works mostly in the fields of Quantum Computing and Quantum Information Theory. Focuses of his work include quantum correlations, shallow quantum circuits, and learning from quantum states.



Adam Burley, Director - IoT, Rogers Communications - Presentation

The rules for all businesses have changed and the stakes have never been higher. A digital first strategy is no longer a nice to have, but rather essential as disruption comes from both traditional and non traditional competitors. Focused on helping clients accelerate their digital transformation through the application of emerging technology, Adam believes the power is not in the technology itself, but rather the outcomes that it delivers for those that adopt it. At Rogers Business, Adam and his extended team lead the strategy, business development and commercialization of our 5G, Internet of Things, Data Center and Advanced Network solutions portfolio.



Amit Bhargava, CEO, EnviroApps Inc. - Session 4

Amit has more than 24 years of widely varied experience managing Environmental and Regulatory Compliance for the industry. His passion to solve the pain he had to go through dealing with certain archaic processes, led him to form EnviroApps. Upon realizing the importance of EnviroApps' digital solution from a public and Emergency Responder's safety perspective, he has made it a mission to raise awareness and persuade the industry to do their part and provide reliable, complete, accurate and timely information to our Emergency Responders, who put their lives at risk to deal with an emergency while trying to protect public and the environment.

EnviroApps is helping the industry transition to digital shipping documents for waste, dangerous goods and water use tracking. Regulations require shipping documents to accompany dangerous goods and hazardous waste during their transport, however, when an emergency event occurs, Emergency Responders cannot access those paper documents from the Truck. EnviroApps is making lives better by improving safety, ensuring compliance, saving costs and making ESG data collection effortless.

In his personal life, Amit always makes a conscious effort to reduce the environmental footprint and takes on every opportunity to share his learnings and motivate others. Last year his family was featured in City of Calgary's Action Against Climate Change Campaign.

BIOGRAPHIES



Anthony Chan, CEO & Co-Founder, Venturi - Session 1

Anthony Chan is the CEO and co-founder of Venturi, where he drives innovation in pipeline modelling and digital solutions that empower pipeline operators to make informed decisions in their day-to-day operations. With over 15 years of experience in the energy industry and a strong background in finance, research, and analytics, Anthony is passionate about entrepreneurship and is an active member of the business community in Alberta. Outside of work, he enjoys mountain biking with his family, exploring photography with his Leica M6, and volunteering his time mentoring engineering students and young professionals in Alberta.



Barrett Pedersen, Director of Digital Solutions & Innovation, Teine Energy - Presentation

Barrett, a Calgarian born and raised, graduated from SAIT with a Bachelor's degree in Applied Petroleum Engineering Technology. His career began in 2000 at PanCanadian/Encana, where he held roles in production and completions engineering. He collaborated with Montney teams on completions analytics and design of experiments, enhancing the understanding of production drivers and operational efficiencies. In 2012, Barrett joined Teine Energy as a production engineer, overseeing a remarkable growth from 2,000 bbls/d to over 15,000 bbls/d within four years by managing the optimization of 1,000+ wells and drilling 200+350 wells/year. In 2019, he spearheaded Teine's digital transformation, leveraging data science to enhance efficiency and sustainability. Currently, Barrett serves as the Director of Digital Solutions and Innovation at Teine.



Brenda Beckedorf, Chief Executive Officer, Society 5.0 - Session 2

Brenda Beckedorf is an accomplished ecosystem builder, visionary leader, and strategic thinker with a wealth of experience in fostering and advancing a diverse spectrum of technology enterprises.

Brenda, a co-founder of Society 5.0, is a passionate advocate for unlocking the full power of technology and innovation. With a deep commitment to driving positive impact and sustainable growth, she spearheads the mission of the organization. Society 5.0, under Brenda's leadership, envisions celebrating innovation, entrepreneurship, and investment in technology while proactively addressing the challenges faced by tech and innovation companies.



Bruce Duong, Senior Manager, Digital Innovation and Recovery Technologies, Alberta Innovates - Session 2

Bruce currently works with Alberta Innovates as a Senior Manager in the Clean Resources team, identifying, evaluating, developing, and investing in new and emerging technologies with a focus on digital innovation. Since 2019, Bruce has built a portfolio of digital projects through the Digital Innovation in Clean Energy program which has invested more than \$6.4MM in 30 projects to develop and bring to market technologies that create jobs in the digital economy, reduce GHG emissions and contribute to environmental innovations in water and land management. Bruce is a professional engineer and has a bachelor's degree in mechanical engineering from the University of Calgary and a master's degree in clean energy engineering from the University of British Columbia.

BIOGRAPHIES



David Lod, CEO, VEERUM - Session 1

David Lod is a seasoned professional and a trailblazer in the technology industry, currently serving as the Chief Executive Officer of VEERUM. With an illustrious career spanning two decades, Lod has dedicated his expertise to the relentless pursuit of cutting-edge technologies and innovation.

Lod's journey began as a pioneer in the data center market, where he made significant contributions that positioned him as a thought leader in the field. His keen insights and forward-thinking approach set the stage for advancements in critical compute infrastructure that have become integral to modern business operations.

In the course of his career, Lod has been a driving force behind the evolution of the digital twin sector for large industrial verticals. Recognizing the transformative potential of digital twins, he played a pivotal role in shaping and influencing the industry, contributing to the integration of virtual models and real-world data to optimize operations and decision-making.

As the CEO of VEERUM, Lod continues to lead the company with a vision that combines technological innovation and a deep understanding of industrial needs. Under his guidance, VEERUM has become a key player in delivering market-leading solutions that empower organizations to thrive in the digital era.



Demian Newman, CEO/Co-Founder, GreenWorks ESG - Session 3

With more than 25 years in the Canadian energy sector, combined with a business background in technology, Demian brings the perspective of an industry insider to address the nuanced and complex world of environmental reporting, sustainability optics and business ethics. In 2019, he founded GreenWorks ESG, a SaaS platform designed facilitate the tracking, management and validation of true ESG impacts regardless of a company's size, while streamlining the process and enhancing transparency around ESG reporting. Demian has established Greenworks to marry the benefits of a proprietary and cutting-edge software system that empowers companies to control their own ESG journey, and combine it with broad sustainability expertise available through its advisory service. As investors, the public, and governments globally continue to command more from companies related to their ESG practices and reporting, GreenWorks offers the key to building real, tangible, quantitative substance into useful sustainability reporting.



Erin Horb, Technology Advisor & Hydrogen Specialist, Alberta Motor Transport Association (AMTA) - Session 4

Erin Horb is an atmospheric scientist by training and has widespread experience working on multi-stakeholder committees and working groups. She currently works as a Technology Advisor & Hydrogen Specialist at the Alberta Motor Transport Association (AMTA), where she is part of a small, solutions-oriented Research & Innovation team. This team is actively collaborating with partners and funders to explore the use of alternative fuels, including hydrogen, in commercial transportation in Alberta. Because the Alberta hydrogen ecosystem is still under development, AMTA has had the opportunity to be involved in many aspects of the emerging network: bringing hydrogen trucks to Alberta for hands-on demonstrations, developing Alberta's first hydrogen fueling station for heavy-duty vehicles, navigating and identifying gaps in regulations, and providing hydrogen education and general awareness for industry and the public. AMTA has been working with EnviroApps to support our work on a key infrastructure project in Nisku, AB.

BIOGRAPHIES



Ferdinand Hingerl, CTO, Ambynt - Session 1

Ferdinand is a thought leader focused on helping clients leverage their data to make informed decisions with high-impact measurable results that also support ESG initiatives. He is committed to using data to positively impact the world we live in. His career is steeped in research and product development serving in various technical, mentoring, and strategic roles at companies in the oil and gas sector and academic research laboratories. His passions for reading and everything related to numbers combined with his background in data science, reservoir simulation, and scientific software development provides him a diverse skill set to lead teams integral in creating science and data-based products. Ferdinand holds a PhD in computational geochemistry from ETH Zurich and conducted his postdoctoral research at Stanford University. Currently residing in Calgary, Ferdinand uses his downtime to enjoy all of the outdoor activities the Rockies have to offer including swimming, biking, running, skiing, kayaking, and hiking.



Florence Yu, Environment and Regulatory Advisor, Inter Pipeline Ltd. - Session 4

Florence is an experienced industry professional with over 8 years of expertise in the environment and compliance sector. Currently serving as the Environment and Regulatory Advisor at Inter Pipeline Ltd., She possesses a comprehensive understanding of waste management and environmental protection through her diverse background working in both consulting and client organizations. Her dedication to sustainable construction and waste disposal practices has led to a natural partnership with EnviroApps on electronic waste manifesting. This collaboration aligns perfectly with her passion for environmentally conscious solutions.



Jason Williams, Director O&G Business Development, Finning - Session 3

Jason Williams has 27 years experience in the Canadian Oil and Gas market. He has led and supported multiple large-scale Drilling, Completion and Midstream projects throughout his career. During the past 10 years he has led Canadian P&Ls and supported the growth of start ups and incubator companies. Jason joined Finning 2 years ago as Director of Business Development - O&G Canada and is spearheading the emission forecasting app "Finning - Sustainability App".



Jean-Philippe Gagnon, Field Application Engineer, Telops - Technology Spotlight

Jean-Philippe Gagnon holds a master's degree in physics and worked at Telops since 2005. Since then, Jean-Philippe has been involved in the development of their line of infrared cameras and hyperspectral infrared imagers. As a field applications scientist, Jean-Philippe works with Defense and Security Labs, Industrial Labs and University Research Centers worldwide to perform measurement campaigns and support their data analysis efforts in a wide range of applications. More recently, he is part of the team using Telops' new miniaturized hyperspectral imager to detect and quantify methane leaks from the oil and gas industry and thus help better understand their emissions and how to reduce them.

BIOGRAPHIES



Jessica Shumlich, CEO and co-founder, Highwood Emissions Management - Session 3

Jessica Shumlich is the CEO and co-founder of Highwood Emissions Management with over 15 years of experience in energy companies, governments, tech developers, and startups. She has a background as a drilling engineer and supervisor for Shell and ended her tenure developing the GHG reporting plans and strategy for the global portfolio. She was the Program Manager for Energy Efficiency Alberta and Global Technical Director for Carbon Connect International, overseeing the design and delivery of the incentive programs that resulted in millions of GHG reductions. Jessica's expertise spans across Canada, the US, the Netherlands, the UK, and Germany.



John Hewie, National Security Officer, Microsoft - Presentation

John Hewie is National Security Officer at Microsoft Canada leading the company's strategy in country to develop trust in Microsoft products and services. In this role John, provides leadership and innovation partnering with internal teams to build cybersecurity programs that help protect Canadian organizations and comply with Canadian government and regulatory security and privacy requirements. John works extensively with Canadian regulators to align rules with modern technology capabilities, manages cyber security collaboration with governments; facilitates threat intelligence sharing with public and private sectors; coordinates with local law enforcement on cybercrime disruption efforts and engages broadly with Canadian stakeholders to improve the cybersecurity ecosystem.



Kevin Crowe, Executive Vice President, Client Experience, Long View Systems - Presentation

With over 20 years at Long View, Kevin has been pivotal in driving growth and excellence, helping Long View go from 20 people to over 1,300. He is renowned for his role as an Innovator, Builder, and Client Advocate. Recognized for his profound impact on innovation and organizational development. Kevin founded the Give a Mile Charitable organization in 2013, which has since provided over 1,000 final visits for families to fly and be with their dying loved one for a last visit by crowdfunding travel loyalty points. An avid extreme distance athlete, Kevin has conquered some of the most challenging endurance races on the globe.



Kris Covey, Director Oil & Gas, Barr Geospatial - Technology Spotlight

Kris is Director Oil & Gas at Barr Geospatial with over 15 years of experience in developing new markets for emerging technologies. He has worked extensively in the Oil & Gas sector supporting pipeline integrity and construction programs. He has a Bachelor of Commerce degree from the University of Alberta. From his background in developing markets for emerging technologies, he has supported the introduction of new NDT techniques, remote satellite monitoring and , leak detection, aerial imaging with AI and patrol of various oil & gas infrastructure. Kris's work at Barr includes developing the utilization of LiDAR and other remote sensing techniques as an operational tool to monitor pipelines for geohazards and leak detection. He has considerable experience working with pipeline integrity managers in North America.

BIOGRAPHIES



Mark Guirguis, Business Development Director, Spartan Controls - Session 2

Mark Guirguis has a track record of bringing technology and opportunity together in developing and delivering successful Environmental and Sustainability focused projects. With an Oil and Gas industry foundational education in Chemical Engineering, specializing in Computer Process control from the University of Alberta, he has worked in industry for over 23 years. He has experience in SCADA systems, Flow computing, Directive 17 compliance and all forms of industrial Automation and instrumentation. Some of the projects he has helped develop continue to drive millions of dollars annually in CO2 offset credits while taking the equivalent of thousands of cars off the road. Today, in addition to digitally focused mentorship and solution development in the spaces where IT and OT converge, he works closely with organizations in developing meaningful projects to support their Digital Transformations and efforts to improve in the ESG space. Outside of work, he likes to spend time with his family, cook, fish, and enjoy the outdoors.



Mark McCann, Project Manager, TC Energy - Presentation

Mark is a civil engineer and Project Manager with nearly a decade of experience in the oil and gas sector. Over the past 5 years, Mark has focused on various emissions management roles, with a recent emphasis on enterprise emissions data management.

In his current position, Mark leverages his technical expertise and project management acumen to drive strategic initiatives aimed at improving emissions reporting and data governance



Marvin Wong, Vice President, Secure Energy - Session 2

Marvin Wong joined SECURE in 2013 and was appointed as Vice President of Business Intelligence, Technology & Security in 2021. He is inspired by challenging what is possible and is driven by solving important problems that affect our people, communities, and environment.

Prior to joining SECURE, Marvin held various positions at AltaLink and General Electric. Marvin graduated from the University of Calgary with a BSc., Electrical Engineering. Throughout his career, he has continued his education with the Haskayne School of Business and the Smith School of Business at Queen's University.

Coming from an immigrant family, Marvin takes pride in being Canadian and is passionate about evolving the economic landscape for future generations to thrive. He is a proud husband and father of two little girls, who keep him grounded on the most important things in life.

BIOGRAPHIES

Nafaa Hoddou, CEO and Co-founder, Nu Terra Labs - Session 3



Nafaa Haddou, CEO and Co-Founder of Nu Terra Labs, brings a unique blend of expertise in molecular biology, business studies, and technology. A graduate of Macewan University, Nafaa combines his scientific background with extensive business experience to lead Nu Terra Labs' development and growth. His current focus is on driving the launch of FireSafe, Nu Terra's groundbreaking wildfire detection and response platform, which aligns with his commitment to protecting communities, infrastructure, and lives from the growing threat of wildfires.

Over the past few years, Nafaa has become a recognized advocate for the ethical implementation of AI in industry, a principle he has actively applied to optimize and drive meaningful advancements in resource management and environmental protection. Previously, as COO for New Earth Solutions, he played a pivotal role in building performance-driven systems that enhance operational efficiency, leveraging his ability to unify cross-functional teams to meet demanding project timelines. Known for his relationship-building acumen, Nafaa continues to support enterprise clients with IT solutions tailored to evolving needs, and he applies his biological sciences expertise to projects involving biological systems, scientific research, and validation studies.

Omolade Saliu, IBM Distinguished Engineer & Chief Data Scientist, IBM Consulting Canada - Presentation



Omolade Saliu is an IBM Distinguished Engineer and Chief Data Scientist for IBM Consulting Canada. As the Technical Leader of the IBM Canada Generative AI Center of Excellence, he spearheads AI technical competence development through generative AI and foundation models-based solutions to deliver enhanced value for clients. With over 20 years of cross-sector consulting and research experience, Omolade has successfully led the implementation of numerous first-of-a-kind enterprise-scale AI/Machine Learning and optimization solutions, delivering significant impact for his clients.

Omolade has developed a range of assets and accelerators that have been leveraged across multiple projects. His achievements also include intellectual property, holding 8 patents and 3 IPs, several publications, and featuring on the cover of the Alberta Oil Magazine. Omolade is an IBM Certified Data Scientist Thought Leader and The Open Group Certified Distinguished Data Scientist. He holds PhD in Computer Science from the University of Calgary, Canada.

Prabhu Srinivasan, Team Lead – Operations & Data Analytics, CBU, Vermilion Energy - Presentation



Prabhu Srinivasan has been working at Vermilion Energy for over 13 years. He has held several roles that includes Operations Engineering, Facilities Engineering and Asset Integrity before moving into his current role as Team Lead – Operations & Data Analytics. In this role, he is responsible for providing mentorship, technical guidance and strategic oversight to the Field Operations Team with respect to data and technology. He is also the program manager for Vermilion's Corporate Digital Strategy – Operations, which focuses on value creation through technology for 9 countries. Prabhu has a Master of Applied Science in Industrial Systems Engineering from the University of Regina, Saskatchewan Canada and Bachelor's in Chemical Engineering from India. On his spare time, he would like to play tennis and golf.

BIOGRAPHIES



Rick Tofani, President, RJT Consulting - Session 1

Rick is the President of RJT Consulting and formerly the Executive Director of Energy Connections Canada, the national association for the Canadian Energy Pipeline industry. A not for profit organization in Canada bringing together over 90 members of the pipeline industry supply chain from owner operator's to construction and engineering to service and technology companies to advance the safe and responsible transportation of Canada's energy.

Rick previously led 80 full-time staff completing up to \$11-million in research projects annually at Southern Alberta Institute of Technology's (SAIT) Applied Research and Innovation Services. He joined SAIT following success in both the public and private sector, holding executive positions with the Canadian Oil Sands Innovation Alliance (COSIA) during its start-up years and Alberta Innovates Technology Futures.

He has an MBA from the University of Saskatchewan and a B.Sc. in Geological Engineering from Queens University and has been a Professional Engineer for over 40 years.



Sean Greenwood, President and Founder, Canadian UAVs - Presentation

Sean Greenwood has been the president/founder of Canadian UAVs since February 2015. Over the past nine years, Sean has built Canadian UAVs into a Premier defence contractor and oil field services company with a strong research and development capability. For almost a decade, Canadian UAVs has pioneered Beyond Visual Line of Sight operations in civil and military airspace and has become the premier UAV operations company in Canada. In 2024, Canadian UAVs expanded its operations in the United States and the United Kingdom.

A licensed commercial helicopter and private fixed-wing pilot, Sean has over six hundred hours of flight time. His experience includes flying Robinson 44s for Global 1 news, airshows, and heli-tours in Alberta and British Columbia. As the former base manager for a popular seven-day-a-week heli-tour operation in Drumheller, Alberta, Sean oversaw three junior pilots.

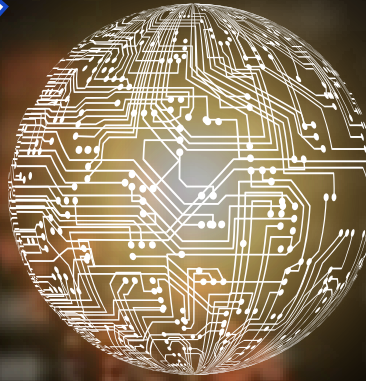
Sean earned his Bachelor of Arts degree (Economics) from the University of Calgary in 2010 while training in flight school, working and training for Skeleton.



Shay Sharma, EIT, PTAC - Session 3

Shay Sharma is a part-time project E.I.T at PTAC. She is passionate about digital technologies and its application across the energy sector. For the past 5 years she has supported SMEs and energy startups with their product market fit and business development.

DIGITAL INNOVATION FORUM



Climate Change Solutions

THANK YOU

Information Request

Phone: (403)-218-7700

Email: info@ptac.org



PTAC

**PETROLEUM
TECHNOLOGY
ALLIANCE
CANADA**