

**NEXT-GEN MARINE  
OFFSHORE TECHNOLOGIES:**  
*Driving Sustainable Solutions for  
Energy Expansion, Efficiency,  
and Emission Reduction*



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Excelerate Energy is changing the way the world accesses clean, affordable, and reliable energy. Our integrated LNG solutions remove the roadblocks that routinely hinder gas and power projects in markets across the globe.

**11**

FSRUs

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# Advanced systems engineering to meet tomorrow's energy needs

We deliver leading-edge advanced systems engineering for all types of offshore structures in the oil and gas and renewable energy sectors. From concept through decommissioning, we combine deep domain expertise with cutting-edge technology to deliver innovative, independent solutions that solve complex challenges, and drive efficiency in design, delivery and operations.



**Oil & Gas**



**Renewables**



**Decarbonisation**





## **NEXT-GEN MARINE OFFSHORE TECHNOLOGIES: Driving Sustainable Solutions for Energy Expansion, Efficiency, and Emission Reduction**

**October 1ST, 2025 (0800 -1700 hrs.) – followed by a networking reception**

**Morning Chair: Jorge Peña Alarcón-** *Director of Data & AI, Microsoft*

**0800 – 0900** Registration and coffee / breakfast

**0900 – 0903** **Welcome Address and Recognition of Sponsors & Key Stakeholders**  
**Dr. Nimi Abili** - *Chairman, IMarEST Houston (US Gulf Coast) Branch*

**0903 – 0905** **Video Greeting from U.S. Senator John Cornyn**  
**Senator John Cornyn**

**0905 – 0915** **Keynote Conference Opening**  
**Professor Stephen de Mora FIMarEST** - *President, IMarEST*

**0915 – 0930** **Keynote Speaker – Energy Expansion in the Global Offshore Industry**  
**Cinnamon Edralin** – *Americas Research Director , RigLogix - Westwood*

**0930 – 0945** **Charting a Course for Alternative Power in the Marine and Offshore Industry**  
**Michael Kei**– *Vice President , Technology, ABS*

**0945 – 1030** **Panel 1 Discussion: New Emission Reduction Technologies Adoption for Marine and Offshore Developments**

### **Panel Discussion**

- Discuss the technology evolution and opportunities to enable emissions reductions to decarbonize the marine and offshore industry.
- Explore the LNG fueled VLCCs which will carry 300,000 tons of crude oil each voyage for the next 2-3 decades, saving some ship carbon emissions.
- Examine the techno-economic implications of transitioning to a low-carbon ecosystem.
- Explore the technical and regulatory barriers that need to be overcome to enable the widespread adoption of alternate fuels, such as safety, availability, cost, and compatibility.
- Recommendations from industry stakeholders and researchers to foster innovation and collaboration on emission reduction.
- Discover how offshore, marine and tech industry are collaborating to innovate in accelerating the adoption of new emission reduction solutions.
- Articulate the benefits of integrated renewable energy technologies with oil & gas offshore facilities to drive low carbon emission across operations.

**Moderator:** **Peter Wallace PE, CEng, CMarEng, FIMarEST**– *Principal Engineer, Lloyds Register*

### **Speakers:**

**Michiel Heuven** – *Vice President, Key Accounts , SBM Offshore*

**Pavan Nimmagadda** – *Hull & Marine Engineering Manager, MODEC International Inc.*

**Oghenekevwe Ovbije** – *Director, Energia Core*

**Charles. N White** – *Chief Marine Engineer (Retired), Fellow (IMarEST & SNAME) and Certified Lead Practitioner of the Society of Decision Professionals.*

**1030 – 1045** **Coffee Break**

**1045 – 1115** **Keynote Speaker - Accelerating the Techno-Economic Growth of Offshore Operations with Disruptive Innovations**  
**Dr. Ram Shenoy**- *CEO, RBR Group*

**1115 – 1130** **Digital Trust in Complex Systems - How to verify trustworthiness over time**  
**Ove Heitmann Hansen**- *Senior Principal - Digital Trust, DNV*



## **1130 – 1230 Panel 2 Discussion: Driving Energy Efficiency Solutions with Digital Technology for Automation of Intelligent Operations**

### **Panel Discussion**

- Explore difference datasets and technology solutions to drive offshore production efficiencies
- Learn from experts who have adopted energy-efficient technologies on assets operations.
- Deliberate on case studies of technologies including renewable energy sources, smart sensors and edge computing are enabling legacy systems to become more efficient.
- Hear from experts in different sectors of industry who will share their insights on leveraging edge analytics, IoT platforms and data analytics for productivity improvement.
- Explore remote operations, leveraging the adoption of robotics, cobots, AI camera, ROV, AUV, and drones, to accelerate emission reduction, efficiency, and productivity of offshore assets.
- Discuss what measures are to be taken to safeguard AI algorithms or models from biases and ethical concerns when implementing digital solutions in critical business operations.
- Enabling innovative solutions to enhance and efficiently manage the techno-economic risk in the design and operation of marine and offshore ecosystems.
- Demonstrate new technology adoptions to advance Drilling, SPS, SPCS, SURF, FPSO and Installations, in enabling value engineering to future-proof life-off field operations and decommissioning of offshore assets.

**Moderator:** **Cosmin Bozenovici** – *Vice President, Global Offshore*

### **Speakers:**

**Dr Bulent Mercan** – *Technical Advisor, 2H Offshore*

**Greg Trostel** – *Global Industry Development Manager, Rockwell Automation*

**Rajni Jaipaul** – *Digital Transformation AI Specialist*

**Ola Drange Veglo** – *Business Development AI & Digital Trust , DNV*

**Dhivakar Poosapadi CEng, CMarEng, FIMarEST** – *Senior Mechanical Engineer, Halliburton*

## **1230 – 1330 Lunch & Tour of Microsoft Technology Innovation Center**

## **1245 – 1300 Keynote Speaker – Decarbonising through Operational Costs Reduction- Aderco's Decarbonisation in fuel savings and CO2 reduction**

**Steven Putnam** - *Managing Director, PEI TECH LLC*

## **1330 – 1700 Afternoon Chair**

**Rajnish Kelkar CEng, FIMarEST** - *Vice Chair, IMarEST Houston (US Gulf Coast) Branch*

## **1330 – 1345 Keynote Speaker - The Value of Immersion: How Technology Can Efficiently and Effectively Build a Skilled Workforce**

**Jennifer Harrison MBA** - *Vice President of Training Solutions, ABS*

## **1345 – 1400 Fostering Innovations in the Offshore Energy and Marine Sectors through Collaboration with Industries and Universities**

**Roger A. Burnison CEng, CMarEng, FIMarEST** - *Director & Consultant Engineer*

## **1400 – 1500 Panel 3 - Discussion - Challenges and Strategies for attracting and retaining the next generation of skilled talents in future-proofing the Marine and Offshore Sectors**

### **Panel Discussion**

- Find out the opportunities and benefits of attracting the next generation of talents in the marine and offshore industry.
- Learn about the challenges of attracting, retaining and advancing career development in the marine offshore, especially with the younger tech savvy generations for resource sustainability.
- Learn best practices and lessons learned from other industries on success stories of managing talents, to drive adoption in the marine offshore strategy to bridge resource gaps.
- Explore digital agents to support and upskilled talents in the Marine and Offshore Industry.
- Find out how industry collaborations with universities can help foster skills acquisition and development.
- Discuss the value of mentorship industry and IMarEST can provide to accelerate carer growth for students, earlier careers and experienced employees in the marine and offshore industry.



- Explore ways to foster cross-sectoral collaboration and innovation among port authorities, shipping companies, terminal operators, and offshore development for young talent attractions.

**Moderator:** **Jacqueline Di Crisci**— *Capital Projects Opportunity Manager, Chevron*

**Speakers:**

**Cameron Worthington-Wilmer** – *Manager - Operational Performance (BI), Excelerate Energy*

**Julie Ingram**— *Director Engineering - Subsea and Floating Facilities, McDermott*

**Chiedozie Ekweribe**— *Capital Projects Opportunity Manager, Chevron*

**Adam Reeves**— *Engineering Training Officer, Texas A&M University*

**1500 – 1515** Coffee Break

**1515 – 1545** **Keynote – Energy Transition 4.0 and 5.0 Enablement to Drive Human Integrations with Digitalization, Automation and Optimization for Sustainability**  
**Julian Moreno** – *Director, Industry Advisor E&R*

**1545 – 1645** **Panel 4 - Presentation – Adopting Big Data Analytic, IoT Sensors, Digital Twin and Generative AI, Cybersecurity to Unlock Value Outcomes for Improved Marine-Offshore Asset Performance**

**Panel Discussion**

- Explore how big data analytics, IoT sensors, digital twin, and generative AI convergence, accelerates productivity and sustainability in the offshore environment.
- Explore ways data-driven insights and generative AI can improve operational efficiency, safety, and resilience on offshore oil & gas operations.
- Learn how we can establish trust and confidence for all stakeholders, by leveraging AI and Digital Twins capabilities to create a secure and reliable digital world.
- Explore how to leverage big data analytics, edge computing, IoT, digital twin, automation and cybersecurity, to optimize monitoring of offshore operations and maintenance.
- Discuss the latest advancements in offshore developments and how generative AI can be leveraged to streamline the design, deployment, and management of systems in the harshest conditions.
- Examine how humans in the decision-making loop constitute a risk between AI/ML/Digital Twins and safety critical systems, and the best practices and engineering solutions for futureproofing the marine and offshore energy sectors.

**Moderator:**

**Rafael Riva**— *Vice President, Client Relations, International Registries, Inc. (IRI) / The Marshall Islands Registry*

**Speakers:**

**Senthil Arcot**— *Digital Transformation Advisor, Azo Global*

**Erik Leung** – *AI Leader & Co-Founder of Amplifai and Simplifai*

**Dr Prabu Parthasarathy**— *Global VP- Strategic Projects, Cognite*

**Dr David Knezevic**— *Chief Scientific Officer, Akselos*

**1645 – 1700** **Summary of the day's proceedings and closing remarks**

**Dr Paul Jukes PhD, CEng, CMarEng, FIMarEST**— *Technical Manager – Pipelines & Flowlines, 2H*

**1700 – 1830** **Post Conference Refreshments and Networking Reception**





**John Cornyn**  
*United States Senator,*

Senator Cornyn's leadership spans across industries in sponsorship of the LEADING Act which incentivizes research and development of carbon capture technology. His work also advances hydrogen infrastructure through the Hydrogen Infrastructure Finance and Innovation Act, Hydrogen for Ports Act, and Hydrogen for Industry Act, all of which demonstrates his commitment to an environmentally sound energy supply, and a compelling vision for a clean and innovative energy future.

Find out more:

<https://www.cornyn.senate.gov/about/>

<https://www.cornyn.senate.gov/key-issues/energy-environment/>



**Professor Stephen de Mora FIMarEST**

*President, IMarEST*

Professor Stephen de Mora CSci CMarSci FRSA FIMarEST is the President of the IMarEST. Educated in chemistry and oceanography, he obtained a BSc from the University College of Swansea and a PhD from UBC, Vancouver. He has taught chemistry, environmental science, and oceanography at universities in the United Kingdom (University of Lancaster), New Zealand (University of Auckland) and Canada (Université de Québec a Rimouski). After a 20 year career in academia, he joined the International Atomic Energy Agency (IAEA) Marine Environment Laboratory in Monaco.

Through the IAEA, he worked with several Regional Seas Programmes and Global Environment Facility (GEF) projects around the world. Steve was awarded a Distinguished Service Award in the year that the IAEA was a co-recipient of the Nobel Prize in 2005. Before returning to the UK to take up the position at Plymouth Marine Laboratory (PML) in 2008, he had established an environmental consultancy based in

Canada working for various UN bodies and the World Bank on assignment mostly in Eastern Europe, Western Asia and Central Africa. Steve has retired as the Chief Executive of both the Plymouth Marine Laboratory and PML Applications Ltd and now works as an independent environmental consultant.



**Dr. Nimi Abili PhD, MBA, CEng, CMarEng, FIMarEST**

*Chairman and Chief Energy Adviser, IMarEST Houston (US Gulf Coast) Branch*

Dr. Abili is an Internationally Experienced Chief Technology Officer, Energy Transition Leader, Digital Technology Strategist and Management Advisor, accomplished in operating commercially within the Energy, Marine and Digital industry. He is a dynamic and proactive Energy Transition Adviser and Engineering Project Consultant, who excels at developing low carbon solutions to accelerate clean energy adoptions and commercial evaluations, with more than 2 decades of leadership experience on project value drivers across the value chain. Prowess in minimizing project costs while delivering results in advance of scheduled deadlines. Dr. Abili is actively involved in decarbonization projects, new energies, offshore & Onshore renewable wind, deepwater field developments, intelligent operations, cutting-edge green technology innovations, value engineering, digital and techno-economic enablement, strategic business development, financial risk management, policy formulations, and management of multi-disciplinary teams in the Energy Industry. Throughout his career, he has overseen the completion of multiple CAPEX projects valued at over \$12 billion in growth opportunities and cash flow.

Dr. Abili holds a PhD in Energy & Power and MSc in Subsea Engineering from a prestigious school at Cranfield University, England; an MBA in Energy at Middlesex University London, England; and a BEng in Electronic & Electrical Engineering (Hons) at the University of Sunderland, England. He has working experience with Major IOCs, including Shell, Eni International, Schlumberger, and top management consulting, as a Chief Advisor, covering several Oil & Gas, FPSO, Offshore Renewables, CCUS, hydrogen, Smart Grid, LNG and FLNG development projects, etc. Dr. Abili is well-travelled internationally on energy development projects with regional executive experiences across UKCS, Norway, Germany, Italy, France, Americas, Southeast Asia, and Sub-Saharan Africa (East & West Africa), particularly on Greenfield, Brownfield, Marginal field developments in onshore and offshore energy assets, and digital enablement across the enterprise ecosystems.

Dr. Abili is the Chairman of IMarEST Houston (US Gulf Coast) Branch and Offshore Oil & Gas Special Interest Group (OOGSIG). He is a Chartered Engineer (CEng), Chartered Marine Engineer (CMarEng) and a Fellow of the Institute of Marine, Engineering, Science and Technology (IMarEST). Dr Abili is a Council Member, Board of Trustee & Membership Committee with the IMarEST UK, charged with governance, leadership, assessment of membership, Chartered Engineers, Chartered Scientists and Fellows through the Institute's Royal Charter, the UK Engineering and Science Council. He has published several international journals and made major international oil and gas conference presentations, such as in Offshore Technology Conference (OTC), International Petroleum Technology Conference (IPTC), Deep Offshore Technology (DOT) International Conference, Offshore West Africa (OWA) Conference and Subsea UK, as a Thought-Leader and Speaker, where he bagged 3 international industrial 'Best Awards', and has been a reviewer for top international journals, including Journal of Marine Engineering & Technology (JMET) of the IMarEST. Dr. Abili has a passion for executive coaching, mentorship, and distinctive leadership development with transferable skills.





## **Roger A. Burnison CEng. CMarEng. FIMarEST**

*Director & Consultant Engineer*

Joined the Institute in 1968. Spent the first years in the development and maintenance of hull automation systems aboard a wide range of vessel types – oil and product tankers, stability systems for Mobile Offshore Drilling Units (MODU's) and FPSO's (hull and turret controls).

He lived in Spain for 14 years as well as working in Europe, Japan, South Korea and Singapore.

In 1996 he and the family moved to Venezuela. There he established an oilfield measurement services company which eventually led to a 4 year stay in Brazil as Project Director of major upgrade offshore measurement projects - completed in 2008.

Since 2010 he has been resident in Houston, Texas providing professional engineering consultancy services. Several years were devoted to the on-going development of guidelines covering the fiscal measurement of liquid and gaseous hydrocarbons before accepting, in 2017, an appointment at Cameron Schlumberger to provide high level measurement consultancy.

Upon the formation of the SLB/Rockwell Automation joint venture company Sensia LLC in October 2019 he was responsible for the delivery of Intelligent Measurement Solutions, prior to retiring in January 2024.

Roger remains an active member of IMarEST & Secretary of the Oil & Gas Special Interest Group (OOGSIG). He also participates in API Committee on Petroleum Measurement

He was appointed Honorary British Consul, San Cristobal, Venezuela, between 1998-2012.



## **Cinnamon Edralin**

*Americas Research Director , RigLogix - Westwood*

Cinnamon is Americas Research Director for RigLogix and has been covering the offshore rig market since 2006. She began her career with ODS-Petrodata, which was acquired by IHS (later becoming IHS Markit), where she managed the Americas offshore rig team, along with the Americas marine team and the US/Canada land rig team. Cinnamon then moved to Esgian, where she helped raise brand awareness for offshore rig services, along with supporting offshore wind. She joined Westwood in 2023 and provides support for the subsea team in addition to her rig analyst duties. Cinnamon holds a BA in Liberal Arts from the University of St. Thomas in Houston, Texas.



## **Michael Kei**

*Vice President , Technology, ABS*

Michael Kei serves as Vice President of Technology at ABS based in Houston, Texas. In this role, he leads the strategic direction and execution of technological initiatives across the Americas, ensuring alignment with ABS's mission to advance safety and innovation in the marine and offshore industries. He is responsible for overseeing the development, approval and maintenance of technical products and services, while establishing consistent technology standards throughout the organization.

With 2 decades of experience at ABS, Michael has contributed to a broad spectrum of marine and offshore new construction projects. His work spans classification support, rule development, technical committee participation and identifying research and development priorities. He also plays a key role in business development, helping ABS stay at the forefront of industry transformation.

Michael holds a Bachelor of Engineering in Civil Engineering from the National University of Singapore (NUS) and his Master of Science in Offshore Engineering from Nanyang Technological University (NTU). He is a registered Chartered Engineer and Chartered Marine Engineer, recognized for his technical leadership and commitment to advancing sustainable and resilient maritime technologies.



# Keynote Speakers

## **Dr Ram Shenoy**

*CEO, RBR Group*

Ram Shenoy has 24 years experience in upstream oil & gas, holding a variety of roles around technology development, management and marketing.

He spent 20 years with Schlumberger, starting as a research scientist, and completed a series of assignments of increasing responsibility, culminating in his last position with Schlumberger as Vice-President of Research, managing Schlumberger global corporate research laboratories.

He subsequently became Chief Technology Officer of ConocoPhillips, a position he held for 4 years. He currently advises venture capital and private equity companies on matters of technology strategy and due diligence in the energy sector. He also serves on a number of advisory boards, most notably the US Secretary of Energy Advisory Board, and the Project

Production Institute.

## **Dr Paul Jukes PhD, CEng, CMarEng, FIMarEST**

*Technical Manager – Pipelines & Flowlines, 2H*

Obtained a Honours Degree in Mechanical and Structural Engineering (BEng Hons), a Masters in Business Administration (MBA) and a Doctorate in Structural Engineering (PhD).

Over 25 years of experience in the Oil & Gas industry. Previously the Group Managing Director for MCS Kenny, a Division of wood (formerly Wood Group). Currently the Director of Engineering for Pond & Co. in Houston.

Joined the IMarEST as a Graduate Member in 1998, Member and a Chartered Engineer in 1999, and became a Fellow in 2005. Honorary Secretary for the South East England Branch (SEE) of IMarEST (1999-2005) and Chairman for the 'IMarEST Young Members Network' (2005). Past Regional Co-ordinator for the Young Marine Professional (YMP) (1999-2002), and judge for the SET Awards (2003-2005). Previously Chairman of the Houston Gulf Coast

Branch (2006 – 2012). Council Member (2010-2013). Board of Trustees (2007-2012). Obtained President' Commendation Award in 2006.

Coauthor of the 'Encyclopedia of Maritime and Offshore Engineering' jointly with Carlton, J., and Sang Y, Wiley Books, March 2018.

## **Jennifer Harrison MBA**

*Vice President of Training Solutions, ABS*

Jennifer Harrison's career in the maritime industry spans nearly 30 years, with more than two decades spent working with ABS. She served in various capacities in software consulting, business development, marketing, public relations and training. During her time in the learning technology development space, Jennifer spearheaded ABS' first learning management system and in-house development team.

Since 2022, Jennifer has overseen the technical training development function for employees, including delivering programs at ABS Academies in Houston, Shanghai, Singapore, Busan, Doha and Athens. In October 2024, Jennifer took on the role of Vice President of Training Solutions, focusing on developing a training business line to assist ABS clients in upskilling their shoreside and shipboard personnel to comply with new technologies and regulations.

Before her tenure at ABS, Jennifer was a personnel manager for an FPSO management company, and crew purser with Royal Caribbean Cruise Lines. Her hands-on experience on cruise ships fueled her passion for the maritime industry and her love for cruising remains strong.

Jennifer holds a Bachelor of Arts in Organizational Psychology from the University of Houston, a Master of Human Resource Development from Indiana State University and a Master of Business Administration from Texas A&M University.





## **Ove Heitmann Hansen**

*Senior Principal - Digital Trust, DNV*

Ove Heitmann Hansen has more than 35 years of experience in leadership, strategy development, change management, stakeholder management and integrated & remote operations. Ove is Senior Principal Digital Trust for DNV, where he focuses on automated and autonomous operations, utilizing Digital Twin solutions, Industry 4.0 solutions and automated requirements verification by using a common digital language (ontology).

Ove has published a variety of articles and papers, most recently on topics such as Digital Twins and Artificial Intelligence. Ove holds Masters degrees in Industrial Economics and Change Management and has served in the Royal Norwegian Navy.



## **Julian Moreno**

*Director, Industry Advisor E&R*

Julian Moreno is a strategic Principal Product Manager and Senior Industry Advisor from Venezuela with almost three decades of experience leading digital transformation in the Energy and Resources sector. At Microsoft, he drives data and AI innovation, specializing in Agentic AI to help organizations unlock intelligent automation and scalable insights. Julian has held leadership roles across the world at EPAM Systems and SLB, where he launched pioneering SaaS products, authored multiple patents, and built high-performing global teams. His expertise spans product management, cloud platforms, and AI-driven data strategies, with deep involvement in the OSDU™ data platform and Azure Data Manager for Energy. Bilingual in English and Spanish, Julian is known for blending technical depth with business acumen to deliver impactful, future-ready solutions.



## **Rajnish Kelkar CEng, FIMarEST**

*Vice Chair, IMarEST Houston (US Gulf Coast) Branch*

Rajnish Kelkar is a Houston, TX based Maritime executive. He has international experience in management, operations, assurance and safety roles in Oil, Gas, Energy and Maritime industries. He is currently the Global lead for Environmental, Energy and Regulatory Programs at Excelerate Energy, Texas, USA, where he is engaged in various new FSRU terminal development projects and in managing environmental, energy management & global maritime regulatory compliance programs and initiatives in the FSRU fleet and Regas Terminals. Prior to this he was the Marine Projects Manager for the Jordan Cove LNG Marine export terminal in Coos Bay Oregon. His main accountabilities were to lead the marine team and manage the JCLNG project marine interfaces and budget by working with the EPC contractor, the local, National & International stakeholders, Government Agencies, LNGC Owners/Operators, and other contactors.

After completing his Marine Engineering training at the Indian Maritime University, Rajnish served on large ocean going tankers, initially with Chevron Shipping Corporation, USA before joining Vancouver based Teekay Shipping Ltd., where he rose to the rank of a Chief Engineer. In his career till 2009 with Teekay, he also served in various management roles ashore in Teekay's Vancouver (Canada) based headquarters. During this time, he was accountable for Fleet Performance Management, Maintenance Management, Condition, Risk and Reliability Improvement programs, Maritime Safety and Legislation, Oil Spill and Emergency Response and various Safety, Quality and Environmental programs, projects, and budgets for a fleet of over 150 vessels (oil, product, and LNG).

From 2009 to 2016 Rajnish was the Director, Maritime and Global Shipping HSSE, Asset Integrity and Risk Management at BG Group in Houston, TX. In this role he was the Functional Head of Maritime, HSSE, and process safety disciplines, with an accountability to provide leadership, SME input and assurance for all maritime activity across BG Group globally. This role spanned over marine operations in 10 different BG locations, projects and countries and covered ~150 different sites/assets including 28 LNG Carriers, 8 terminals, 10 oil and DP Shuttle tankers, 100+ offshore vessels including LSVs and tugs/barges. Rajnish is a Chartered Engineer and holds a Class 1 Marine Engineering Officer international license equivalent to a BS degree in Marine Engineering. He is a Fellow of the Institute of Marine Engineering, Science and Technology (FIMarEST-UK) and the Vice Chair of its US Gulf Coast Branch. He is also a Fellow of the Institution of Engineers (FIE) and holds a bachelor's degree in economics and a master's in business administration (project management) from the Henley Business School, Oxfordshire, UK.

His passions outside of work include travel, raising funds for local charities, theatre, and music.



# Keynote Speakers



## **Jorge Peña Alarcón**

*Director of Data & AI, Microsoft*

As a visionary leader in the realm of Data & Artificial Intelligence (AI), Jorge Peña Alarcón stands at the forefront of innovation at Microsoft. As the Director of Data & AI, Jorge's expertise in engineering and operations is pivotal in leading organizations in adopting and transitioning to cloud native digital platforms. His strategic approach integrates data analytics and artificial intelligence to enhance business value, particularly within the Energy sector.

Jorge's leadership is characterized by a relentless pursuit of excellence and a commitment to driving tangible business outcomes for executive clients. His experience spans over a decade in technology and energy operations, with a rich background in Aerospace, Oil and Gas, Mining, and Utilities industries. His proficiency in enterprise software development, sales, go-to-market strategies, and business development has been instrumental across various vertical markets.

A specialist in IT-OT convergence and Automation Industries, Jorge's academic foundation in Aerospace Engineering, with a concentration on Advanced Analytics and Propulsion Engines from The University of Michigan, Ann Arbor, MI, USA, empowers him to innovate in digital transformation initiatives with a unique blend of technical acumen, industry insight, and unwavering focus on achieving operational excellence.



## **Steven Putnam**

*Managing Director, PEI TECH LLC*

Steven holds a Marine Engineering degree from Massachusetts Maritime Academy and a Master of Business Administration from Pepperdine University. Steven is Managing Director of PEI TECH LLC serving the global maritime, cruise, offshore and government services industries providing Aderco Advanced Fuel Treatment Solutions, Carbonex EU ETS Trading Management & FuelEU Maritime Services, and GT Wing Wind Propulsion Systems. His background includes USCG Unlimited Licensed Engineering Officer, US Naval Reserve Officer, and ten years working onboard LNG tankers, containerships and bulk carriers. For the past twenty years he has held executive leadership positions on the commercial side of the industry in sales, marketing and technical services. Steven is active in industry associations, including past President of the Houston Propeller Club Houston, CIMAC, Green Marine, and Connecticut Maritime Association. In his free time, he enjoys golfing, biking, and sailing.

# Speakers/Moderators/Panelists



## **Dhivakar Poosapadi CEng, CMarEng, FIMarEST**

*Senior Mechanical Engineer, Halliburton*

Dhivakar Poosapadi has over 16 years of experience in the design, development, testing, installation, and commissioning of drilling equipment, subsea completion systems, well access systems, subsea drilling systems, advanced sealing and control systems, and riser gas handling systems. He has held various positions at Keppel Offshore and Marine Technology (Singapore), TechnipFMC, Managed Pressure Operations (a part of Aker Solutions), AFGlobal Corporation, and is currently contracted to Halliburton through Quest Global Services North America. Additionally, he is involved in Front End Engineering and Design (FEED) for EPCIC projects, covering areas such as planning, budget control, tendering/costing processes, resource management, manufacturing planning, and inspection.

He earned a Master of Science in Mechanical Engineering (Smart Product Design) from Nanyang Technological University, Singapore. Dhivakar holds a patent in FPSO offloading systems and has reviewed several conference papers, including those for the Offshore Technology Conference, Society of Petroleum Engineers, American Association of Drilling Engineers, and One Petro. He has been instrumental in developing innovative products that have received multiple prestigious awards, including the 30th Annual Woelfel Best Mechanical Engineering Achievement Award from ASME and Hart's Meritorious Engineering Awards for enhancing the safety and efficiency of drilling and completion equipment.





## **Chiedozie Ekweribe**

*Capital Projects Opportunity Manager, Chevron*

Chiedozie Ekweribe is a Capital Projects Opportunity Manager at Chevron, where he leads the shaping of new exploration and business development initiatives across global upstream portfolios. With over 17 years of experience in the energy industry, he has successfully managed complex projects and teams across onshore, offshore, and technology domains. In his previous role as Strategic Advisor to the President of Chevron's Americas Region, he helped shape performance and investment strategies for key business units, advanced deepwater asset class technologies, and drove lower-carbon outcomes across operating assets.

Dozie is also a long-standing advocate for engineering talent development, having spent over 13 years recruiting top technical talent from strategic universities and mentoring early-career professionals. He holds master's degrees in Chemical Engineering from Gubkin Russian State University of Oil and Gas and in Petroleum Engineering from the University of Oklahoma. Outside of work, he enjoys playing tennis, reading, and spending quality time with his wife and three children.



## **Julie Ingram**

*Director Engineering - Subsea and Floating Facilities, McDermott*

Julie Ingram has worked in the offshore oil and gas industry for over 20 years. She started her career at Technip (now TechnipFMC) where she served in various technical, commercial and management roles, gaining experience in both shallow and deepwater before moving into a consulting role for Alpha Petroleum providing support for Operators for subsea tiebacks and new field developments. Julie then spent 4 years at Texas A&M University where she served as the Director of the Subsea Engineering Program in the College of Engineering and taught Subsea Project Implementation, Subsea Riser Design and Subsea Pipeline Design to graduate students. Julie also served as the Subsea Tieback Advisory Board academic member in her last year at TAMU. In her current role, Julie is the Director of Engineering for Subsea and Floating Facilities, with a global focus. She also serves as McDermott's Technical Authority for Flexible Pipe. Julie received her BS degree in Mechanical Engineering from The University of Texas at Austin and her MS in Mechanical Engineering from The University of Houston.



## **Rajni Jaipaul**

*Digital Transformation AI Specialist*

Rajni Jaipaul is an accomplished AI enthusiast and program manager with over 20 years of experience leading multimillion-dollar technology transformation initiatives across diverse industries. Rajni specializes in identifying and implementing AI solutions that drive measurable operational excellence. With an MBA from UT Austin's McCombs School of Business and extensive experience at leading organizations including Dell, Accenture, and Fiserv, Rajni brings a unique perspective to AI implementation strategy. His background spans supply chain optimization, revenue cycle management, and complex systems integration—giving him deep insight into the operational challenges that AI can solve across industries.

Rajni has developed practical frameworks for helping organizations navigate the transition from traditional workflows to intelligent, automated systems. His "3 Rs Framework" for identifying AI opportunities focuses on Repeatable processes, Resource-intensive tasks, and Rule-based operations—a systematic approach that has helped teams uncover high-impact use cases while

building sustainable AI programs through incremental wins.

Rajni is passionate about bridging the gap between AI technology and real-world business value. He specializes in helping organizations prioritize AI investments based on cost impact, accuracy improvements, and productivity gains, ensuring that digital transformation initiatives deliver tangible results rather than just technological novelty.



## **Ola Drange Veglo**

*Business Development AI & Digital Trust , DNV*

Ola Drange Veglo is a naval architect with a background in maritime consulting at DNV. In recent years, his work has focused on venture development and the application of artificial intelligence within the maritime domain. Combining technical domain knowledge with experience in innovation and digitalization, Ola works at the interface of emerging technologies and practical industry needs, with a particular interest in the evolving role of intelligent systems in shipping and offshore operations.





## **Dr David Knezevic**

*Chief Scientific Officer , Akselos*

Dr. David Knezevic is the Chief Scientific Officer at Akselos, overseeing the company's scientific strategy and innovation. A Rhodes Scholar with a Ph.D. from the University of Oxford, he conducted postdoctoral research at MIT and later lectured at Harvard University. David has also published 17 peer-reviewed papers and co-authored a foundational patent in computational engineering.



## **Erik Leung**

*AI Leader & Co-Founder of Amplifai and Simplifai*

Erik Leung is a seasoned AI leader and co-founder of Amplifai and Simplifai, with over 20 years of experience turning AI into business results. He has led the development of enterprise-ready AI platforms—most notably Simplifai's no-code Digital Employees—used to automate millions of tasks across industries. Erik is a trusted advisor to senior leaders on AI adoption, with deep expertise in data strategy, change management, and scaling AI solutions from pilot to production. A thought leader in operationalizing AI, Erik frequently publishes and holds talks on AI adoption.



## **Dr Bulent Mercan**

*Technical Advisor, 2H Offshore*

Bulent Mercan currently serves as a technical advisor for 2H Offshore in Houston. He has more than ten years of industry experience in the analysis, design, and integrity monitoring of structural systems for offshore oil, gas and renewable assets. His responsibilities include project management, technical sales, and technology development. He holds a PhD in Civil/Structural Engineering from the University of Minnesota and a Professional Engineer Licence in Texas.

Bulent also serves as a part-time senior lecturer at the University of Houston. He has more than eight years of teaching experience at the UH. He teaches undergraduate and graduate level courses in the Civil Engineering Department.



## **Michiel Heuven**

*Vice President, Key Accounts , SBM Offshore*

Michiel Heuven is Vice President, Key Accounts at SBM Offshore. He joined SBM Offshore in 2011 as Project Manager where he acquired experience in international projects. In 2015 he then took roles in Operations Readiness and Operations Management and in 2018 he was appointed Head of Operations North America & Guyana. He then moved to Commercial management in 2022 where he held positions as Global Operations Commercial Manager and VP Business Development. Michiel has over 25 years of experience in the Energy industry, having held positions for SBM offshore in the US, Singapore and Nova Scotia, Canada.

Prior to being at SBM, he worked at various Keppel shipyards around the world managing large oil and gas construction projects. Michiel has a degree in Naval Architecture from Hogeschool Inholland, Netherlands.





## **Pavan Nimmagadda**

*Hull & Marine Engineering Manager, MODEC International Inc.*

Mechanical Engineer with 13 years experience in the offshore oil and gas industry. Core expertise includes Hull and marine design for FPSO's/FSO/FLNG's projects. Familiar with all major CLASS, IMO, OCIMF rules, NFPA and API standards for offshore facilities. Worked on 25+ FPSO proposals/ projects at various stages not limited to concept selection, Pre-FEED, FEED and EPCI. Worked on 2 New build hull developments and multiple conversion projects. Hands on experience in interfacing with shipyard commercial and contract execution such as Bid strategy, SOW definition, commercial evaluation etc.

Certified subsea engineer with knowledge of Subsea Risers, Flowlines and Flow assurance. Familiar with on vessel SURF interface systems such as riser pull-in and Mooring systems.



## **Oghenekevwe Ovbije**

*Director, Energia Core*

Oghenekevwe Ovbije is Director, Energy Business at Energia Core. She has over 15 years of international experience in the energy industry, having worked across Africa, Asia, the Middle East, and North America. Her background spans oil and gas production systems, energy operations, and infrastructure advisory. She began her career in oilfield operations, managing artificial lift installations across frontier and mature basins. At Baker Hughes, she progressed into leadership roles, overseeing field operations and capital projects for both offshore and onshore assets. She later served as a consultant at Wood Mackenzie, advising global clients on infrastructure resilience, post-M&A integration, and energy investment strategies.

Oghenekevwe holds an MBA from the Massachusetts Institute of Technology (MIT), an MSc in Oil & Gas Engineering from the University of Aberdeen, and a B.Eng. in Chemical Engineering from Igbiniedion University Okada. She holds additional professional certifications in sustainability, digital product management and has completed the Certified GeoExchange Designer course.



## **Dr. Prabu Parthasarathy**

*Global VP - Strategic Projects, Cognite*

As the Global VP - Strategic Projects at Cognite, I help combine domain expertise and digital technology to help clients across upstream and midstream industries harness the power of data and AI to optimize their operations, reduce emissions, and enhance safety. With over 20 years of international experience in the Oil and Gas sector, I have a deep understanding of the technical and business challenges that our clients face, and how to deliver value by combining domain knowledge with digital technologies. Before joining Cognite, I was the VP of Intelligent Operations at Wood Group, where I oversaw a global business line that provided advanced technology solutions to the process industry.



## **Cosmin Bozenovici**

*Vice President, Global Offshore*

Mr. Bozenovici joined IRI in April 2018. Based in Houston, Mr. Bozenovici is responsible for business development in the offshore sector and oversees the technical service and support functions for Republic of the Marshall Islands-flagged offshore vessels around the world. Prior to joining IRI, Mr. Bozenovici spent seven years with Noble Corporation, which owns and operates a technologically advanced fleet in the offshore drilling sector. As their Lead Naval Architect and Project Manager, Mr. Bozenovici's team was responsible for engineering and project support of the entire existing fleet, four new ultra-deepwater drillships, and six latest generation jack-up units. Prior to working with Noble Corporation, he spent five years with American Bureau of Shipping in various marine surveying and engineering roles in Houston, Rio de Janeiro, and Singapore. Mr. Bozenovici earned an M.B.A. from Temple University and a B.S. in Naval Architecture and Marine Engineering from the University of New Orleans.





## Rafael Riva

*Vice President, Client Relations, International Registries, Inc. (IRI) / The Marshall Islands Registry*

Mr. Riva joined IRI's Houston office in January 2023 as Vice President, Client Relations. Prior to joining IRI, he spent nearly 19 years with Lloyd's Register (LR) in a variety of management, business development, and technical roles. Mr. Riva specialized in LNG and LPG and moved around the world to support LR's strategic interests and business development, including positions in London, Shanghai, and New York. In 2020, he was promoted to Vice President of Commercial Operations Americas, where he oversaw activities of all commercial teams in the Americas, including several projects with Offshore Wind and Gas. Mr. Riva holds an MSc in Naval Architecture from Spain's Technical University of Madrid and has studied at the Technical University of Denmark. He is also a qualified Chartered Engineer, a member of the Royal Institution of Naval Architects, the Spanish Association of Naval Architects, and The Society of Naval Architects and Marine Engineers (SNAME)..



## Greg Trostel

*Global Industry Development Manager, Rockwell Automation*

Greg has over thirty years of experience in the energy industries and is currently a global industry development manager for Rockwell Automation, leading the Floating Production Initiative for both Rockwell and Sensia.

Greg started his career as a coop student with MW Kellogg based in Houston, and spent a combined 13 years with Kellogg/KBR in several engineering disciplines before moving into international sales. His time there was marked by several international assignments with a focus on joint venture partner development.

Greg also spent significant time in technology & software development within the industry, which include sales development work at Aspen, AVEVA, Meridium and PAS.

Before joining Rockwell, Greg was involved in global project pursuit and strategic account management with Puffer/Emerson, including an international assignment covering the Middle

East / Africa world area. Greg has a Chemical Engineering degree from Texas A&M University and an MBA from the University of Houston.



## Charles. N White

*Chief Marine Engineer (Retired), Fellow (IMarEST & SNAME) and Certified Lead Practitioner of the Society of Decision Professionals.*

Charles, Maringineering's Senior Advisor since 2016, is co-founder of both Frontier Deepwater Appraisal Solutions LLC and ezNG Solutions LLC. He is a Naval Architect (UMich'75) with a Mechanical Engineering Masters (UHou'83) who has served as SNAME's regional chairman. He worked for major oil companies for over 20yrs as a project manager and deepwater technology leader. Since 2000, he has worked primarily on deepwater and natural gas industry projects and technology development. In 2010, Charles managed creation of the Compliance Division within West Engineering, developing tools and providing certification for deepwater MODUs enabling drilling operations to restart in the US Gulf of Mexico after the Macondo disaster. Before joining Poten & Partners (the world's largest LNG consultancy) as a Senior Advisor in 2014, he served as Lead Engineer for detail design of the world's deepest tension-leg platforms installed for Petrobras in waters >2000m deep off Brazil and as Global Director of Enhanced Field Development Services for Worley (INTECSEA).

He has led multiple large joint industry projects as well as the API global task forces in writing the FPS and riser design RPs. He co-chaired creation of the first probabilistic riser design code and helped ABS, DNV, and BV write codes for shipping pressurized gas cargos. He has written many technical papers and has been awarded numerous US & international patents.



## Jacqueline Di Crisci

*Capital Projects Opportunity Manager, Chevron*

Jacqui Di Crisci is an Opportunity Manager within Chevron's Capital Projects group, overseeing new business investments for Nigeria and Mid Africa. Jacqui has over 20 years energy industry experience having held various roles of increasing responsibility in engineering, project delivery, business /commercial and management, across multiple regions; UK, Nigeria, Angola and North America. She has a bachelor's degree in Chemical Engineering from the University of Bradford and a master's degree in Subsea Engineering from Cranfield University, both in the UK. She also earned a Global Executive MBA from Instituto de Empress (IE) in Spain, renowned for its focus on innovation and leadership.

Jacqui currently serves as an Executive Board member for the Institute of Marine Engineering and Science and Technology (IMarEST) for the Gulf Coast Branch. In her spare time, she enjoys spending time with her husband and two sons, baking, watching movies, and travelling. She has also recently become an avid artist and painter.



# Speakers/Moderators/Panelists



## **Peter Wallace PE, CEng, CMarEng, FIMarEST**

*Principal Engineer, Lloyds Register*

Peter Wallace, PE, CEng, CMarEng is Principal Engineer in the Maritime Performance Services--Applied Technology Group of Lloyd's Register, based in Houston Texas. He is a practicing naval architect working in the technology development, risk, and regulatory spaces in maritime and offshore in such topics as decarbonization, dynamic positioning, and structural digital twins. Peter holds a BSc in naval architecture and marine engineering from Webb Institute of Naval Architecture and an MBA from Tulane University. Peter is a Member of Corporation at Woods Hole Oceanographic Institution and an Executive Committee member of the IMarEST Gulf Coast Branch.

## **Adam Reeves**

*Engineering Training Officer, Texas A&M University*

With over 15 years of experience in the maritime industry, I am passionate about sharing my knowledge and skills with the next generation of marine engineers and professionals. I have a strong background in hydrocarbon measurement, marine transportation, and shipboard systems, and I hold multiple certifications from the US Coast Guard. As an Engineering Training Officer at Texas A&M University Galveston Campus, I create and deliver engaging lecture and lab material for 2nd and 4th year cadets on various topics, such as oily water separators, steering gear, marine sanitation devices, and refrigeration. I also collaborate with other instructors and staff to ensure a safe and effective learning environment for the cadets.

Additionally, I have extensive experience as a Hydrocarbon Measurement Analyst at ExxonMobil, where I performed global marine transportation loss analysis, provided technical guidance to the oil loss claims group, and served as a voting member and chairman of the API Committee on Measurement Accountability. I have also received the New Member Impact Award from the API for my significant contributions to the petroleum measurement standards and practices.



API Committee on Measurement Accountability. I have also received the New Member Impact Award from the API for my significant contributions to the petroleum measurement standards and practices.



## **Senthil Arcot**

*Digital Transformation Advisor, Azo Global*

With more than 20 years of experience transforming business strategies into results-driven enterprise solutions, Senthil Arcot has proven track record modernizing energy industry operations through fit-for-purpose, next-generation technologies. His career bridges strategy and execution—bringing innovative, scalable systems to complex production operational landscapes.

Arcot has led digital transformation initiatives across the energy sector, aligning stakeholders, justifying investments, and delivering solutions that unlock measurable business value. From program and change management to technical advisory roles, he brings a cross-functional, end-to-end view to every engagement.

As Managing Director at Azo Global, he spearheaded multiple intelligent energy projects for various oil production companies that redefined digital capabilities in upstream operations

and he has led the evolution of legacy engineering software into cloud-based platforms.

By integrating automation, analytics, and stakeholder alignment, Arcot consistently drives breakthrough performance—from production optimization and tank management to surveillance and field development planning.

## **Cameron Worthington-Wilmer**

*Manager - Operational Performance (BI), Excelebrate Energy*

Cameron Worthington-Wilmer is a mechanical engineer specializing in vessel and operational performance within the energy industry. With a strong background in analytics and business intelligence, he drives digitalization efforts to enhance efficiency, sustainability, and decision-making in marine operations.

Cameron is dedicated to providing greater visibility into operations through data, leveraging advanced analytics to uncover insights that drive performance improvements. By integrating digital tools and real-time monitoring, he aims to help transform his organization into a truly data-driven enterprise, where decision-making is proactive, efficient, and aligned with future industry demands.





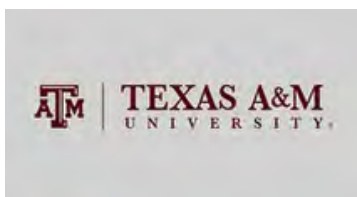
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