

Onshore Petroleum Technology Conference (OPTC) 2021

Schedule at a Glance

Monday, September 27, 2021

EDT	CDT	Session Title	Speaker/Presenter
9:30AM to 11:00AM	8:30AM to 10:00AM	<p><u>Conference Opening & Welcome</u></p> <p>Hear from the ASME Leadership as well as the Conference Chair, Technical Program Chairs warm words of welcome to the inaugural Onshore Petroleum Technology Conference (OPTC)!</p>	<p>Tom Costabile, ASME CEO</p> <p>Kyle Richter, Conference Chair</p> <p>Ray Rui, Technial Program Co-Chair</p> <p>Phani Kondapi, Technical Program Co-Chair</p>
		<p><u>Plenary: Innovation in Oil & Gas – Embracing New Challenges</u></p> <p>While it's true that the Oil & Gas industry is always challenged by some of the toughest physical and political environments, the industry continues to Innovate as it prepares itself to play a major role in the global Energy Transition. Market volatility, demand uncertainty and stringent environmental, social and governance compliance requirements are all driving forces that propel the need for Agility, Technology and Innovation in this sector.</p> <p>Shareholder driven capital discipline among Oil & Gas companies is now stronger than ever, and it has made it harder for companies to make high investments in fields like Digitalization, Emerging Technologies, Automation, Subsurface Imaging, IOT, Artificial Intelligence, ESG, and other areas that may be considered high risk. The Onshore sector however has been the quick test bench for the industry to test out technologies prior to implementing something across various levels of an enterprise.</p> <p>Our panelists are the Oil & Gas industry veterans and experts in all things Operations, Technology and Digitalization across the entire value stream of Onshore Oil & Gas. They are going to share some valuable insights from their organizations on how they have steered Innovation against the challenging headwinds that the industry has faced in the recent years and where they see future opportunities for Innovation in our industry. Industry and Academic participants will gain valuable insights that will help prioritize their focus- whether commercial or research related.</p>	<p>Richard Lynch, VP Technology, Hess Corp</p> <p>Kevin McHanon, GM US Shales, Shell</p> <p>Yanni Charalambous, CIO, Oxy</p>

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11:00AM to 11:30AM	10:00AM to 10:30AM	<i>Meet the Speaker Networking Session</i>	
11:30AM to 1:00PM	10:30AM to 12:00PM	<p><u>TechnipFMC Track: Frac & Facilities</u></p> <p>TechnipFMC is transforming the onshore petroleum market with breakthrough technologies that reduce costs and greenhouse gas emissions. Through digital innovations and lean engineering and design principles, TechnipFMC has developed 2 automated ecosystems: iComplete for hydraulic fracturing and iProduction for production facilities. Learn more on how TechnipFMC is implementing automation in these three sessions.</p>	<p>Laurent Pagnon, Vice President of Digital & New Business Ventures, TechnipFMC</p> <p>Stephen Delancey, Completions Sales Manager, TechnipFMC</p> <p>William Melton, Sales Director – North America MPS, TechnipFMC</p>
1:00PM to 2:30PM	12:00PM to 1:30PM	Mid-day Break	
2:30PM to 2:00PM	1:30PM to 3:00PM	<p><u>Texas Roundup</u></p> <p>This session is jam packed with topics specific to Texas from Government, Regulatory and Industry. You won't want to miss this!</p>	<p>Jon Rosenthal, Texas Representative</p> <p>Christi Craddick, Texas Rail Road Commissioner</p> <p>Sean Strawbridge, CEO, Port of Corpus Christi</p>
4:00PM to 4:30PM	3:00PM to 3:30PM	<i>Topical Networking Break (Topics: Current state of the industry, Facilities)</i>	
4:30PM to 6:00PM	3:30PM to 5:00PM	<p><u>Oil and Gas: Where we've been and where we're going</u></p> <p>We will close out the first day with commentary from two well known industry spokesmen. Tune in for what should be a lively discussion!</p> <p>Day 1 Closing Remarks</p>	<p>Mark LaCour, Oil and Gas Expert, Professional Speaker and Podcaster</p> <p>Mark Rossano, Founder and CEO, C6 Capital Holdings LLC</p> <p>Kyle Richter, Conference Chair</p>

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Tuesday, September 28, 2021

EDT	CDT	Session Title	Speaker/Presenter
9:00AM to 9:45AM	8:00AM to 8:45AM	<p><u>Keynote: Navigating Energy Transition: Our journey toward a lower carbon future</u></p> <p>A number of oil and gas companies have already set net-zero-emissions targets. Despite the current economic challenges, many are sustaining efforts to decarbonize their operations and their value chains. Oil field service and upstream chemicals play an important role in this transition. ChampionX is positioned well to play an important role in this transition and beyond.</p>	Sivasankaran "Soma" Somasundaram CEO, ChampionX
9:30AM to 11:00AM	8:30AM to 10:00AM	<p><u>Regulatory & Safety Session</u></p> <p>Hear from three regulatory agencies on how they see onshore petroleum technologies evolving as the industry adapts to the new post-pandemic world.</p>	<p>Thach Nguyen, General Engineer, Office of Pipeline Safety-Engineering and Research Division</p> <p>LCDR Jason Ryu, Liquefied Gas Carrier National Center of Expertise, US Coast Guard</p> <p>Demetra Colliia, Director-Office of Safety Data Analysis</p>
11:00AM to 11:30AM	10:00AM to 10:30AM	<i>Meet the Petroleum Division Networking Session</i>	
11:30AM to 1:00PM	10:30AM to 12:00PM	<p><u>Technical Session I: Project Management</u></p> <p>OPTC2021-66516: Boundaries Definition for Modeling Transients in Oil Terminals</p> <p>OPTC2021-66752: A Different Way to Execute Project Using a Product-Based Approach</p> <p>OPTC2021-68253: Experimental Study on Axial Bending Capacity of Steel Line Pipe With Kinked Dents (presentation only)</p>	<p>Wilfredo Vargas, Senior Engineer, Universal Pegasus International</p> <p>Cathy Farina, VP- Operations, DyCat Solutions</p> <p>Wang Junqiang, Oil-Gas Storage and Transportation Engineering, China Special Equipment Inspection and Research Institute</p>

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1:00AM to 2:30PM	12:00AM to 1:30PM	Mid-day Break	
2:30PM to 4:00PM	1:30PM to 3:00PM	<p><u>Technical Session II: Innovation</u></p> <p>OPTC2021-66788: Decarbonization Advancements in Pressure Pumping With Gas Turbines</p> <p>OPTC2021-67444: Maximizing Efficiencies and De-Risking a Flare-to-Fuel Technology</p> <p>OPTC2021-67533: Investigation on Axial-Lateral-Torsion Nonlinear Coupling Vibration Model of Drilling String in Ultra-HPHT Curved Wells</p> <p>OPTC2021-68335: The Operationalization of Data Is in 4d: Digest, Demystify, Democratize & Distribute (presentation only)</p>	<p>Andrea Mantini, DTI Gas Turbine Offshore & Onshore Production - Turbomachinery and Process Solutions, Baker Hughes Steve Goldstein, Baker Hughes and Colleen Rimlinger, BakerHughes</p> <p>Stephen Lagutchik, Engineer, DNV GL Xiaoqiang Guo, Postdoctor, School of Mechanical and Electrical Engineering, Southwest Petroleum University</p> <p>Earl J. Dodd, World Wide Technology</p>
4:00PM to 4:30PM	3:00PM to 3:30PM	<i>Topical Networking Break (Topics: The Digital Engineer, Digital Twin)</i>	
4:30PM to 5:30PM	3:30PM to 4:30PM	<p><u>Emissions I</u></p> <p>Core Linepipe Case Studies: Hear about case studies where material selection in linepipe can prove to be an aid in reducing emissions over the life of operating an asset Presented by Core Linepipe.</p> <p>OPTC2021-67334: Quantifying Methane Emissions Through Process Simulations Model and Beyond(presentation only)</p> <p>Day 2 Closing Remarks</p>	<p>DJ Mullholland & Assaad Sakr w/ CoreLinePipe</p> <p>Arnida Talip, Petronas</p> <p>Phani Kondapi, Technical Program Co-Chair</p>

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Wednesday, September 29, 2021

EDT	CDT	Session Title	Speaker/Presenter
9:30AM to 11:00AM	8:30AM to 10:00AM	<p><u>Emissions II</u></p> <p>How are onshore facilities going to reach US targets to reduce emissions by 50-52% below 2005 levels in 2030? What are the best practices and new technologies on the horizon to help these efforts.</p>	Felipe Saldana, Exxon Mobile & Erin E Tullos
11:00AM to 11:30AM	10:00AM to 10:30AM	<i>Networking Session (Emissions)</i>	
11:30AM to 1:00PM	10:30AM to 12:00PM	<p><u>Digital Transformation in the Upstream Industry: A Road Map</u></p> <p>Digitalization is proving to be beneficial for all industries. With regards to onshore technology and in light of the global pandemic, digitalization technologies are proving imperative to continue production. This session will discuss the technologies that are being used and the return on investment.</p>	<p>Ali Raza, SVP, ChampionX</p> <p>Dr. Ashwani Dev, Halliburton</p> <p>Hani Elshawavi, NoviDigiTech</p> <p>Ramesh Prabhala, IntelliTide</p>
1:00PM to 2:30PM	12:00PM to 1:30PM	Mid-day Break	
2:30PM to 4:00PM	1:30PM to 3:00PM	<p><u>Education Panel: Training Next Generation of Workforce in the Current Market: A Joint Industry and Academia Perspective</u></p> <p>The need of the hour is to bring industry and academia together for a well-balanced practical education system. Due the current market scenario, the dearth of quality real-world skill set is a drawback. A collaboration of academia and industry must be stimulated to advance the efforts to fill gaps between industry requirements and the present workforce and student skill set. Educational institutes need to be top-of-the line and professional education must be in line with industry in order to prepare the needed skilled workforce in the coming years.</p>	<p>Dr. Robello Samuel, Halliburton</p> <p>Dr. Mohan Kelkar, University of Tulsa</p> <p>Dr. Akhil Datta-Gupta, Texas A&M University</p>