

Onshore Petroleum Technology Conference (OPTC) 2021

Schedule at a Glance (Times are in Central Time Zone)

Monday, September 27, 2021

Start	Finish	Session Title	Speaker/Presenter
8:00 AM	8:45 AM	<u>Conference Opening & Welcome</u> 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)!	Tom Costabile, ASME CEO Kyle Richter, Conference Chair Ray Rui, Technical Program Co-Chair Phani Kondapi, Technical Program Co-Chair
8:45 AM	10:00 AM	<u>Plenary: Innovation in Oil & Gas – Embracing New Challenges</u> 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	Richard Lynch, VP Technology, Hess Corp Kevin McHanon, GM US Shales, Shell Yanni Charalambous, CIO, Oxy
10:00 AM	10:30 AM	<i>Meet the Speaker Networking Session</i>	
10:30 AM	12:00pm	<u>FMC Track: Frac & Facilities</u> Attendees will gain valuable insight from a leading service company on new technologies in hydraulic fracturing and production facilities.	Justin Rounce, CTO, TechnipFMC Stephen Delancey William Melton
12:00 PM	1:30 PM	Mid-day Break	
1:30 PM	3:00 PM	<u>Texas Roundup</u> This session is jam packed with topics specific to Texas from Government, Regulatory and Industry. You won't want to miss this!	Jon Rosenthal, Texas Representative Christi Craddick, Texas Rail Road Commissioner Sean Strawbridge, CEO, Port of Corpus Christi
3:00 PM	3:30 PM	<i>Topical Networking Break (Topics: Current state of the industry, Facilities)</i>	
3:30 PM	5:00 PM	<u>Oil and Gas: Where we've been and where we're going</u> We will close out the first day with commentary from two well known industry spokesmen. Tune in for what should be a lively	Mark LaCour Mark Rossano
5:00 PM	5:30 PM	<u>Day 1 Closing Remarks</u>	Kyle Richter, Conference Chair

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Tuesday, September 28, 2021

Start	Finish	Session Title	Speaker/Presenter
8:00 AM	8:30 AM	<p><u>Keynote: Innovation in Oil & Gas – Embracing New Challenges</u> 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. 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. Our panelists are the Oil & Gas industry veterans and experts in all things Operations, Technology and Digitalization across the</p>	Sivasankaran "Soma" Somasundaram CEO, ChampionX
8:30 AM	10:00 AM	<p><u>Regulatory Panel</u> Hear from three regulatory agencies on how they see onshore petroleum technologies evolving as the industry adapts to the new post-pandemic world.</p>	Thach Nguyen, General Engineer, Office of Pipeline Engineering and Research Division William Hickey, Commander, US Coast Guard Demetra Collia, Director-Office of Safety Data Analysis
10:00 AM	10:30 AM	<i>Meet the Petroleum Division Networking Session</i>	
		<p><u>Technical Papers I</u> OPTC2021-0: Boundaries Definition for Modeling Transients in Oil Terminals</p>	Wilfredo Vargas, SENIOR ENGINEER, UNIVERSAL PEGASUS INTERNATIONAL

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10:30 AM	12:00 PM	OPTC2021-1: A Different Way to Execute Project Using a Product-Based Approach	Cathy Farina, VP- Operations, DyCat Solutions
		OPTC2021-10: Experimental Study on Axial Bending Capacity of Steel Line Pipe With Kinked Dents	Wang Junqiang, Oil-Gas Storage and Transportation Engineering, China Special Equipment Inspection and Research Institute
12:00 AM	1:30 PM	Mid-day Break	
1:30 PM	3:30 PM	<u>Technical Papers II</u>	
		OPTC2021-7: Decarbonization Advancements in Pressure Pumping With Gas Turbines	Andrea Mantini, DTI Gas Turbine Offshore & Onshore Production - Turbomachinery and Process Solutions, Baker Hughes
		OPTC2021-3: Quantifying Methane Emissions Through Process Simulations Model and Beyond	Arnida Talip
		OPTC2021-5: Maximizing Efficiencies and De-Risking a Flare-to-Fuel Technology	Stephen Lagutchik, Engineer, DNV GL
		OPTC2021-8: Investigation on Axial-Lateral-Torsion Nonlinear Coupling Vibration Model of Drilling String in Ultra-HPHT Curved Wells	Xiaoqiang Guo, Postdoctor, School of Mechanical and Electrical Engineering, Southwest Petroleum University
3:00 PM	3:30 PM	Topical Networking Break (Topics: The Digital Engineer, Digital Twin)	
3:30 PM	5:00 PM	<u>Emissions I</u>	
		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.	DJ Mullholland & Assaad Sakr w/ CoreLinePipe
		OPTC2021-11: The Operationalization of Data Is in 4d: Digest, Demystify, Democratize & Distribute	Earl J. Dodd, World Wide Technology
5:00 PM	5:30 PM	Day 2 Closing Remarks	Phani Kondapi, Technical Program Co-Chair

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Wednesday, September 29, 2021

Start	Finish	Session Title	Speaker/Presenter
8:30 AM	10:00 AM	<u>Emissions II</u> 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	Sam Aminfard, Senior Research Engineer, ExxonMobil Felipe Saldana Fersheed Mody
10:00 AM	10:30 AM	<i>Networking Session (Emissions)</i>	
10:30 AM	12:00 PM	<u>Digitization Panel</u> 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.	Ali Raza, SVP, ChampionX Dr. Ashwani Dev, Halliburton Hani Elshawavi, NoviDigiTech Ramesh Prabhala, IntelliTide
12:00 PM	1:30 PM	Mid-day Break	
1:30 PM	3:00 PM	<u>Education Panel: Training Next Generation of Workforce in the Current Market: A Joint Industry and Academia Perspective</u> 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	Dr. Robello Samuel, Halliburton Dr. Mohan Kelkar, University of Tulsa Dr. Akhil Datta-Gupta, Texas A&M University
3:00 PM	3:30 PM	<i>Topical Networking Break (Digitalization)</i>	
3:30 PM	4:30 PM	<u>Digitalization 1</u> Digitalization is proving to be beneficial for all industries. With regards to onshore technology and in light of the global	Dr. Burak Ozturk Wassim