



















# All Programmes

## Monday, September 16 2019

Time(hrs.)	Programme	Speakers / Moderators
10:00 - 11:00	Registration & Welcome Refreshments	
11:00 - 11:30	Welcome Addresses: Opening from the Master of Ceremonies	<p>Speaker</p> <ul style="list-style-type: none"> <li>Mayor Sylvester Turner, The City of Houston</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Linda Lorelle, Lorelle Media, Our Voices Matter Podcast</li> </ul>
11:30 - 12:30	Legislators' Panel: Examining the Critical Role of Legislation in Supporting the Growth of the Natural Gas Markets	<p>Speakers</p> <ul style="list-style-type: none"> <li>Bernard L. McNamee, Federal Energy Regulatory Commission</li> <li>Honorable Member Bill Flores, Texas' 17th Congressional District</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Jason Bennett, Baker Botts LLP</li> </ul>
13:45 - 14:10	Special Address: Navigating Geopolitics at the Edge: How Will the Industry Pivot to Embrace New Markets, New Supply Sources and New Competition?	<p>Speaker</p> <ul style="list-style-type: none"> <li>Jason Bordoff, Columbia School of International &amp; Public Affairs</li> </ul>

 Technical Programme	 Strategic Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

14:10 - 15:10	How is the Industry Adapting Current Business Strategies and Models to Manage the Growing Risks of Changing Demand Patterns & the Transition to a Lower Carbon World?	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Rachid Hachichi, Sonatrach</li> <li>• Mallam Mele Kolo Kyari, Nigerian National Petroleum Corporation</li> <li>• Keith Martin, Uniper</li> <li>• Peter Coleman, Woodside</li> <li>• Mark Loquan, The National Gas Company of Trinidad &amp; Tobago</li> <li>• Brendan Bechtel, Bechtel</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Martin Houston, Tellurian Inc.</li> </ul>									
15:10 - 16:10	Energy Policy and Meeting the Needs of the Energy Triangle	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Reinhard Ontyd, Nord Stream 2</li> <li>• Tony Attah, Nigeria LNG</li> <li>• Symeon Kassianides, Natural Gas Public Company Cyprus</li> <li>• Slawomir Sieradzki, GAZ-SYSTEM</li> <li>• Seferino Yesquén, Perupetro</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Arthur Hanna, World Energy Council, Copenhagen Institute for Future Studies</li> </ul>									
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# Tuesday, September 17 2019

Time(hrs.)	Programme	Speakers / Moderators
10:00 - 11:00	Ceremonial Opening: Celebrating the Destination Energy Source of the 21st Century	<p>Speaker</p> <ul style="list-style-type: none"> <li>Mayor Sylvester Turner, The City of Houston</li> </ul>
12:00 - 13:15	Plenary 1 - Ministerial Panel: What Changes to Policy and New Regulation will be Required to Ensure the Gas Industry Captures the Benefits of Transformation?	<p>Speakers</p> <ul style="list-style-type: none"> <li>H.E Arcandra Tahar, Indonesia</li> <li>H.E. Nadeem Babar, Islamic Republic of Pakistan</li> <li>Steven Winberg, US Department of Energy</li> <li>Neil Chatterjee, Federal Energy Regulatory Commission</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Bill Loveless, Columbia Energy Exchange, Energy Journalism Initiative, Center on Global Energy Policy, Columbia University</li> </ul>
14:00 - 15:15	Plenary 2 - Global Business Leaders' Panel: New Strategies for Securing Growth, Embracing a Combined Portfolio of Hydrocarbons and Renewables and Securing Position in the Low Carbon Future	<p>Speakers</p> <ul style="list-style-type: none"> <li>Susan Dio, BP America</li> <li>Don Walette, Jr, ConocoPhillips</li> <li>De La Rey Venter, Shell</li> <li>Peter Coleman, Woodside</li> <li>Laurent Vivier, Total</li> <li>Russell Hardy, Vitol</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Jonathan Elkind, Center on Global Energy Policy, Columbia University</li> </ul>
14:00 - 14:25	S1.1 Do European Utilities Still Have an Appetite to Buy LNG?	<p>Speaker</p> <ul style="list-style-type: none"> <li>Murray Douglas, Research Director - Europe Gas, Wood Mackenzie</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Jay Cuclis, Partner - Houston, White &amp; Case</li> </ul>

 Technical Programme

 Strategical Programme

 Young Gatech Programme

 Diversity And Inclusion Programme

 Asia LNG Programme

 Power & Energy Programme










 VIP Programme

 Plenary Programme










 Gas For Transportation Forum

14:50 - 15:15	S1.1 Business Models for a Changing LNG Market	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Peter Lambert, Senior Expert, McKinsey &amp; Co</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Jay Cuclis, Partner - Houston, White &amp; Case</li> </ul>									
14:25 - 14:50	S1.1 The Resilience of Gas in an Innovative Energy Landscape	<p>Speaker</p> <ul style="list-style-type: none"> <li>• George Gilboy, Chief Representative Japan, Woodside Energy</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Jay Cuclis, Partner - Houston, White &amp; Case</li> </ul>									
14:00 - 14:30	T1.1 A new containment system for LNG from concept to reality	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Kjetil Sjolie Strand, CEO, LNT Marine</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>									
14:30 - 15:00	T1.1 Arctic LNG Carriers - key technology to overcome ice challenges	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Reko-Antti Suojanen, CEO, Aker Arctic Technology Inc</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>									
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15:00 - 15:30	T1.1 Implementation of the IGC Code by the U.S. Coast Guard	<p>Speaker</p> <ul style="list-style-type: none"> <li>Cynthia Znati, Lead Chemical Engineer, United States Coast Guard</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
14:00 - 14:30	T2.1 CSIRO In-Situ Laboratory Project to De-Risk Deployment of Carbon Storage	<p>Speaker</p> <ul style="list-style-type: none"> <li>Linda Stalker, Science Director National Geosequestration Laboratory, Group Leader Exploration Geoscience, Acting-CEO , CSIRO</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Paul Hosking, Business Development Manager, John Crane</li> </ul>
14:30 - 15:00	T2.1 Digital Methane Strategies are a Win-Win for Business and Environment	<p>Speaker</p> <ul style="list-style-type: none"> <li>Isabel Mogstad, Senior Manager, EDF+Business, Environmental Defense Fund</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Paul Hosking, Business Development Manager, John Crane</li> </ul>
15:00 - 15:30	T2.1 Addressing the challenges of CO2 shipping, injection and storage	<p>Speaker</p> <ul style="list-style-type: none"> <li>Philippe Cambos, Director Oil &amp; Gas projects, Bureau Veritas Marine &amp; Offshore</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Paul Hosking, Business Development Manager, John Crane</li> </ul>




























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14:00 - 14:30	T3.1 Widening the LNG Market with an Integrated LNG Project	<p>Speakers</p> <ul style="list-style-type: none"> <li>Jonathan Boutrot, Offshore Gas &amp; Wind Market Leader</li> <li>Jesus Losada, Business Developer Manager, Reganosa</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Craig Henderson, Managing Consultant, Energy, Advisian, a Worley Group</li> </ul>
14:30 - 15:00	T3.1 Value Chain optimization with small scale LNG to power solutions	<p>Speaker</p> <ul style="list-style-type: none"> <li>Carsten Dommermuth, Senior Manager, International Business Development, MAN Energy Solutions SE</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Craig Henderson, Managing Consultant, Energy, Advisian, a Worley Group</li> </ul>
15:00 - 15:30	T3.1 ACP LNG Terminal in Panama: A Gas to Power Opportunity	<p>Speaker</p> <ul style="list-style-type: none"> <li>Matteo Tirindelli, Project Development Services For Engineering, RINA Consulting S.p.A.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Craig Henderson, Managing Consultant, Energy, Advisian, a Worley Group</li> </ul>
15:00 - 16:00	D1: Why does Diversity and Inclusion make business sense?	<p>Speakers</p> <ul style="list-style-type: none"> <li>Hugh Connett, Chevron</li> <li>Sarah Loh, Woodside Energy</li> <li>Astrid Álvarez, Grupo Energía Bogotá</li> <li>Nancy Ballout, Sembcorp Marine Ltd.</li> <li>Nancy Swartout, ExxonMobil</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Tosha Perkins, McDermott International Inc.</li> </ul>

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15:15 - 15:45	Charif Souki Onstage Interview with Fareed Zacharia	<p>Speaker</p> <ul style="list-style-type: none"> <li>Charif Souki, Tellurian Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Fareed Zakaria, CNN</li> </ul>
16:00 - 16:25	S1.2 Second Wave of Terminal Investment in China: Developments & Implications	<p>Speaker</p> <ul style="list-style-type: none"> <li>Zhu Chen, Managing Director, SIA Energy</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Julie Mayo, Partner, Norton Rose Fulbright</li> </ul>
16:25 - 16:50	S1.2 Key Changes with China Gas Market and the Global Implications	<p>Speaker</p> <ul style="list-style-type: none"> <li>Xianfang Ren, China Gas Strategy Lead, Royal Dutch Shell</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Julie Mayo, Partner, Norton Rose Fulbright</li> </ul>
16:50 - 17:15	S1.2 Examining North Asian Buyers' Shifting LNG Procurement Patterns	<p>Speaker</p> <ul style="list-style-type: none"> <li>Sophie Tan, Head of Asia Pacific, Business Intelligence, Poten &amp; Partners</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Julie Mayo, Partner, Norton Rose Fulbright</li> </ul>










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<p>16:00 - 16:30</p>	<p>T1.2 Design and Operation of the first LH2 Carrier</p>	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Koichi Nishifuji, Manager, technical Solution Department, Nippon kaiji Kyokai (ClassNK)</li> <li>• Ahmer Saeed, Site Manager, Liquefied Hydrogen Carrier Project, Shell Shipping &amp; Maritime technology , Shell International Trading and Shipping Company Ltd. (STASCO)</li> <li>• Yukichi Takaoka, Senior Staff Officer, Technology Development Department , HySTRA(CO2-free Hydrogen Supply Chain Technology Research Association)</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>									
<p>16:30 - 17:00</p>	<p>T1.2 Wireless Linked ESD Considerations</p>	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Andrew Stafford, Technical Director, Trelleborg Marine Systems UK</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>									
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17:00 - 17:30	T1.2 The multi-fuel two-stroke MAN B&W dual fuel engine	<p>Speaker</p> <ul style="list-style-type: none"> <li>René Sejer Laursen, Promotion Manager ME-GI &amp; ME-LGI, MAN Energy Solutions</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>									
17:00 - 17:30	T1.2 RESERVE: Piston compressor developments for gas fuelled LNG and Ethane carriers	<p>Speaker</p> <ul style="list-style-type: none"> <li>Thomas Hess, Manager Business Development LNG Marine, Burckhardt Compression AG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>									
16:00 - 16:30	T2.2 DOE Natural Gas Infrastructure Research Program Targets Methane Emissions	<p>Speaker</p> <ul style="list-style-type: none"> <li>Jared Ciferno, Technology Manager, Oil &amp; Gas, U.S. Department of Energy, NETL</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Richard W. Westerdale II, Senior Vice President, JNG Group</li> </ul>									
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16:30 - 17:00	T2.2 High Precision Methane Leak Detection via Microsatellites	<p>Speaker</p> <ul style="list-style-type: none"> <li>Yotam Ariel, CEO, Bluefield Technologies, Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Richard W. Westerdale II, Senior Vice President, JNG Group</li> </ul>
17:00 - 17:30	T2.2: An updated on the Allam Cycle	<p>Speaker</p> <ul style="list-style-type: none"> <li>David Lewicki, Program Director - NET Power, McDermott</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Richard W. Westerdale II, Senior Vice President, JNG Group</li> </ul>
16:00 - 16:30	T3.2 Every LNG Terminal Deserves a Good Engine	<p>Speaker</p> <ul style="list-style-type: none"> <li>Raymond Walsh, General Manager, Process Design &amp; LNG Technology, Wärtsilä Finland</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Gonzalo Meza, Business Development and Sales Vice President, Karpowership</li> </ul>
16:30 - 17:00	T3.2 Changing position of LNG-fueled Power Plants in Japan	<p>Speaker</p> <ul style="list-style-type: none"> <li>Akira Yabumoto, Director of Energy Resources Strategy, J-Power</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Gonzalo Meza, Business Development and Sales Vice President, Karpowership</li> </ul>










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17:00 - 17:30	T3.2 LNG to Power - Capturing the Cold	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Scott Schroeder, Senior Technical Constantant, Advisian, a Worley Group</li> <li>• John Rizopoulos, Senior Vice President, Process Technology, Worley</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Gonzalo Meza, Business Development and Sales Vice President, Karpowership</li> </ul>
17:00 - 17:30	T3.2 RESERVE: Gas Curtailment – LNG is the optimum back-up fuel solution	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Erik Langeteig, Director Project Solutions, Chart Industries</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Gonzalo Meza, Business Development and Sales Vice President, Karpowership</li> </ul>
16:15 - 16:30	Keynote Address: Energy Forward: Unlocking the Potential of Gas	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Lorenzo Simonelli, Baker Hughes, a GE company</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Jonathan Elkind, Center on Global Energy Policy, Columbia University</li> </ul>
16:30 - 17:30	Plenary 3 - Global Business Leaders' Panel: How Can Buyers and Sellers Find a Balance to Cooperate and Develop Strategies for Long Term Market Growth?	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Alex Volkov, ExxonMobil</li> <li>• Meg Gentle, Tellurian Inc.</li> <li>• Dr. Ashutosh Karnatak, GAIL India</li> <li>• Steve Hill, Shell</li> <li>• Kunio Nohata, Tokyo Gas</li> <li>• Mike Sabel, Venture Global LNG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ken Medlock, Baker Institute for Public Policy, Rice University</li> </ul>










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17:30 - 18:00	Keynote Address: A Changing Global Gas Order: How Market Forces are Changing the Traditional Business Model in the Market for Liquefied Natural Gas	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Jack Fusco, Cheniere Energy</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Brian Sullivan, CNBC</li> </ul>
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# Wednesday, September 18 2019

Time(hrs.)	Programme	Speakers / Moderators
07:00 - 08:30	VIP Networking Breakfast Briefing: Canadian LNG and Rebirth of a Nation's Natural Gas Economy	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Peter Zebedee, LNG Canada</li> <li>• David Keane, Woodfibre LNG Ltd</li> <li>• Hon. David James, Government of Alberta</li> <li>• Bryan Cox, BC LNG Alliance</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Bryan Cox, BC LNG Alliance</li> </ul>
09:00 - 09:30	Onstage Interview: Investing in LNG Projects – Risk and Reward in an Evolving Energy Landscape	<p>Speaker</p> <ul style="list-style-type: none"> <li>• David Foley, Blackstone Energy Partners</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Gregory Meyer, Financial Times</li> </ul>
09:15 - 09:45	T1.3 The Beginning of a New Era for Ethane Carriers	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Aditya Aggarwal, Director - Global Gas Solutions, American Bureau of Shipping (ABS)</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
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09:45 - 10:15	T1.3 Lattice prismatic pressure vessels for commercial use	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Daejun Chang, Technical Supervisor and Associate Professor, LATTICE Technology and KAIST</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
10:15 - 10:45	T1.3 Improving safety in the transfer zone with integrated monitoring technology	<p>Speaker</p> <ul style="list-style-type: none"> <li>• James Hermary, Product Manager – LNG Applications, Trelleborg Fluid Handling Solutions</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
09:15 - 09:45	T2.3 DOE Targets Improvement of Unconventional Resource Technologies Through Field Laboratories	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Jared Ciferno, Technology Manager, Oil &amp; Gas, U.S. Department of Energy, NETL</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Don Stevenson, Vice President and Managing Director, Energy Supply and Conversion, Gas Technology Institute</li> </ul>

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09:45 - 10:15	T2.3 Will Argentina resolve the bottlenecks to unlock its O&G potential?	<p>Speaker</p> <ul style="list-style-type: none"> <li>Ryan Carbrey, Senior Vice President, Rystad Energy</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Don Stevenson, Vice President and Managing Director, Energy Supply and Conversion, Gas Technology Institute</li> </ul>
10:15 - 10:45	T2.3 Addressing Measurement Challenges in Today's Shale Plays	<p>Speaker</p> <ul style="list-style-type: none"> <li>Brandon Bromberek, VP Oil &amp; Gas, Flow Solutions , Emerson Automation Solutions</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Don Stevenson, Vice President and Managing Director, Energy Supply and Conversion, Gas Technology Institute</li> </ul>
09:15 - 09:45	T3.3 New Generation of Very Large Ethane shipping (VLEC)	<p>Speaker</p> <ul style="list-style-type: none"> <li>Adnan Ezzarhouni, General Manager, GTT China</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Jefferson Edwards, General Manager Global Gas &amp; LNG Market Development, Shell</li> </ul>
09:45 - 10:15	T3.3 Low-Cost Hydrogen Storage Technology for Large Scale Energy Transport	<p>Speaker</p> <ul style="list-style-type: none"> <li>Taekyong Song, Senior Research Engineer, KOGAS</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Jefferson Edwards, General Manager Global Gas &amp; LNG Market Development, Shell</li> </ul>



Technical Programme



Strategical Programme



Young Gatech Programme



Diversity And Inclusion Programme



Asia LNG Programme



Power & Energy Programme



VIP Programme



Plenary Programme




Gas For Transportation Forum

10:15 - 10:45	T3.3 Turning natural gas into biomass	<p>Speaker</p> <ul style="list-style-type: none"> <li>Henrik Busch-Larsen, CEO, Unibio</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Jefferson Edwards, General Manager Global Gas &amp; LNG Market Development, Shell</li> </ul>
10:15 - 10:45	T3.3 RESERVE: ETHANE TRANSPORTATION WITH LNG – FEASIBILITY AND ECONOMICS	<p>Speaker</p> <ul style="list-style-type: none"> <li>Rajeev Nanda, Vice President - Project Development, TechnipFMC</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Jefferson Edwards, General Manager Global Gas &amp; LNG Market Development, Shell</li> </ul>
09:30 - 10:45	Plenary 4 - Global Business Leaders' Panel: How New & Emerging LNG Importers Are Reshaping the Waterborne Gas Market?	<p>Speakers</p> <ul style="list-style-type: none"> <li>Sher Afgan Khan, Ministry of Energy, Petroleum Division, Pakistan</li> <li>Olivier Mussat, International Finance Corporation</li> <li>Eiji Yanagawa, Mitsui &amp; Co Energy Marketing &amp; Services (USA) Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Gregory Meyer, Financial Times</li> </ul>
09:30 - 09:55	S1.3 Competing for LNG Futures - Breakthrough Strategies Seizing Control	<p>Speaker</p> <ul style="list-style-type: none"> <li>PC Consul, Managing Director, SENERGY Global LNG Systems</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Christopher Caswell, Director, Global LNG and FLNG Technology &amp; Development, KBR, Inc.</li> </ul>

 Technical Programme

 Strategic Programme

 Young Gatech Programme

 Diversity And Inclusion Programme

 Asia LNG Programme

 Power & Energy Programme










 VIP Programme

 Plenary Programme

 Gas For Transportation Forum












09:55 - 10:20	S1.3 Innovative Modeling Solutions Automate Right-Sizing Evaluation for O&G Operations	<p>Speaker</p> <ul style="list-style-type: none"> <li>Peter Henderson, Process Technical Authority , SNC-Lavalin</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Christopher Caswell, Director, Global LNG and FLNG Technology &amp; Development, KBR, Inc.</li> </ul>
10:20 - 10:45	S1.3 P-67 transport: An iconic breakthrough. The inconveivable, realized.	<p>Speaker</p> <ul style="list-style-type: none"> <li>Ronald Goetheer, Manager, Projects , Boskalis</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Christopher Caswell, Director, Global LNG and FLNG Technology &amp; Development, KBR, Inc.</li> </ul>
10:20 - 10:45	S1.3 RESERVE: Adaptability of an EPC Organization in Times of Uncertainty	<p>Speaker</p> <ul style="list-style-type: none"> <li>Ani Ganguly, Project Director, Kiewit</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Christopher Caswell, Director, Global LNG and FLNG Technology &amp; Development, KBR, Inc.</li> </ul>
09:30 - 09:55	S2.3 What Does the Paris Accord Mean for the LNG Industry?	<p>Speaker</p> <ul style="list-style-type: none"> <li>Go Katayama, Senior LNG and Natural Gas Consultant, Poten &amp; Partners</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>David Ledesma, Energy &amp; Strategy Consultant and Senior Fellow Oxford Institute for Energy Studies, South-Court Ltd</li> </ul>

 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

09:55 - 10:20	S2.3 EU Gas Package 2020 - Opportunities for Gas	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Arno Bux, Chief Commercial Officer, Fluxys S.A.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• David Ledesma, Energy &amp; Strategy Consultant and Senior Fellow Oxford Institute for Energy Studies, South-Court Ltd</li> </ul>																		
10:20 - 10:45	S2.3 The Role of Gas in the Energy Transition	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Arun Mani, Senior Strategy Partner, KPMG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• David Ledesma, Energy &amp; Strategy Consultant and Senior Fellow Oxford Institute for Energy Studies, South-Court Ltd</li> </ul>																		
09:30 - 09:45	Chair's Welcome	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Laura Musick, Black &amp; Veatch</li> </ul>																		
09:45 - 10:15	Keynote Address	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Arthur Hanna, World Energy Council, Copenhagen Institute for Future Studies</li> </ul>																		
10:15 - 11:15	YG1: The Role of Future Energy Leaders	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Alexa Burr, American Petroleum Institute (API)</li> <li>• Gregor Pett, Uniper</li> <li>• Rajeev Singhal, GAIL India</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Charlie Riedl, Center for Liquefied Natural Gas</li> </ul>																		
<table border="0"> <tr> <td data-bbox="103 1668 159 1713">■</td> <td data-bbox="167 1668 558 1713">Technical Programme</td> <td data-bbox="566 1668 622 1713">■</td> <td data-bbox="630 1668 1021 1713">Strategical Programme</td> <td data-bbox="1029 1668 1085 1713">■</td> <td data-bbox="1093 1668 1492 1713">Young Gatech Programme</td> </tr> <tr> <td data-bbox="103 1736 159 1780">■</td> <td data-bbox="167 1736 558 1780">Diversity And Inclusion Programme</td> <td data-bbox="566 1736 622 1780">■</td> <td data-bbox="630 1736 1021 1780">Asia LNG Programme</td> <td data-bbox="1029 1736 1085 1780">■</td> <td data-bbox="1093 1736 1492 1780">Power &amp; Energy Programme</td> </tr> <tr> <td data-bbox="103 1803 159 1848">■</td> <td data-bbox="167 1803 558 1848">VIP Programme</td> <td data-bbox="566 1803 622 1848">■</td> <td data-bbox="630 1803 1021 1848">Plenary Programme</td> <td data-bbox="1029 1803 1085 1848">■</td> <td data-bbox="1093 1803 1492 1848">Gas For Transportation Forum</td> </tr> </table>			■	Technical Programme	■	Strategical Programme	■	Young Gatech Programme	■	Diversity And Inclusion Programme	■	Asia LNG Programme	■	Power & Energy Programme	■	VIP Programme	■	Plenary Programme	■	Gas For Transportation Forum
■	Technical Programme	■	Strategical Programme	■	Young Gatech Programme															
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11:00 - 12:00	D2: Retaining Talent	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Heather Cykoski,ABB</li> <li>• Ray Dempsey,BP</li> <li>• Julie Rae,ExxonMobil</li> <li>• Sara Hassett,Baker Hughes, a GE Company</li> <li>• Laurie Dowling,National Utilities Diversity Council</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Elia Quintana,API</li> </ul>
11:15 - 12:15	Plenary 5 - Global Leaders' Panel: Natural Gas & Latin America: Creating a Sustainable Gas Agenda for the Region	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Timmy Baksh,Trinidad &amp; Tobago</li> <li>• Marcos Browne,YPF</li> <li>• Marcelino Oreja,Enagas</li> <li>• Astrid Álvarez,Grupo Energía Bogotá</li> <li>• Mauricio Roitman,Enargas</li> </ul>
11:15 - 11:45	T1.4 Golar FLNG - deployment strategies, opportunities and commercial flexibility	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Iain Ross, CEO, Golar Management Ltd</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Javid Talib, Vice President and Director, Black &amp; Veatch</li> </ul>
11:45 - 12:15	T1.4 2nd Feasibility Study for a FLNG-Barge Instalation in Bahia Blanca (Argentina)	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Luis Lopez, Head of Mooring Analysis and Offshore Department, Siport21</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Javid Talib, Vice President and Director, Black &amp; Veatch</li> </ul>
12:15 - 12:45	T1.4 ZR-LNG Innovative Self-Refrigeration Technology for LNG with Integrated Liquids Removal	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Martin Mayer, Director LNG Technology, McDermott</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Javid Talib, Vice President and Director, Black &amp; Veatch</li> </ul>
 Technical Programme  Strategical Programme  Young Gatech Programme	 Diversity And Inclusion Programme  Asia LNG Programme  Power & Energy Programme	 VIP Programme  Plenary Programme  Gas For Transportation Forum

11:15 - 11:45	T2.4 LPG and Ethane as marine fuel	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Jörg Müller, Sales Engineer, TGE Marine Gas Engineering GmbH</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Uday Turaga, Chief Executive Officer, ADI Analytics LLC</li> </ul>
11:45 - 12:15	T2.4 LNG on the Rails	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Scott Nason, Product Manager - Rail Group, Chart Industries, Inc</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Uday Turaga, Chief Executive Officer, ADI Analytics LLC</li> </ul>
12:15 - 12:45	T2.4 Sloshing in Membrane Tank for LNG Fuelled Ultra-large Containership	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Changseop Kwon, Senior Engineer, Samsung Heavy Industries Co., Ltd</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Uday Turaga, Chief Executive Officer, ADI Analytics LLC</li> </ul>
11:15 - 11:45	T3.4 Using the Natural Gas Network for Renewable Energy Storage	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Eoin Syron, Assistant Professor, University College Dublin</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Brian Weeks, P.E, GTI</li> </ul>
11:45 - 12:15	T3.4 Ammonia: The Next Big Thing in Energy Storage	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Alex Saucedo, NA Director of Sales , GenCell</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Brian Weeks, P.E, GTI</li> </ul>










 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Penary Programme	 Gas For Transportation Forum

12:15 - 12:45	T3.4 Natural Gas Decarbonisation by Efficient Hydrogen Generation with Carbon Capture	<p>Speaker</p> <ul style="list-style-type: none"> <li>Adrian Finn, Process Technology Manager, Costain</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Brian Weeks, P.E, GTI</li> </ul>
11:15 - 11:20	A1 Chair's Welcome & Opening Remarks	<p>Speaker</p> <ul style="list-style-type: none"> <li>George Gilboy, Woodside</li> </ul>
11:20 - 12:30	A1: LNG Demand Scenarios in Asia: Regulation, Cooperation and the Pivot to Gas	<p>Speakers</p> <ul style="list-style-type: none"> <li>Rahayu Puspasari, Government Asset Management of Indonesia, Ministry of Finance</li> <li>Tanudji Darmasakti, PT Pertamina</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Fareed Mohamedi, SIA Energy International</li> </ul>
11:30 - 11:55	S1.4 Hydrogen - Will it Perpetually Remain the "Future of Fuel"?	<p>Speaker</p> <ul style="list-style-type: none"> <li>Matty Vengerik, Managing Director, PM Hydrogen</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Carol Battershell, Former Senior Executive, U.S Department of Energy</li> </ul>
11:55 - 12:20	S1.4 Assessment of Risk in the Development of Hydrogen Gas Economy	<p>Speakers</p> <ul style="list-style-type: none"> <li>Tony Byrne, Vice President, MMI Thornton Tomasetti</li> <li>James Wesevich, Principal, Thornton Tomasetti</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Carol Battershell, Former Senior Executive, U.S Department of Energy</li> </ul>
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 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum










12:20 - 12:45	S1.4 Pathways to an Economically Sustainable Hydrogen Industry for Australia	<p>Speaker</p> <ul style="list-style-type: none"> <li>Patrick Hartley, Research Director, Oil Gas &amp; Fuels, CSIRO Australia</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Carol Battershell, Former Senior Executive, U.S Department of Energy</li> </ul>
11:30 - 11:55	S2.4 New LNG Strategies Under New Reality	<p>Speakers</p> <ul style="list-style-type: none"> <li>Yosuke Kunimatsu, Analyst, Gas Group, Institute of Energy Economics, Japan - IEEJ</li> <li>Hiroshi Hashimoto, Head of Gas Group, Institute of Energy Economics, Japan</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Tom O'Meara, Senior Vice President – Sales, Energy Exemplar</li> </ul>
11:55 - 12:20	S2.4 South America's Natural Gas Future: A Tango for Three	<p>Speaker</p> <ul style="list-style-type: none"> <li>Liliana Diaz, Managing Director, FTI Consulting</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Tom O'Meara, Senior Vice President – Sales, Energy Exemplar</li> </ul>
12:20 - 12:45	S2.4 Assessing Energy Policy Instruments: LNG Imports for Saudi Arabia	<p>Speaker</p> <ul style="list-style-type: none"> <li>Rami Shabaneh, Research Associate, King Abdullah Petroleum Studies and Research Center (KAPSARC)</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Tom O'Meara, Senior Vice President – Sales, Energy Exemplar</li> </ul>

	Technical Programme		Strategical Programme		Young Gatech Programme
	Diversity And Inclusion Programme		Asia LNG Programme		Power & Energy Programme
	VIP Programme		Plenary Programme		Gas For Transportation Forum

12:20 - 12:45	S2.4 RESERVE: Natural Gas – bridge or foundation under carbon constraints?	<p>Speaker</p> <ul style="list-style-type: none"> <li>Fiji George, DIRECTOR, CLIMATE &amp; SUSTAINABILITY, Cheniere Energy Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Tom O'Meara, Senior Vice President – Sales, Energy Exemplar</li> </ul>
11:45 - 12:45	YG2: Understanding the impact that AI and IoT Will Have on the Future Energy Landscape	<p>Speakers</p> <ul style="list-style-type: none"> <li>Robert Kester, Rebellion Photonics</li> <li>Siddhartha Gupta, Nesh</li> <li>Wassim Ghadban, SNC-Lavalin</li> <li>Keith Norman, Darcy Partners</li> </ul>
12:15 - 12:30	Plenary 6 - Keynote Address: The Role of the United States in Promoting Global Energy Security Through Diplomacy	<p>Speaker</p> <ul style="list-style-type: none"> <li>Francis R Fannon, U.S Department of State</li> </ul>
12:30 - 12:45	Keynote Address: A New Dawn for Indonesian Gas & LNG: Unlocking New Supply Potential	
12:30 - 12:45	Keynote Address: Export of North American LNG Emerging Customers: Developing Markets, Delivering Reliable and Secure Energy	<p>Speaker</p> <ul style="list-style-type: none"> <li>Shawn Bennett, US Department of Energy</li> </ul>
13:30 - 14:30	D3: Engaging with Bias	<p>Speakers</p> <ul style="list-style-type: none"> <li>Paula Glover, American Association of Blacks in Energy (AABE)</li> <li>Leland Jourdan, Chevron</li> <li>Audrey Murrell, University of Pittsburgh College of Business Administration</li> <li>Joseph M. Gebara, Independent</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Martha Feedback, Catalyst Inc.</li> </ul>










 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

13:45 - 14:30	Plenary 7 - Ministerial Panel: The Role of Gas in Providing Lower Cost, Lower Carbon Energy to Growth Economies	<p>Speakers</p> <ul style="list-style-type: none"> <li>• H.E. Carlos Pérez, Republic of Ecuador</li> <li>• Hon. Bill Johnston, Government of Western Australia</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Gregory Meyer, Financial Times</li> </ul>
14:00 - 14:25	S1.5 The Global Ethane Market: Lessons from the Global LNG Trade	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Jason Bennett, Partner &amp; Global Projects Department Chair, Baker Botts LLP</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Peter Stewart, Chief Energy Analyst, Interfax Global Energy</li> </ul>
14:25 - 14:50	S1.5 The Increasing Role of Russia in the Global LNG Market	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Anton Oussov, Global oil and gas Leader , KPMG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Peter Stewart, Chief Energy Analyst, Interfax Global Energy</li> </ul>
14:50 - 15:15	S1.5 Chinese Natural Gas & LNG Demand Expectation Analysis	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Xianzhi Huang, Executive assistant, PetroChina Natural Gas Marketing Company</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Peter Stewart, Chief Energy Analyst, Interfax Global Energy</li> </ul>










	Technical Programme		Strategical Programme		Young Gatech Programme
	Diversity And Inclusion Programme		Asia LNG Programme		Power & Energy Programme
	VIP Programme		Plenary Programme		Gas For Transportation Forum












14:50 - 15:15	S1.5 RESERVE: Mexico LNG: The Next North American LNG Disruptor?	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Sarah Bairstow, Chief Commercial Officer, Mexico Pacific Limited (MPL)</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Peter Stewart, Chief Energy Analyst, Interfax Global Energy</li> </ul>
14:00 - 14:25	S2.5 LNG Shipping - A Change Once More!	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Debbie Turner, Senior Broker, Howe Robinson Partners</li> </ul> <p>Moderators</p> <ul style="list-style-type: none"> <li>• Iain Macneil, Chief Executive Officer, Witherby Publishing Group</li> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
14:25 - 14:50	S2.5 Is the Panama Canal a Bottleneck?	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Doug Brown, LNG Shipping Specialist, Poten &amp; Partners</li> </ul> <p>Moderators</p> <ul style="list-style-type: none"> <li>• Iain Macneil, Chief Executive Officer, Witherby Publishing Group</li> <li>• Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>

	Technical Programme		Strategical Programme		Young Gatech Programme
	Diversity And Inclusion Programme		Asia LNG Programme		Power & Energy Programme
	VIP Programme		Plenary Programme		Gas For Transportation Forum










14:50 - 15:15	S2.5 IMO2020: Unlocking the Potential of US LNG Bunkering	<p>Speaker</p> <ul style="list-style-type: none"> <li>Sean Lalani, President, Eagle LNG Partners</li> </ul> <p>Moderators</p> <ul style="list-style-type: none"> <li>Iain Macneil, Chief Executive Officer, Witherby Publishing Group</li> <li>Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
14:00 - 14:30	T1.5 Is past practice best practice? boil-off and contractual compensation regimes	<p>Speaker</p> <ul style="list-style-type: none"> <li>Marcus Dodds, Partner, Reed Smith LLP</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Patrick Janssens, Vice President Global Gas, American Bureau of Shipping</li> </ul>
14:30 - 15:00	T1.5 Converting Small-scale LNG Carrier for Floating Storage Unit (FSU)	<p>Speaker</p> <ul style="list-style-type: none"> <li>Shunping Wu, Deputy director of R&amp;D department, Wuhan Rules &amp; Research Institute, China Classification Society</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Patrick Janssens, Vice President Global Gas, American Bureau of Shipping</li> </ul>
15:00 - 15:30	T1.5 Scenario-driven Modeling and Forecasting of BOG Production and LNG Aging	<p>Speaker</p> <ul style="list-style-type: none"> <li>Andres Bustillo, Operations Coordinator, SPEC LNG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Patrick Janssens, Vice President Global Gas, American Bureau of Shipping</li> </ul>

 Technical Programme	 Strategic Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

15:00 - 15:30	T1.5 RESERVE: Guidance on Long-term Nearshore Mooring of Floating LNG Units	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Conn Fagan, Vice President Business Development, DNVGL</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Patrick Janssens, Vice President Global Gas, American Bureau of Shipping</li> </ul>
14:00 - 14:30	T2.5 An Innovative Approach to Re-Liquefy Bog Through Cold Energy Recovery	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Ravindu Atapattu, R&amp;D Product Manager , Keppel Gas Technology Development</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• John Snyder, Editor of LNG World Shipping and Offshore Support Journal, Riviera Maritime Media</li> </ul>
14:30 - 15:00	T2.5 Bunkering the First Duel Fuel Container/Ro Ro Vessels	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Alisa Praskovich, Manager, LNG Business Development, Crowley LNG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• John Snyder, Editor of LNG World Shipping and Offshore Support Journal, Riviera Maritime Media</li> </ul>
15:00 - 15:30	T2.5 Optimised design for a pump-less LNG refuelling station	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Alfonso Morriello, CEO, AXEGAZ</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• John Snyder, Editor of LNG World Shipping and Offshore Support Journal, Riviera Maritime Media</li> </ul>

 Technical Programme	 Strategic Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

14:00 - 14:30	T3.5 The feedstock advantage: How shale changed the ethylene cost curve	<p>Speaker</p> <ul style="list-style-type: none"> <li>John England, Partner, Deloitte</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Eric Fell, Senior Analyst, Natural Gas, Genscape</li> </ul>
14:30 - 15:00	T3.5 Study of CO2 free Ammonia as Hydrogen Energy Carrier	<p>Speaker</p> <ul style="list-style-type: none"> <li>Mototaka Kai, Senior Research Engineer, JGC Corporation</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Eric Fell, Senior Analyst, Natural Gas, Genscape</li> </ul>
15:00 - 15:30	T3.5 The industrial sector holds the key to a hydrogen economy	<p>Speaker</p> <ul style="list-style-type: none"> <li>Runeel Daliah, Analyst, Lux Research</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Eric Fell, Senior Analyst, Natural Gas, Genscape</li> </ul>
14:00 - 15:00	YG3: Our Journey into the Energy Industry	<p>Speakers</p> <ul style="list-style-type: none"> <li>Rodney Williams, National Grid</li> <li>Najla Jamoussi, Cheniere Energy</li> <li>Matt Tucker, ExxonMobil</li> <li>Hieu Le Trung, Atkins</li> </ul> <p>Moderator</p>
14:20 - 15:15	A2: The Buyer-Supplier Dynamic: How Can Suppliers Support the Need for Increased Flexibility?	<p>Speakers</p> <ul style="list-style-type: none"> <li>Keita Enjoji, Tokyo Gas Asia Pte. Ltd</li> <li>Vinod Kumar Mishra, Petronet LNG</li> <li>James MacTaggart, NextDecade</li> <li>Daniel McGinnis, Commonwealth LNG</li> <li>Filippo Gotti, ENI</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Zhu Chen, SIA Energy</li> </ul>

 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

14:30 - 15:30	Plenary 8 - Global Business Leaders' Panel: Transformation through Technologies – How Can the Industry Incorporate the Transformative Promise of New Technology in Organisations Historically Hierarchical, Rule Bound & Risk Averse?	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Alasdair Cathcart, Betchtel Group</li> <li>• Arezki Hocini, Alnaft</li> <li>• Babur Ozden, MAANA</li> <li>• Amir Husain, SparkCognition</li> <li>• Mike Train, Emerson, Emerson's Automation Solutions</li> <li>• Conner Prochaska, U.S. Department of Energy</li> </ul>
14:30 - 15:00	Diversity Needs Men's Help and Diversity Helps Men	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Carol Battershell, US Department of Energy</li> </ul>
15:20 - 16:00	Keynote Address	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Meg Gentle, Tellurian Inc.</li> </ul>
15:45 - 16:45	A3: Trading, Pricing & Contracts: Progress on the Emergence of a Hub for Asia	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Birger Balteskard, ConocoPhillips</li> <li>• Darshan Hiranandani, H-Energy</li> <li>• Christophe Malet, Hanas LNG</li> <li>• Ratnesh Bedi, Pacific Oil&amp;Gas Ltd</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ashish Sethia, BloombergNEF</li> </ul>
16:00 - 17:00	Plenary 9 - Global Business Leaders' Panel: What is Needed to Overcome the Significant Challenges Faced by the Next Wave of Supply Projects to Relieve Anticipated Market Tightness Post 2023?	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Jun Nishizawa, Mitsubishi Corporation</li> <li>• Matt Schatzman, NextDecade Corporation</li> <li>• Mark Gyetvay, Novatek</li> <li>• Paul Varello, Commonwealth LNG</li> <li>• Justin Bird, Sempra LNG</li> <li>• Bill Yardley, Enbridge</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Simon Flowers, Wood Mackenzie</li> </ul>

 Technical Programme

 Strategic Programme

 Young Gatech Programme

 Diversity And Inclusion Programme

 Asia LNG Programme










 Power & Energy Programme

 VIP Programme










 Plenary Programme

 Gas For Transportation Forum

16:00 - 16:25	S1.6 MARPOL 2020 Compliance Made Easy with Blockchain	<p>Speakers</p> <ul style="list-style-type: none"> <li>Walter Purio, Founding Director, LNG Marine Fuel Institute , P &amp; H Marine Australasia</li> <li>Rowan Fenn, Founder and CEO , rise-x.io</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Paul Sullivan, Senior Vice President, Global LNG &amp; FLNG, Worley &amp; Gastech Strategic Governing Body Co-Chair</li> </ul>
16:25 - 16:50	S1.6 Reinvent Process Design Reviews with Virtual Reality Methods - a Case Study	<p>Speaker</p> <ul style="list-style-type: none"> <li>Wassim Ghadban, Global Director, Innovation &amp; Intelligence, Operational Intelligence, SNC-Lavalin</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Paul Sullivan, Senior Vice President, Global LNG &amp; FLNG, Worley &amp; Gastech Strategic Governing Body Co-Chair</li> </ul>
16:50 - 17:15	S1.6 How Deeper Integration of Engineering Silos Can Increase Production	<p>Speaker</p> <ul style="list-style-type: none"> <li>Andy Howell, Chief Executive Officer, KBC (A Yokogawa Company)</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Paul Sullivan, Senior Vice President, Global LNG &amp; FLNG, Worley &amp; Gastech Strategic Governing Body Co-Chair</li> </ul>

 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum










16:50 - 17:15	S1.6 RESERVE: New Methods for Forecasting LNG Demand in China	<p>Speaker</p> <ul style="list-style-type: none"> <li>James Orsulak , Senior Director, Oil &amp; Gas , Descartes Labs</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Paul Sullivan, Senior Vice President, Global LNG &amp; FLNG, Worley &amp; Gastech Strategic Governing Body Co-Chair</li> </ul>
16:00 - 16:25	S2.6 Marine LNG Fuel: Challenge & Opportunities	<p>Speaker</p> <ul style="list-style-type: none"> <li>John Hatley, VP Americas Marine Solutions &amp; Director Market Shaping, Wartsila North America, Inc</li> </ul> <p>Moderators</p> <ul style="list-style-type: none"> <li>Iain Macneil, Chief Executive Officer, Witherby Publishing Group</li> <li>Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
16:25 - 16:50	S2.6 Shipping Market: Factors to make an influence	<p>Speaker</p> <ul style="list-style-type: none"> <li>Kenta Matsuzaka, Managing Executive Officer , Mitsui O.S.K. Lines, Ltd</li> </ul> <p>Moderators</p> <ul style="list-style-type: none"> <li>Iain Macneil, Chief Executive Officer, Witherby Publishing Group</li> <li>Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>

	Technical Programme		Strategical Programme		Young Gatech Programme
	Diversity And Inclusion Programme		Asia LNG Programme		Power & Energy Programme
	VIP Programme		Plenary Programme		Gas For Transportation Forum










16:50 - 17:15	S2.6 New Changes to China's Emission Control Area & Its Impacts	<p>Speaker</p> <ul style="list-style-type: none"> <li>Xiaofeng Luo, Director, China Classification Society Wuhan Rules &amp; Research Institute</li> </ul> <p>Moderators</p> <ul style="list-style-type: none"> <li>Iain Macneil, Chief Executive Officer, Witherby Publishing Group</li> <li>Andrew Clifton, Chief Operating Officer and General Manager, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> </ul>									
16:00 - 16:30	T3.6 Non-Intrusive Inspection (NII)	<p>Speaker</p> <ul style="list-style-type: none"> <li>Maitha Almazroei, Inspection Engineer, ADNOC</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>David Ledesma, Energy &amp; Strategy Consultant and Senior Fellow Oxford Institute for Energy Studies, South-Court Ltd</li> </ul>									
16:30 - 17:00	T3.6 The Longest And The Most Challenging Subsea Pipeline In Indonesia	<p>Speaker</p> <ul style="list-style-type: none"> <li>Dela Agung Septriady, Sr. Spv Operation Facilities Planning, PT Pertamina Gas</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>David Ledesma, Energy &amp; Strategy Consultant and Senior Fellow Oxford Institute for Energy Studies, South-Court Ltd</li> </ul>									
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 Technical Programme	 Strategical Programme	 Young Gatech Programme									
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme									
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17:00 - 17:30	T3.6 Machine learning and IIoT enabling unsupervised anomaly detection on compressors	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Mike Haines, CEO, Well Checked Systems International, LLC</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• David Ledesma, Energy &amp; Strategy Consultant and Senior Fellow Oxford Institute for Energy Studies, South-Court Ltd</li> </ul>
16:00 - 16:30	T1.6 Railways: the new link in the LNG logistics chain	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Calvin Xu, Co-founder and CEO of True North Energy, True North Energy</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• James Solomon, Director - LNG, Air Products</li> </ul>
17:00 - 17:30	T1.6 The Onshore LNG Virtual Pipeline	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Julian Terpitz, Product Development Manager, TGE Gas Engineering GmbH</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• James Solomon, Director - LNG, Air Products</li> </ul>
16:30 - 17:00	T1.6: Multimodal Transport of LNG ISOTanks: Pilot Projects Experience from China	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Calvin Xu, Co-founder and CEO of True North Energy, True North Energy</li> <li>• Aohan Qin, Engineer, China Classification Society</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• James Solomon, Director - LNG, Air Products</li> </ul>




























 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

16:00 - 16:30	T2.6 Physics-Enhanced AI in Real-Time Visual Monitoring for Methane Emissions Reduction	<p>Speaker</p> <ul style="list-style-type: none"> <li>Robert Kester, CEO, Rebellion Photonics</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Bruce Barnes, LNG Technology Manager, Bechtel Corporation</li> </ul>
16:30 - 17:00	T2.6 ISO 20088 for better CSP safety	<p>Speaker</p> <ul style="list-style-type: none"> <li>Sebastien Viale, New Materials R&amp;D Expert, TechnipFMC</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Bruce Barnes, LNG Technology Manager, Bechtel Corporation</li> </ul>
17:00 - 17:30	T2.6 Jet Fire Consequence Analysis	<p>Speaker</p> <ul style="list-style-type: none"> <li>Francesco Colella, Managing Engineer, Exponent Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Bruce Barnes, LNG Technology Manager, Bechtel Corporation</li> </ul>
17:00 - 17:30	T2.6 RESERVE: HSE Journey to a TRIFR of Zero - Case study	<p>Speaker</p> <ul style="list-style-type: none"> <li>Garry Ford, Executive Vice-President, Resource sector Americas and Asia Pacific, SNC-Lavalin</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Bruce Barnes, LNG Technology Manager, Bechtel Corporation</li> </ul>
16:00 - 17:00	Networking Skills Workshop in Association with ExxonMobil	

 Technical Programme	 Strategic Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

<p>16:45 - 17:30</p>	<p>A4: Financing of New Infrastructure in the Region: New Models for a New World Order</p>	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Nick Collins, Baker Botts LLP</li> <li>• Karthik Sathyamoorthy, AG&amp;P</li> <li>• Tomoki Muto, MUFG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Michael Stirling, Stirling Infrastructure Partner, Ltd</li> </ul>
<p> Technical Programme</p> <p> Diversity And Inclusion Programme</p> <p> VIP Programme</p>	<p> Strategical Programme</p> <p> Asia LNG Programme</p> <p> Plenary Programme</p>	<p> Young Gatech Programme</p> <p> Power &amp; Energy Programme</p> <p> Gas For Transportation Forum</p>

# Thursday, September 19 2019

Time(hrs.)	Programme	Speakers / Moderators									
07:00 - 08:30	VIP Networking Breakfast Briefing: Nigeria Gas & Power	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Tony Attah, Nigeria LNG</li> <li>• Mallam Mele Kolo Kyari, Nigerian National Petroleum Corporation</li> <li>• Rod Christie, Baker Hughes, a GE Company</li> </ul>									
09:00 - 09:30	Keynote Address: Exploring the Role of LNG in Powering the Next Generation of Space Exploration	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Jim Bridenstine, NASA</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Alex Stuckey, Houston Chronicle</li> </ul>									
09:00 - 09:15	Chair's Welcome and Statement	<p>Speaker</p>									
09:15 - 09:45	T1.7 Midscale is the New Small Scale	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Christopher Caswell, Director, Global LNG and FLNG Technology &amp; Development, KBR, Inc.</li> <li>• Michael Culligan, Manager, LNG Technology &amp; Licensing, ConocoPhillips</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• David Colson, Commercial Vice President, GTT (Gaztransport &amp; Technigaz) SA</li> </ul>									
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 VIP Programme	 Plenary Programme	 Gas For Transportation Forum									

09:45 - 10:15	T1.7 Supporting Gibraltar's move to a lower carbon future	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Oliver Butler, General manager LNG market development, Shell Global Solutions</li> <li>• Terje Iversen, Front End Development Manager, Shell Global Solution B.V.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• David Colson, Commercial Vice President, GTT (Gaztransport &amp; Technigaz) SA</li> </ul>
10:15 - 10:45	T1.7 Near-shore mooring and transfer solutions for LNG	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Clemens Van der Nat, Strategic Development Manager, Bluewater Energy Services B.V.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• David Colson, Commercial Vice President, GTT (Gaztransport &amp; Technigaz) SA</li> </ul>
09:15 - 09:45	T2.7 Mitsubishi Single String LNG Solution	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Keizo Yoneda, Deputy Engineering Manager, Mitsubishi Heavy Industries Compressor Corp</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• John Williams, Vice President of Marketing &amp; Technical Service, Aspen Aerogels, Inc.</li> </ul>
09:45 - 10:15	T2.7 Unique Platform-based LNG solutions facilitate mid-scale offshore LNG developments	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Larry Cutburth, Senior Project Manager, Wood</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• John Williams, Vice President of Marketing &amp; Technical Service, Aspen Aerogels, Inc.</li> </ul>

 Technical Programme

 Strategical Programme

 Young Gatech Programme

 Diversity And Inclusion Programme

 Asia LNG Programme










 Power & Energy Programme

 VIP Programme

 Plenary Programme










 Gas For Transportation Forum

10:15 - 10:45	T2.7 Debottlenecking of LNG plants	<p>Speaker</p> <ul style="list-style-type: none"> <li>Paul Mak, Manager Technology Shell's Integrated Gas Program Office , Shell</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>John Williams, Vice President of Marketing &amp; Technical Service, Aspen Aerogels, Inc.</li> </ul>
10:15 - 10:45	T2.7 RESERVE: Bringing LNG Train Installation into the 21st Century	<p>Speaker</p> <ul style="list-style-type: none"> <li>Douglas Seagraves, Project Engineer, Dimensional Engineering</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>John Williams, Vice President of Marketing &amp; Technical Service, Aspen Aerogels, Inc.</li> </ul>
09:15 - 09:45	T3.7 Impact of Thermodynamic Package Selection on Lean LNG Plant Design	<p>Speakers</p> <ul style="list-style-type: none"> <li>John Vincent Ergina, Chief Technology Engineer - LNG &amp; Gas Processing, KBR Inc.</li> <li>Alex Pence, Sr. Process Engineer – LNG &amp; Gas Processing, KBR, Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Linda Cote, Supervisor – Research &amp; Technology Development, Gas Treating, ExxonMobil Upstream Research Company</li> </ul>

 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum










09:45 - 10:15	T3.7 Membrane-Amine Hybrids for CO2 Removal-Technology Discussion and Case Studies	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Raj Palla, Sr. Business Development Manager, Honeywell UOP</li> <li>• Bhargav Sharma, Account Manager, Honeywell UOP</li> <li>• David Farr, Sr. Chemical Engineering Manager, Honeywell UOP</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Linda Cote, Supervisor – Research &amp; Technology Development, Gas Treating, ExxonMobil Upstream Research Company</li> </ul>									
10:15 - 10:45	T3.7 Recycling: CO2 Fixation into Methane using Ruthenium Base Catalysts	<p>Moderator</p> <ul style="list-style-type: none"> <li>• Linda Cote, Supervisor – Research &amp; Technology Development, Gas Treating, ExxonMobil Upstream Research Company</li> </ul>									
10:15 - 10:45	T3.7 RESERVE: Controlling a Mixed Refrigerant Liquefaction Process to Improve Operations	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Matthew Okasinski, Lead Engineer, Air Products and Chemicals</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Linda Cote, Supervisor – Research &amp; Technology Development, Gas Treating, ExxonMobil Upstream Research Company</li> </ul>									
09:15 - 10:10	G1: PANEL DEBATE: How Shipowners are Tackling the IMO 2020 Sulphur Cap – Strategies and Feasibility of Fuel Alternatives Examined	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Chad Veret, Q-LNG Transport</li> <li>• Jim Wagstaff, TOTE Maritime Puerto Rico</li> <li>• Patrick Janssens, American Bureau of Shipping</li> <li>• Matt Jackson, Crowley Maritime Corporation</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Peter Keller, SEA\LNG</li> </ul>									
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09:30 - 10:30	Plenary 10 - EPC Global Leaders' Panel: How can New Collaboration Models Support Greater Agility and Lower Costs Across the Industry?	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Bruce Grewcock, Kiewit</li> <li>• Nello Uccelletti, TechnipFMC</li> <li>• Andrew Wood, Worley</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Sergio Chapa, Houston Chronicle</li> </ul>
09:30 - 09:55	S1.7 US LNG - The Game Changer	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Andrew Walker, VP LNG Strategy and Communication, Cheniere Energy Inc</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Steven R. Miles, Energy Sector Chair &amp; LNG Practice Leader, Baker Botts</li> </ul>
09:55 - 10:20	S1.7 Twenty Twenty Five Vision: Designing the LNG Portfolio Business of the Future	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Elizabeth Spomer, Board Advisor, Gas Strategies</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Steven R. Miles, Energy Sector Chair &amp; LNG Practice Leader, Baker Botts</li> </ul>
10:20 - 10:45	S1.7 What Innovations are Commodity Traders Bringing to the LNG Market?	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Giles Farrer, Director - Global LNG, Wood Mackenzie</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Steven R. Miles, Energy Sector Chair &amp; LNG Practice Leader, Baker Botts</li> </ul>

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10:20 - 10:45	S1.7 RESERVE: Surfing the LNG Commoditization Wave Post 2020	<p>Speaker</p> <ul style="list-style-type: none"> <li>Abache Abreu, Head of Gas, Asia Insight, S&amp;P Global Platts</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Steven R. Miles, Energy Sector Chair &amp; LNG Practice Leader, Baker Botts</li> </ul>
09:30 - 09:55	S2.7 Meeting the Challenges of Economic Reconciliation	<p>Speaker</p> <ul style="list-style-type: none"> <li>Karen Ogen-Toews, Chief Executive Officer, First Nations LNG Alliance</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Naureen Malik, Energy Reporter, Bloomberg</li> </ul>
09:55 - 10:20	S2.7 Local Content & Sustainable Development in the Mozambique FLNG Industry	<p>Speaker</p> <ul style="list-style-type: none"> <li>Stefano Saviano, Sustainability Manager, Eni Rovuma Basin</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Naureen Malik, Energy Reporter, Bloomberg</li> </ul>
10:20 - 10:45	S2.7 Are We Spending Capital on the Right Emissions Reduction Strategies?	<p>Speaker</p> <ul style="list-style-type: none"> <li>Kelly Newnham, VP Onshore Hydrocarbons, Americas, Advisian, A Worley Group</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Naureen Malik, Energy Reporter, Bloomberg</li> </ul>
10:20 - 10:45	S2.7 RESERVE: Two Tailored Approaches to Gaining the Social License to Operate	<p>Speaker</p> <ul style="list-style-type: none"> <li>Matt Barr, Director, Government and Public Affairs, Cheniere Energy, Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Naureen Malik, Energy Reporter, Bloomberg</li> </ul>

 Technical Programme	 Strategical Programme	 Young Gatech Programme
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 VIP Programme	 Plenary Programme	 Gas For Transportation Forum










09:30 - 09:40	Chair's Closing Remarks	
09:40 - 11:00	Opening Keynote Panel: Increasing Natural Gas Adoption in the Power Generation Matrix	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Gregor Pett, Uniper</li> <li>• Martin Houston, Tellurian Inc.</li> <li>• Lori Traweek, American Gas Association</li> <li>• Dustin Meyer, American Petroleum Institute</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Dan Barrientos, AT Kearney</li> </ul>
10:10 - 11:00	G1: PANEL DEBATE: What the IMO 2020 and 2050 Legislation Means for a Beneficial Cargo Owner	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Felix Leggewie, Schulte Group</li> <li>• Debbie Turner, Howe Robinson &amp; Partners</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Rick Gabrielson, The Coalition for Responsible Transportation</li> </ul>
10:30 - 11:30	Plenary 11 - Global Business Leaders' Panel: Developing Collaborative Solutions to Support the Challenges of Changing Energy Systems	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Mallam Mele Kolo Kyari, Nigerian National Petroleum Corporation</li> <li>• Laura Rejón-Pérez, Repsol</li> <li>• Rod Christie, Baker Hughes, a GE Company</li> <li>• Izumi Kai, JERA Energy America LLC</li> <li>• Arja Talakar, Siemens Oil &amp; Gas</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Joshua Mann, Houston Business Journal</li> </ul>
 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

<p>10:30 - 12:00</p>	<p>D4: Integrating generations: How to embrace a changing workforce and why it is important to do so</p>	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Rodney Williams, National Grid</li> <li>• Sherina Maye Edwards, Quarles &amp; Brady LLP</li> <li>• Tyson Taylor, Pioneer Natural Resources</li> <li>• Joshua Atkins, FTI Consulting and Chair, Pride in Energy</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Katie Mehnert, Pink Petro</li> </ul>																		
<p>11:15 - 11:45</p>	<p>T2.8 Lessons Learned – Investigating failures of LNG containment systems</p>	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Antonios Vytiniotis, Managing Engineer, Exponent Inc.</li> <li>• Francesco Colella, Managing Engineer, Exponent Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Patrick Genoud, Deputy Managing Director, Business Development, Entrepouse Contracting</li> </ul>																		
<p>11:45 - 12:15</p>	<p>T2.8 Cryogenic LPG Storage Tanks – Integrity Threats &amp; Mitigation</p>	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Ibrahim Al Awadhi, Mechanical and Civil Engineering Department Manager, Adnoc Gas Processing</li> <li>• Yousef Madhi, Civil Engineer, ADNOC Gas Processing</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Patrick Genoud, Deputy Managing Director, Business Development, Entrepouse Contracting</li> </ul>																		
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12:15 - 12:45	T2.8 LNG Facility Life Extension Integrated Solution	<p>Speaker</p> <ul style="list-style-type: none"> <li>Vasant Saith, Chief Process Engineer, Worley</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Patrick Genoud, Deputy Managing Director, Business Development, Entrepose Contracting</li> </ul>
12:15 - 12:45	T2.8 RESERVE: Transforming tank integrity management using unmanned aerial vehicles (UAV)	<p>Speaker</p> <ul style="list-style-type: none"> <li>Phil Buchan, Commercial Director, Cyberhawk</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Patrick Genoud, Deputy Managing Director, Business Development, Entrepose Contracting</li> </ul>
11:15 - 11:45	T3.8 Remove Heavy Hydrocarbons from a Comprehensive Range of Feed Compositions	<p>Speaker</p> <ul style="list-style-type: none"> <li>Wes Qualls, Engineering Fellow, ConocoPhillips</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Annemarie Weist, Manager of Process Engineering, Air Products</li> </ul>
11:45 - 12:15	T3.8 Novel and efficient process to recover valuable by-products from NG	<p>Speakers</p> <ul style="list-style-type: none"> <li>Tobias Eckardt, Global Technology Manager Natural Gas, BASF SE</li> <li>Gabriel Salazar Duarte, Research &amp; Process Engineer, Linde AG / Engineering Division</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Annemarie Weist, Manager of Process Engineering, Air Products</li> </ul>

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12:15 - 12:45	T3.8 Improved LNG line-up	<p>Speaker</p> <ul style="list-style-type: none"> <li>• John Specht</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Annemarie Weist, Manager of Process Engineering, Air Products</li> </ul>
11:15 - 11:45	T1.8 Guidelines for reloading of LNG carriers at import terminals	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Olagoke Phillips, Technical Development Manager, National Grid Grain LNG, National Grid Grain LNG, GIGNL Technical Study Group</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ananda Nagavarapu, Technology Development Team Lead, LNG/HO Technology Development, ExxonMobil Upstream Research Company</li> </ul>
11:45 - 12:15	T1.8 The Development of Small-scale LNG Packages	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Hayato Asano, Project Manager, JGC Corporation</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ananda Nagavarapu, Technology Development Team Lead, LNG/HO Technology Development, ExxonMobil Upstream Research Company</li> </ul>
12:15 - 12:45	T1.8 TEMA LNG: Innovative LNG Solution	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Martin Mannion, Director, MML</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ananda Nagavarapu, Technology Development Team Lead, LNG/HO Technology Development, ExxonMobil Upstream Research Company</li> </ul>

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11:30 - 11:55	S1.8 How to Make Money on the Second Wave of USLNG	<p>Speaker</p> <ul style="list-style-type: none"> <li>Kristy Kramer, Head of Americas Gas Research, Wood Mackenzie</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Barry Worthington, Executive Director, US Energy Association</li> </ul>
11:55 - 12:20	S1.8 Mozambique LNG - A Clean Source of Energy for the 21st Century	<p>Speaker</p> <ul style="list-style-type: none"> <li>Gonzalo Cabrera, General Manager LNG Economics and Market Analysis, Anadarko Petroleum Corporation</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Barry Worthington, Executive Director, US Energy Association</li> </ul>
12:20 - 12:45	S1.8 ELNG Success Story – Plant Turndown Ratio	<p>Speakers</p> <ul style="list-style-type: none"> <li>Ahmed Ezz, Production Director, EgyptianLNG</li> <li>Tamer Abdelsalam, Optimization Senior Manager, EgyptianLNG</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Barry Worthington, Executive Director, US Energy Association</li> </ul>
11:30 - 11:55	S2.8 Permian Basin Production and the Development of Gulf Coast Liquefaction	<p>Speaker</p> <ul style="list-style-type: none"> <li>Corey Grindal, Senior Vice President, Gas Supply, Cheniere Energy, Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Nick Baker, Senior Vice President, Infrastructure and Energy, Macquarie</li> </ul>










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11:55 - 12:20	S2.8 How to Capture the Emerging LNG Demand in South East Asia	<p>Speaker</p> <ul style="list-style-type: none"> <li>Katz Sato, Senior General Manager, Osaka Gas Co. Ltd</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Nick Baker, Senior Vice President, Infrastructure and Energy, Macquarie</li> </ul>									
12:20 - 12:45	S2.8 The Role of Government in the Development of LNG Markets	<p>Speaker</p> <ul style="list-style-type: none"> <li>Andreas D. Thanos, Gas Policy Specialist, MA DPU, NARUC</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Nick Baker, Senior Vice President, Infrastructure and Energy, Macquarie</li> </ul>									
12:20 - 12:45	S2.8 RESERVE: Paradise Found: History, Challenges & Insights of Island LNG Development	<p>Speaker</p> <ul style="list-style-type: none"> <li>Matthew Fusina, Senior Associate, Baker Botts LLP</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Nick Baker, Senior Vice President, Infrastructure and Energy, Macquarie</li> </ul>									
11:30 - 11:45	E1: Gas – No Longer the Bridge	<p>Speaker</p> <ul style="list-style-type: none"> <li>Balu Balagopal, AT Kearney</li> </ul>									
11:30 - 11:50	G2: Evolving Lessons Adopting & Using LNG as a Marine Fuel	<p>Speaker</p>									
11:45 - 12:45	E1: Power in the Energy Transition – how the world is evolving	<p>Speakers</p> <ul style="list-style-type: none"> <li>Chris Seiple, Genscape</li> <li>Cully Cavness, Crusoe Energy</li> <li>Yusuf Usman, Nigerian National Petroleum Corporation</li> <li>Giuseppe Sachero, Siemens Gas and Power LNG</li> </ul>									
11:50 - 12:10	G2: Fuelling Big Steps for LNG Bunker Vessels										
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12:00 - 13:00	Plenary 12 - Global Business Leaders' Panel: How Can the Industry Secure the Human Capital Needed to Deliver its Ambitious Plans?	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Delores Lenzy-Jones, CPS Energy</li> <li>• Anita Odedra, Tellurian</li> <li>• Meg O'Neill, Woodside</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Martha Feedback, Catalyst Inc.</li> </ul>
12:00 - 13:00	Plenary 15 - Global Leaders' Panel: How Can the Industry Secure the Human Capital Needed to Deliver its Ambitious Plans?	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Delores Lenzy-Jones, CPS Energy</li> <li>• Martin Houston, Tellurian Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Martha Feedback, Catalyst Inc.</li> </ul>
12:15 - 13:00	G2: Bunkering the First Dual-Fuel Container – US Case Study Discussed”	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Alisa Praskovich, Crowley LNG</li> <li>• Dallas Smith, United States Coast Guard</li> <li>• Mark Bell, Society for Gas as a Marine Fuel</li> </ul>
13:00 - 13:30	Plenary 13 - Special Address from the Young Gastech Trailblazer 2019	
13:30 - 14:00	Gastech Wrap Up by the Gastech Governing Body Co-Chairs	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Nick Milne, Macquarie Group &amp; Gastech Strategic Governing Body Co-Chair</li> <li>• Paul Sullivan, Worley &amp; Gastech Strategic Governing Body Co-Chair</li> <li>• Andrew Clifton, Society of International Gas Tanker and Terminal Operators (SIGTTO) &amp; Gastech Technical Governing Body Co-Chair</li> <li>• Christopher Caswell, KBR &amp; Gastech Technical Governing Body Co-Chair</li> </ul>
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14:00 - 14:25	S1.9 The Next Wave of LNG Contract Negotiations & Arbitrations	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Marijn van Diessen, Associate Partner , McKinsey &amp; Company</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ben Chu, Director of Equity, LNG &amp; Proprietary, Genscape</li> </ul>
14:25 - 14:50	S1.9 LNG Price Reopeners: Rest in Peace?	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Paul Griffin, Special Adviser, Oil &amp; Gas, White &amp; Case</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ben Chu, Director of Equity, LNG &amp; Proprietary, Genscape</li> </ul>
14:50 - 15:15	S1.9 LNG Liquidity Sparks New Commercial Models	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Susan Sakmar</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ben Chu, Director of Equity, LNG &amp; Proprietary, Genscape</li> </ul>
14:00 - 14:30	T2.9 IntelNG: Predictive Analytical Modelling of an LNG Plant	<p>Speaker</p> <ul style="list-style-type: none"> <li>• John Vincent Ergina, Chief Technology Engineer - LNG &amp; Gas Processing, KBR Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Jeremy Sweek, Co-Founder &amp; Managing Partner, Darcy Partners</li> </ul>
14:30 - 15:00	T2.9 Machine Learning for Automated Model Building in Oil and Gas	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Philippe Herve, VP Solutions, SparkCognition</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Jeremy Sweek, Co-Founder &amp; Managing Partner, Darcy Partners</li> </ul>
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15:00 - 15:30	T2.10 Industry 4.0 Revolution: Digital Twins Immersive Global Collaborative Work Environments	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Jim Novack, CEO, DYNATEC, S.A.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Jeremy Sweek, Co-Founder &amp; Managing Partner, Darcy Partners</li> </ul>
14:00 - 14:30	T3.9 Advances in Freeze Component Removal Technology for LNG Plants	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Galip Guvelioglu, Director of Gas Processing, McDermott</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Anne Keller, Product Director, Genscape, Inc.</li> </ul>
14:30 - 15:00	T3.9 Minimum OPEX and Environmental Friendly LPG Plant	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Hiroyuki Sangawa, Process Manager, JGC Corporation</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Anne Keller, Product Director, Genscape, Inc.</li> </ul>
15:00 - 15:30	T3.9 EZ Start: Depressurization of Refrigeration Compression System Without Venting	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Lorenzo Gallinelli, Senior Engineer, Baker Hughes, a GE Company</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Anne Keller, Product Director, Genscape, Inc.</li> </ul>
15:00 - 16:00	T3.9 RESERVE: Custom engineering or speed to market: Pick one	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Loyd Guillot, Senior Business Development Manager, SNC-Lavalin</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Anne Keller, Product Director, Genscape, Inc.</li> </ul>
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14:00 - 14:30	T1.10 Small-Scale LNG:Innovations to Reduce Cost and Schedule	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Joseph Voda, Commercial Development Manager - LNG, Air Products Chemicals Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Bruce Moore, Senior Broker - LNG, Howell Robinson Partners</li> </ul>
14:30 - 15:00	T1.9 Distributed LNG Production: LNG from any gas source	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Osvaldo del Campo, CEO, Galileo Technologies S.A.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Bruce Moore, Senior Broker - LNG, Howell Robinson Partners</li> </ul>
15:00 - 15:30	T1.9 Drastically reduce marine infrastructure through combinations of LNG transfer technology	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Alix Mouret, Business Development Manager, TechnipFMC</li> <li>• Renaud Ledevheat, Business Development Director, TechnipFMC</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Bruce Moore, Senior Broker - LNG, Howell Robinson Partners</li> </ul>
14:00 - 15:00	E2: Gas & Power: Decarbonising the Gas to Power Value Chain	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Maria Rita Galli, SNAM</li> <li>• Yuri Freedman, SoCalGas (Sempra Energy)</li> <li>• Greg Haas, Stratas Advisors</li> <li>• Juan Carbayo, CEPSA</li> </ul>
14:00 - 15:00	G3: Natural Gas as a Transport Fuel: A 15 Bcfd Market is Up for Grabs	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Martin Perez, Texas Propulsion LLC</li> <li>• Sarah Smith, FortisBC</li> <li>• Vic LaRosa, Total Transportation Services Inc.</li> <li>• Juan Carbayo, CEPSA</li> </ul>










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15:00 - 15:30	E2: Central America LNG-to-Power Case Study Industry Deep Dive: a detailed look into El Salvador's largest ever energy infrastructure investment – Energia del Pacifico's LNG-to-Power project	
15:00 - 16:00	G3: Informal Working Round Tables	<p>Speaker</p> <ul style="list-style-type: none"> <li>• John Hatley, Wärtsilä North America, Inc.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Peter Keller, SEA\LNG</li> </ul>
16:00 - 16:25	S1.10 2018 / 2019 Pricing Increasingly Supports Pricing LNG Against its Own Fundamentals	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Luke Stobbart , Managing Editor, Americas LNG, S&amp;P Global Platts</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ruth Liao, Editor LNG Americas, ICIS</li> </ul>
16:25 - 16:50	S1.10 JKM-TTF: Caught in the Middle with Henry	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Trevor Sikorski, Head of Natural Gas, Coal and Carbon Research, Energy Aspects</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ruth Liao, Editor LNG Americas, ICIS</li> </ul>
16:50 - 17:15	S1.10 Profiting from LNG Netback Pricing	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Gabriel Procaccini, Partner, Akin Glump Strauss Hauer &amp; Feld LLP</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ruth Liao, Editor LNG Americas, ICIS</li> </ul>

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16:50 - 17:15	S1.10 Reserve: Applying the Brent Template to Overcome Challenges Confronting LNG Commerce	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Kirk Kinnear, Principal, GPD Systems, LLC</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Ruth Liao, Editor LNG Americas, ICIS</li> </ul>									
16:00 - 16:30	T3.10 LNG Mega-Trains Revisited	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Mark Roberts, Engineering Associate, Air Products and Chemicals</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Don Victory, Chief Process Engineer, ExxonMobil</li> </ul>									
16:30 - 17:00	T3.10 AGAT: Get Ahead in Acid Gas Treating - Case Study	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Laurent Normand, Regional Sales Manager, Process Licensing, Axens Solutions</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Don Victory, Chief Process Engineer, ExxonMobil</li> </ul>									
17:00 - 17:30	T3.10 A Novel Direction for NGL Plant Design	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Grant McCool, Senior Systems Engineer, Linde Engineering North America</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Don Victory, Chief Process Engineer, ExxonMobil</li> </ul>									
16:00 - 16:30	T1.10 Case study - world's first floating LNG transfer system	<p>Speaker</p> <ul style="list-style-type: none"> <li>• David Knutsen, Chief Technology Officer , Connect LNG AS</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Tony Teo, Founder, LNGaSolutions, LLC.</li> </ul>									
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16:30 - 17:00	T1.10 Setting the standard for an automated LNG Bunker Delivery Note	<p>Speakers</p> <ul style="list-style-type: none"> <li>• Jeremy Shiflett, LNG Support Lead – Pacesetting and Downstream Support, Shell International</li> <li>• Claudia Beumer, Sales Manager, Wartsila</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Tony Teo, Founder, LNGaSolutions, LLC.</li> </ul>
17:00 - 17:30	T1.10 Development of SPB® LNG Tank for Bunkering Ship	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Tomohiro Furukawa, Naval Architect Structure Engineering Group, Japan Marine United Corporation</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Tony Teo, Founder, LNGaSolutions, LLC.</li> </ul>
17:00 - 17:30	T1.10 RESERVE: A novel solution for LNG bunkering and fueling	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Eric Zielinski, Upstream &amp; LNG Product Manager, SAIPEM</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Tony Teo, Founder, LNGaSolutions, LLC.</li> </ul>
16:00 - 16:30	T2.10 New technology for LNG marine transportation with IoT and Digital-Twin	<p>Speaker</p> <ul style="list-style-type: none"> <li>• Hideyuki Ando, Senior General Manager, MTI Co., Ltd</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>• Kevin Humphreys, General Manager – Merchant &amp; Gas Carrier Segment Sales, Wartsila, Inc</li> </ul>

 Technical Programme	 Strategical Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum

16:30 - 17:00	T2.10 Blockchains - A Key Enabler in the Energy Market	<p>Speaker</p> <ul style="list-style-type: none"> <li>Hassan H. Eldeeb, Graduate Research Assistant &amp; Ph.D. Candidate, Florida International University</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Kevin Humphreys, General Manager – Merchant &amp; Gas Carrier Segment Sales, Wartsila, Inc</li> </ul>
17:00 - 17:30	T2.10 MLNG Molecule Allocation Program (M-MAP)	<p>Speakers</p> <ul style="list-style-type: none"> <li>Izyan Farhana A Kaher, Senior APC Engineer (Liquefaction), Malaysia LNG Sdn Bhd</li> <li>Putri Sophiazura Megat Nor Hashim, Lead Process Satu (Liquefaction), Malaysia LNG Sdn Bhd</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Kevin Humphreys, General Manager – Merchant &amp; Gas Carrier Segment Sales, Wartsila, Inc</li> </ul>
17:00 - 17:30	T2.10 RESERVE: Industry 4.0 Revolution: Digital Twins Immersive Global Collaborative Work Environments	<p>Speaker</p> <ul style="list-style-type: none"> <li>Jim Novack, CEO, DYNATEC, S.A.</li> </ul> <p>Moderator</p> <ul style="list-style-type: none"> <li>Kevin Humphreys, General Manager – Merchant &amp; Gas Carrier Segment Sales, Wartsila, Inc</li> </ul>
16:00 - 16:45	E3: Coping with Risk in the LNG Industry	<p>Speaker</p> <ul style="list-style-type: none"> <li>Michael Lynch, Strategic Energy &amp; Economic Research Inc.</li> </ul>
16:00 - 16:15	Roundtable Moderator Feedback & Conclusions	
16:45 - 16:55	Chair's Closing Remarks	
 Technical Programme	 Strategic Programme	 Young Gatech Programme
 Diversity And Inclusion Programme	 Asia LNG Programme	 Power & Energy Programme
 VIP Programme	 Plenary Programme	 Gas For Transportation Forum