Research & Innovation Showcase
SHANGHAI WORLD EXPO EXHIBITION & CONVENTION CENTER (SWECC)
SHANGHAI, CHINA, 1 – 5 APRIL 2019

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PRINCIPAL SPONSORS:

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Wednesday 3 April 2019

15:00 - 17:00

Research & Innovation Showcase

This unique and dynamic session provides a global platform for the LNG industry’s latest technical developments. Authors will present their findings during an interactive showcase on topics including Process Technology, Modelling and Optimisation and application of IT Systems. This unique session invites delegates to engage directly with the authors, discussing the research and information presented.

Authors’ posters will also be displayed for delegates to view throughout the week of the conference.

Application of Information Technology Systems

- **Shu Xiaoqin**, Principal Engineer, China Huanqiu Contracting And Engineering Corporation - “T Tests and Studies on Pressurized LNG Leakage and Dispersion”
- **YANG Guang**, VP, Shenzhen Gas Corporation - “Application of Pipeline Simulation Technology in LNG Interchangeability for Multi-Source Scheduling of Shenzhen City”
Breakthrough Developments

- Aro Gervais, Innovation Engineer, TOTAL SA - “GBS LNG as a Near Shore Concept for LNG Development”
- Augusto Bulte, Gas Monetisation Consultant, Wood – “Production of Vehicles LNG at an LNG Plant”
- Jesús Losada Maseda, Business Development Manager, Reganosa – “LNG to Power in Islands - Malta Case with the FSU Terminal of Delimara”
- Masatada Kobayashi, Manager, Tokyo Gas – “LNG Mixing Behaviors Including Bubbles Observed During the Bottom Filling of Heavier LNG in LNG Mixed Storage”
- Randeep Agarwal, Adj. Associate Professor, The University of Queensland - “Small Scale LNG: A Speedy Solution for Cleaner Cooking for Millions”
- Sébastien Maufrais, Principal Process Engineer, TechnipFMC - “New-wave FLNG – A Competitive Large Capacity FLNG Available in the Short Term”
- Teru Asaka, Technology Manager, JGC Corporation - “Smart Digital Analysis Technology for Air-Cooled LNG Plant by Means of a Combination of Real-Time Data Operation Monitoring and Enhanced CFD Simulation”
Instrumentation, Controls and Automation

- **Anil Kumar**, Vice President, EPC Business Development APAC, **Schneider Electric** – “The Constructability Approach for LNG Plants”
- **Hamad Al-Karbi**, Senior Project Manager, **Qatargas Operating Company Ltd** - “Reliable Hydrates Management for Gas Pipelines by Utilising Meg Supply Network / Injections System”
- **Hugues Malvos**, Senior Project Manager, **ENGIE Lab CRIGEN** - “Lngauge: Innovation for LNG as a Fuel” & “LNG Flow Rate Measurement with a Laser Doppler Velocimetry Standard”
- **Kevin Warner**, Senior Vice President, **Mustang Sampling** – “Special Techniques of LNG Sampling and Analysis for FSRU Custody Transfer”
- **Tony Wimpenny**, Head of Global Product Sales, **Orbital Gas Systems** – “A Rethink of the Evaluation of LNG Cargo Value During Loading and Offloading”
- **William Schmidt**, Technology Manager, **Air Products And Chemicals, Inc.** – “Optimum Compressor Controls for Closed Loop Refrigeration”
- **Zainab Kayat**, Custodian Engineer, Process Design & Engineering, **PETRONAS** – “Pushing the Limit of LNG Production by Har Digital 1.0”
Machinery and Equipment

- **Antonio Pelagotti**, Engineering Manager, BHGE - “Compressors Rebundle to Increase LNG Production” & “Technology Evolution of LNG Refrigerant Turbocompressors”
- **Chen Sun**, Engineer, JGC Corporation - “An Advanced System Featuring the Mild Mixing of Gas in a Drum”
- **David Wilson**, Senior Manager – Aeroderivative Gas Turbines O&G, Siemens Canada – “Market Driven Improvements in Aero GT in Mechanical Drive Duty - SGT-A65”
- **Emmanuel Bustos**, Engineering Technical Officer, TechnipFMC – “Mechanical Drivers for LNG Projects - a Compilation of Know-how”
- **Jin su Ha**, Engineer, Daewoo Shipbuilding & Marine Engineering (DSME) - “Material Selection Guideline for Exhaust Gas Cleaning System”
- **Kenichi Kobayashi**, Section Leader, Plot Engineering Section, Chiyoda Corporation - “New Concept for Standardized Large-Scale Modular LNG Plant Design”
- **Paola Mayorca**, Group Leader, Concrete Structures, DNV GL - “Gas Migration from LNG Full Containment Tanks”
- **Shinichi Ito**, Manager, Tokyo Gas - “The First Practical Full-HD Cryogenic Tank Visualization System in the World”
Modelling and Optimisation

- **CHEN Jie**, Chief Engineer, **CNOOC Gas & Power Limited** – “CFD Study of Heat Transfer in Falling Films for LNG Spiral Wound Heat Exchanger Under Offshore Conditions”
- **Deyuan Wu**, Chief Technology Advisor, **KBR** - “Not All Sites Are Equal – CFD for LNG Plot Plan Assessment”
- **Eric May**, Chevron Chair In Gas Process Engineering, **The University Of Western Australia** - “New Data, Sensors and Models to Avoid Cryogenic Solids Formation in LNG Production”
- **Frédéric Legrand**, Engie Research, LNG Lab Manager, **ENGIE** – “Optimization of LNG Road Transport and Distribution Strategy to Deliver Fueling Stations” & “LNG Bunkering Software: Ensuring Safe and Optimized Operation for LNG as a Fuel”
- **Kaoutar El-Khorassani**, LNG Senior Technologist, **Saipem** – “Hot Air Recirculation or Insufficient Air Inbreathing?”
- **Lin Chang**, Senior Engineer, **China Huanqiu Contracting And Engineering Corporation** - “Dynamic Simulation Application in the Natural Gas Liquefaction Plant”
- **Yuanling Song**, Senior Engineer, **China Huanqiu Constructing & Engineering - Beijing** - “Nitrogen Drying and Purging Dynamic Simulation of 200,000M3 LNG Storage Tank”
Process Technology

- **Doug Ducote**, VP Process Plant Technology, **Chart Industries** - “Right Sizing Mid-Scale LNG with IPSMR® Process Technology”
- **Eric May**, Chevron Chair In Gas Process Engineering, **The University Of Western Australia** - “New Gas Processing Technologies for Nitrogen Rejection and Helium Capture”
- **John Mak**, Senior Fellow, **Fluor** – “Integrated Technology in Processing High CO2, High N2 Offshore Gas for LNG Production”
- **Osamu Adachi**, Chief Engineer (LNG Receiving Terminal), **JGC Corporation** – “Gas Engine Power Generation System Utilizing BOG From LNG Receiving Terminals”
- **Trevor Smith**, Product Line Manager, **Honeywell UOP** – “Solvent-Free LNG Pretreatment: A Simple Adsorption-Based System for Acid Gas, Water, & Heavy Hydrocarbon Removal”
- **Yijun Liu**, Engineering Associate, **ExxonMobil Upstream Research Company** – “The High Pressure Expander Process (HPXP) Technology”