

AGENDA

13:00 – 14:00	<p>Networking Lunch Participants arrival, refreshments and networking.</p>
14:00 – 14:10	<p>Welcome Address Dr. Nicolas Droushiotis Chair, SUT Eastern Mediterranean Branch Title: <i>SUT East Mediterranean: Building a Regional Community for Offshore Energy, Innovation and Talent Development</i></p>
14:10 – 14:20	<p>SUT International Mike Fearn Chairman, Society for Underwater Technology (SUT) Title: <i>Overview of SUT International and opportunities for students and young professionals.</i></p>
14:20 – 14:30	<p>Society of Petroleum Engineers (SPE) – Cyprus Section Kostas Poursanidis Chairman, SPE Cyprus Section Title: <i>Introduction to the Society of Petroleum Engineers – Cyprus Section.</i></p>
14:30 – 14:45	<p>Regional Development in the Eastern Mediterranean International Oil and Gas Operator Speaker to be Confirmed (TBC) Title: <i>Regional perspective on offshore energy developments and opportunities in the Eastern Mediterranean.</i></p>
14:45 – 15:00	<p>Coffee Break</p>
15:00 – 15:30	<p>Offshore Project Cycle – From Discovery to Development Daryl Lloyd Clayton Country Engineering Manager Subsea7 – London, UK Title: <i>An overview of the offshore project lifecycle, from early field discovery through engineering, planning and development.</i></p>
15:30 – 15:35	<p>Q&A Session</p>
15:35 – 16:05	<p>Field Development and Field Layout Daniel Manso Haddad Country Engineering Manager, Subsea7 – Rio de Janeiro, Brazil GPC West Enrajda Cakalli Lead Subsea Project Engineer, Saipem SA (France) Title: <i>Key principles of field development planning and subsea field layout design.</i></p>
16:05 – 16:10	<p>Q&A Session</p>
16:10 – 16:40	<p>Case Study – Making a Challenging Project a Reality in Record Time Dr. Stelios Panayides Engineering Assurance Manager Subsea7 – London / Brazil GPC West Title: <i>A real-world project case study highlighting engineering challenges, execution strategies and lessons learned.</i></p>
16:40 – 16:45	<p>Q&A Session</p>
16:45 – 17:00	<p>Coffee Break</p>
17:00 – 17:15	<p>Industry–University Collaboration Dr. Pavlos Stephanou Associate Professor, Cyprus University of Technology Title: <i>The role of academia–industry collaboration in innovation, research and workforce development.</i></p>
17:15 – 17:35	<p>SUGARS Project Kyproula Georgiou Cyprus University of Technology / Cyprus Hydrocarbons Company Title: <i>Presentation of the SUGARS project and its contribution to energy and offshore research initiatives.</i></p>
17:35 – 17:45	<p>Q&A Session</p>
17:45	<p>Closing of the Technical Programme Networking Event: Summer Breeze Social</p>

BOOK OF ABSTRACTS

SUT DAY CYPRUS 2026

Society for Underwater Technology (SUT) | Eastern Mediterranean Branch – Cyprus

SUT East Mediterranean: Building a Regional Community for Offshore Energy, Innovation and Talent Development

Speaker

Dr. Nicolas Droushiotis

Senior Project Engineer, Cyprus Hydrocarbons Company (CHC)
Chair, SUT Eastern Mediterranean Branch



Abstract

This presentation provides an overview of the development of the Society for Underwater Technology (SUT) East Mediterranean Branch and the efforts undertaken over the past few years to establish a strong platform connecting industry, academia, government, and students across the region.

The talk will highlight the strategic programme agreed by the SUT East Mediterranean Professional Committee for 2026 and 2027, supported by universities, operators, service companies, and technology providers. A major milestone has been the establishment of the SUT Student Chapter at the Cyprus University of Technology, bringing students closer to industry and creating new opportunities for technical learning, networking, and professional development.

The presentation will showcase successful events delivered through this collaboration, including technical presentations by Crondall Energy on innovative floating power concepts and OneSubsea on subsea processing technologies. It will also highlight the current SUT event, where senior SUT representatives have travelled to Cyprus to engage directly with members, while companies such as Subsea 7 and Saipem share technical insights from offshore projects.

A key achievement has been the successful expansion of regional participation, including engagement with companies and universities from Egypt, strengthening cooperation across the Eastern Mediterranean. Looking ahead, additional technical events are planned with Lavar Shipping and Worley, while collaboration with the SUT Houston Branch aims to formalise student exchange opportunities and strengthen international links.

The presentation will conclude by recognising the efforts of the SUT and SPE communities in Cyprus and encouraging continued support from industry and academia to develop future talent and advance the offshore energy sector for the benefit of the region.

Biography

Dr. Nicolas Droushiotis is a Senior Project Engineer at the Cyprus Hydrocarbons Company (CHC), supporting offshore gas monetization activities in Cyprus. He also serves as Chair of the SUT Eastern Mediterranean Branch. His experience spans applied research, process engineering, petroleum technology, and project management, and includes numerous publications and industry-recognized technical contributions.



Overview of SUT International and Opportunities for Students and Young Professionals

Speaker

Mike Fearn

Chairman, Society for Underwater Technology (SUT)
Vice President, Bluefield Geoservices



Abstract

The Society for Underwater Technology (SUT) is a global learned society dedicated to advancing marine science, offshore engineering, and underwater technology through education, collaboration, and professional development. SUT provides a wide range of industry-recognised training programmes, technical workshops, webinars, and conferences that support the development of professionals across the offshore energy, marine, and subsea sectors. Through its extensive network of Special Interest Groups (SIGs), the Society fosters knowledge sharing, innovation, and cross-disciplinary collaboration, bringing together experts from academia, industry, and government to address emerging challenges and opportunities in the underwater domain.

A flagship example of this collaborative approach is the Offshore Site Investigation and Geotechnics (OSIG) community, which promotes the exchange of cutting-edge research and industry best practice. Looking ahead, the 10th International SUT OSIG Conference (OSIG 2027), to be held in London from 14-16 September 2027, will provide a premier forum for geophysicists, geoscientists, and geotechnical professionals to explore advances in offshore energy, resource resilience, data integration, geohazards, and emerging technologies shaping the future of the offshore sector.

Biography

Mike Fearn is the current Chairman of the Society for Underwater Technology (SUT), a role he has held since December 2024, and is also Vice President of Bluefield Geoservices. He began his career in the mid-1990s in Aberdeen's Oil & Gas sector, first working offshore as a deck hand for a mooring company before being drawn to geotechnics and geology. He studied Geology and Geotechnics at the University of Leeds while working at Gardline.

Over the years, Mike has held roles ranging from offshore geotechnical operator and engineer to Offshore Manager and Project Manager, including supporting commercial and business development activities in operations worldwide. Professionally, he sits within the global OSIG (Offshore Site Investigations & Geotechnics) community, serves on the board of advisors for the Deepwater Technology Conference, and as SUT Chairman he aims to bring branches and Special Interest Groups closer together, engage with student bodies, support mentorship, and encourage growth and support for women in industry.

Professional Background and Current Role

Mike Fearn currently serves as Chairman of the Society for Underwater Technology and Vice President of Bluefield Geoservices. His professional experience spans offshore geotechnics, offshore management, project management, and international commercial and business development, with extensive involvement in global offshore energy operations.

Educational Background

- Geology and Geotechnics - University of Leeds

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Society for Underwater Technology (SUT) | Eastern Mediterranean Branch - Cyprus

Introduction to the Society of Petroleum Engineers (SPE) - Cyprus Section

Speaker

Kostas Poursanidis

Chairperson, SPE Cyprus Section
Regional Manager, EMED, Pontem Analytics



Abstract

The presentation will provide an overview of the journey of SPE in Cyprus, from the establishment of the SPE Student Chapter at the University of Nicosia to the creation and continued growth of the SPE Cyprus Section. It will explore how a student-led initiative evolved into a professional organization that supports knowledge sharing, networking, and professional development within the energy sector.

The talk will highlight the key milestones that have shaped SPE Cyprus over the years, including technical presentations, industry guest speakers, field trips, outreach activities, and collaborations that have connected students and professionals with the wider energy industry. It will also discuss the benefits of SPE membership and the role the organization plays in supporting career development, technical excellence, and industry engagement.

The presentation will conclude with an overview of the section's recent achievements, ongoing initiatives, and plans for the coming year, providing insight into the future direction of SPE Cyprus and its contribution to the development of the regional energy community.

Biography

Kostas Poursanidis is a graduate of the Oil and Gas Engineering Department at the University of Nicosia, the institution where the SPE Student Chapter and the foundations of the SPE Cyprus Section were established. Following his graduation, he worked in the UK as a Flow Assurance Engineer and later as a Senior Flow Assurance Engineer, supporting the design and operation of complex offshore oil and gas developments.

Today, Kostas serves as Chairperson of the Cyprus SPE Section and Regional Manager for EMED at Pontem Analytics. In his professional role, he leads regional business development activities and supports operators and service companies with advanced engineering challenges and production optimization. Pontem Analytics develops innovative solutions and analytical technologies that help energy companies improve production performance and decision-making. Through these activities, Pontem Analytics supports many of the major energy developments in the EMED region, as well as oil and gas assets worldwide.



Offshore Project Cycle - From Discovery to Development

Speaker

Daryl Lloyd Clayton

Country Engineering Manager - London - Brazil GPC West
Subsea7



Abstract

An overview of the offshore project lifecycle, from early field discovery through engineering, planning and development.

Biography

Daryl Lloyd Clayton is a Country Engineering Manager at Subsea7, covering London - Brazil GPC West. He rejoined Subsea7 in 2025 as a PEM on the Mero/Buzio's 8 Programme (Pre-Portfolio Synergises). Previously, he spent 10 years with Subsea7 in senior discipline leadership roles across Structures, Piping, V&C and CAD in GPC and AP, based in London, Kuala Lumpur and Suresnes.

Over the course of his career, Daryl has progressed from Senior Engineer to Lead Engineer, Deputy Discipline Manager (Structures and Piping), Discipline Manager (Structures and Piping) and Senior Discipline Manager - Structures, Piping, V&C and CAD. His work has involved global project delivery and interfacing with the main West and East Global Project Centre Hubs. He has extensive experience managing multidisciplinary teams across several time zones and cultures, with a strong focus on improving engineering delivery.

In addition to his academic qualifications, he has gained over 25 years of practical industry experience working with Subsea7, DNV, ConocoPhillips, Kellogg, Brown and Root (KBR), Corus, Port Equipment Engineering and ABP. He is a Chartered Engineer with the Institution of Mechanical Engineers (IMechE).

Professional Background and Current Role

Country Engineering Manager - London - Subsea7. Rejoined Subsea7 in 2025 as a PEM on the Mero/Buzio's 8 Programme (Pre-Portfolio Synergises). Previously Senior Discipline Manager for Subsea7 across Structures, Piping, V&C and CAD in GPC and AP.

Educational Background

- MSc Oil and Gas Engineering - Robert Gordon University, 2015
- Mechanical Engineering Bachelor of Engineering DIS - Loughborough University, 2009
- Chartered Engineer, Institution of Mechanical Engineers (IMechE), since 2016



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Society for Underwater Technology (SUT) | Eastern Mediterranean Branch - Cyprus

Field Development and Field Layout

Speaker

Daniel Manso Haddad

Country Engineering Manager - Rio - Brazil GPC West



Abstract

Key principles of field development planning and subsea field layout design.

Biography

Daniel Manso Haddad has extensive experience in subsea projects and is currently Country Engineering Manager in Rio de Janeiro, leading a 200-person engineering team. He has previously managed Project Engineering Managers and led major EPCI projects, including Petrobras' Mero 3. His international experience includes working in three Subsea7 offices in Brazil, the UK and Australia.

Daniel has 20 years of experience in the Oil and Gas industry, working for multiple clients across different countries. His background combines technical expertise in rigid pipeline systems with progressive leadership roles, from pipeline engineer to senior engineering management.

Professional Background and Current Role

20 years of experience in the Oil and Gas industry, combining technical expertise in rigid pipeline systems with progressive leadership roles from pipeline engineer to senior engineering management.

Educational Background

- Mechanical Engineering, 2007
- MSc Mechanical Engineering - UFRJ University, Brazil, 2011



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Society for Underwater Technology (SUT) | Eastern Mediterranean Branch – Cyprus

Field Development and Field Layout

Speaker

Enrajda Cakalli

Lead Subsea Project Engineer for Saipem SA (France)

Abstract

Key principles of field development planning and subsea field layout design.



Biography

Enrajda Cakalli has extensive experience in subsea projects, both in design and installation scopes, including major projects such as Shah Deniz 2, Karish and Karish North, and Kaminho. She has led teams of 3–5 engineers in producing engineering deliverables for rigid pipeline, subsea structures, flexibles and tie-in operations. She has also served as Client Representative for Energean on rigid pipeline and subsea structures offshore. She has extensive offshore experience across various vessels and scopes.

Professional Background and Current Role

Enrajda Cakalli has 16 years of experience in the Oil and Gas industry, including 2 years as a graduate subsea engineer for 2H Offshore (UK), 9 years as Lead / Senior Subsea Project Engineer for Saipem LTD (UK), 3 years as Lead / Senior Engineer for Energean LTD (UK, Greece), and another 2 years as Lead Project Engineer for Saipem SA (France).

Educational Background

- MSc Structural Engineering – Cardiff University, 2010, graduated with Distinction
- Chartered Engineer with IMAREST since 2013



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SUT DAY CYPRUS 2026

Society for Underwater Technology (SUT) | Eastern Mediterranean Branch - Cyprus

Case Study - Making a Challenging Project a Reality in Record Time

Speaker

Dr. Stelios Panayides MEng (Hons), MSc, PhD

Engineering Assurance Manager - London / Brazil GPC West
Subsea7



Abstract

A real-world project case study highlighting engineering challenges, execution strategies and lessons learned.

Biography

Dr. Stelios Panayides is an Engineering Assurance Manager at Subsea7, covering London / Brazil GPC West. Throughout his 20-year career in offshore energy, he has contributed to numerous subsea design, installation and construction projects, as well as FEED studies across Subsea7 and Seaway7 regions. He brings deep expertise in Geotechnical and Subsea Engineering and has supported and led multidisciplinary and multifunctional teams in resolving complex technical challenges.

Stelios joined Subsea7 as a Geotechnical Engineer after completing his doctoral studies at Newcastle University in the UK. Since then, he has progressed through several senior technical and functional leadership roles, including Senior Manager for Expertise disciplines in GPC & Asia Pacific, Design & Analysis Performance Senior Manager, and, from April 2025, GPC Engineering Assurance Manager in Brazil & GPC West, with responsibility extended to the Installation Function.

Educational Background

- Diploma (HND) Civil Engineering - Higher Technical Institute, Cyprus, 2002
- MEng (Hons) Civil Engineering - Newcastle University, UK, 2006
- MSc Geotechnical Engineering with Consultancy Skills - Newcastle University, UK, 2007
- PhD Geotechnical Engineering - Newcastle University, UK, 2012



Industry–University Collaboration

Speaker

Assoc. Prof. Pavlos Stephanou, PhD

Associate Professor, Department of Chemical Engineering
Cyprus University of Technology



Abstract

Close collaboration between academia and industry is essential for fostering innovation, accelerating knowledge transfer, and addressing real-world challenges. On the one hand, academia contributes fundamental research, theoretical expertise, and a pipeline of skilled graduates, while, on the other hand, industry provides the opportunities for the application of research outcomes to address real-life problems. By working together, both sectors can accelerate the translation of scientific discoveries into tangible societal and economic benefits. This presentation highlights the synergies between the Department of Chemical Engineering at the Cyprus University of Technology and a range of industrial partners, showcasing successful collaborations and their impact. It also explores emerging opportunities for strengthening existing partnerships and fostering new collaborations with industry stakeholders to drive innovation, knowledge exchange, and sustainable growth.

Biography

Assoc. Prof. Pavlos Stephanou, PhD (b. 1982) graduated from the Department of Chemical Engineering, University of Patras, Patras, Greece, in 2006. He then pursued postgraduate studies at the same department under the guidance of Prof. Vlasis Mavrantzas, obtaining his PhD in 2011. During his career, he has received numerous grants and awards, including the Cyprus Research Award – Young Researcher 2015 (Thematic Area: Physical Sciences and Engineering) and the Papanastasiou Award from the Hellenic Society of Rheology (June 2025).

Since September 2019, he has been employed as a faculty member in the Chemical Engineering Department at the Cyprus University of Technology. He is considered an expert in using non-equilibrium thermodynamics to derive mathematical models for complex fluids and in using simulation strategies to study the dynamics of complex systems. Dr. Stephanou is the author or co-author of approximately 50 journal publications (h-index 18, based on Scopus).

Professional Background and Current Role

He is currently participating in two research projects from the Research and Innovation Foundation (RIF): PHD IN INDUSTRY/1222/0123 and SMALL SCALE FRASTRUCTURES/1222/0181. He is also the principal investigator of one research project from the European Space Agency (ESA) (ID: I-2023-10808).

Educational Background

- Department of Chemical Engineering, University of Patras, Patras, Greece — Diploma, 2006 (GPA: 9.24/10)
- Department of Chemical Engineering, University of Patras, Patras, Greece — PhD, 2011

SUGARS project

Presentation of the SUGARS project and its contribution to energy and offshore research initiatives

Speaker

Kyproula Georgiou

PhD Candidate, Cyprus University of Technology / Cyprus Hydrocarbons Company



Abstract

Growing global demand for natural gas (NG) and the depletion of easily accessible reserves have driven the industry toward deepwater developments, where the presence of hydrogen sulfide (H_2S) and carbon dioxide (CO_2) creates significant technical, environmental, and operational challenges. Sour gas, defined as natural gas containing more than 4 ppmv H_2S , requires treatment before utilization due to its toxicity and strict environmental regulations. Offshore processing is further complicated by limited space, stringent health, safety, and environmental requirements, and demanding operating conditions.

This study investigates an integrated offshore sour-gas management concept using Aspen Plus simulations to evaluate the feasibility of a natural gas desulfurization process. The proposed configuration consists of an amine sweetening unit, a thermal oxidizer, a seawater scrubber, and an aeration tank. A sensitivity analysis identified key parameters affecting emissions, including seawater temperature, gas flow rate, and H_2S concentration.

Environmental impacts were evaluated using COMSOL Multiphysics to simulate atmospheric emissions and marine effluent dispersion. Numerical models were developed to assess pollutant transport, dilution, concentration distribution, atmosphere heat-transfer effects, and seawater pH evolution. MATLAB-based Gaussian plume models were developed and validated against CFD simulations for both air and marine environments, demonstrating good agreement while significantly reducing computational requirements.

Finally, Aspen Plus and MATLAB outputs were integrated to generate a comprehensive dataset for the development of a machine-learning tool aimed at supporting rapid and informed decision-making for offshore sour-gas developments.

Biography

Kyproula Georgiou holds a First-Class Honors bachelor's degree in chemical engineering from Cyprus University of Technology and is currently pursuing a PhD at the same university in collaboration with Cyprus Hydrocarbons Company, funded by the Research Innovation Foundation. Her current work focuses on optimizing in silico sour gas processing for offshore deepwater gas technology applications in the Eastern Mediterranean Region.

Kyproula completed her bachelor's thesis in Computational Fluid Dynamics. She also worked as a lab technician and as a chemical engineering intern in the pharmaceutical industry, demonstrating skills and the ability to integrate theoretical knowledge with real-world industrial processes.