

Supported by:



**Title: Masterclass in Introduction to the Offshore Oil & Gas Industry Course (2 days)**

**Date/Time: Thursday & Friday, 27<sup>th</sup> & 28<sup>th</sup> June 2019 / 09:00 hrs to 17:00 hrs**

**Venue: Mercure Singapore Bugis  
122 Middle Road, Singapore 188973**

Day 1:

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### **1: Introduction**

- Origins of Oil and Gas
- Industry Segments: upstream / E&P, mid-stream, downstream. Client Organisations, Oil & Gas Service Providers.
- Reserves / licensing
- Geology / reservoirs types
- Oil & Gas Exploration
- Oil & Gas Economics

### **2: Exploration: Seismic & Drilling**

- Seismic
- Well Engineering:
- Drilling Operations
- Well Completion

### **3: Field Development**

- Project Pipeline
- Field Development Process
  - Exploration
  - Appraisal
  - Concept Selection
  - Execution
  - Operations
  - Decommissioning/Reuse

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- Production Platforms:
  - Jacket Platforms
  - Gravity Based Structures
  - Compliant Towers
  - Semi-submersible Platforms
  - Tension-leg Platforms TLPs
  - Spar Platforms
  - Jack-up Platforms
  - Floating Production Systems
  - Subsea Production Systems
  - LNG facilities
  - Exporting facilities

## Day 2:

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### **4: Oil & Gas Operations**

- Production Process
- Operations: Logistics, maintenance, integrity.
- Drilling

### **5: Pipelines**

- Design & Engineering
- Installation

### **6: Downstream Operations**

- Storage, logistics, trade

### **7: Decommissioning**

- Regulations
- Decommissioning Options

### **8: Health, Safety, Environment and Quality (HSEQ)**

- Compliance & Culture
- Hazards & Risks
- Lesson Learned: Past incidents
- Environmental Considerations

### **10: Conclusion**

### **Q&A**

**Speaker's biography: Dr. Riz Sheikh** PhD DIC MEng ACGI CEng CMarEng MIMarEST  
Metocean Specialist, Metocean Hub Ltd.



Dr Rizwan Sheikh (Riz) is a Metocean Specialist with close to 20 years “hands-on” experience. He received a First-Class Master of Engineering Degree from Imperial College in 1996, for which he was awarded the Sir Bruce White Prize for outstanding achievement in Fluid Mechanics. He subsequently went on to complete a doctoral thesis in Applied Hydrodynamics in 2004 under the supervision of Professor Christopher Swan of Imperial College London. More recently in 2016 Riz successfully completed the University of Stanford course on Machine Learning.

Over the course of Riz's career he's supported numerous major Oil & Gas projects when serving as a Technical Authority in Shell and Petronas Carigali. He's provided a full range of consultancy services and conducted R&D for BMT, DNV-GL (formerly Nobel Denton) and Fugro as well as published several conference and journal publications. In May 2017 Riz incorporated Metocean Hub Limited through which he supports the installation of the East Anglia ONE OWF as well as providing consultancy services to a wide range of organisations as well as serving as Expert Witness for Metocean related matters. Riz is currently the Course Lead for the IMarEST Metocean Awareness Course and regularly delivers customized industry courses on Metocean Engineering & Data Science to clients in the offshore sector.

## Registration Form

### Masterclass in Introduction to the Offshore Oil & Gas Industry Course

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#### Delegate Information

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Job Title: \_\_\_\_\_

Company Address: \_\_\_\_\_

Tel: \_\_\_\_\_ Email: \_\_\_\_\_

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#### Registration Options

IMarEST Member rate S\$ 1,100

IMarEST Non-Member rate S\$ 1,200

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#### Payment Method

Please invoice       Cheque       Bank transfer

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For full details on terms and conditions including cancellation policy please visit:  
[www.imarest.org/events](http://www.imarest.org/events)

Delegates will receive one year's complimentary affiliate IMarEST membership.

Email the completed form to: [jenny.seow@imarest.org](mailto:jenny.seow@imarest.org) or send by post to:

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