Marine Operations Specialty Symposium

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About the Book

This valuable edition covers all offshore operation and installation related issues, which will be of interest to many segments of the offshore. It demonstrates the many noteworthy offshore facilities installed and completed in both shallow and deepwater fields worldwide. This book contains the selected papers after the review papers. The contributing authors are from key oil & gas companies, consultants, contractors, classification societies, universities and research institutes.

Topics Covered

**Lessons Learnt and Codes**
- Topsy Turvy Twelve Pile Launches
- Updated DNV Codes for Marine Operations

**Transportation**
- Heavy-Lift Transport Ships — Overview of Existing Fleet and Future Developments
- A New Approach to Designing and Approving Barge Tows

**Hydrodynamics and Lifting Operations**
- First and Second Order Wave Effects in Narrow Gaps Between Moored Vessels
- Hydrodynamic Coefficients of Porous Plates and Application to Subsea Deployment
- Simplified Method for Prediction of Hydrodynamic Forces on Subsea Structures Lifted Through Wave Zone
- Dynamic Amplification Factors in Lifting Operations for Installation of a Subsea Spool

**Installation of Subsea Template**
- Wet-Tow and Installation of Subsea Templates
- The Pencil Buoy System — Installation of Subsea Structures without Offshore Crane Vessel

**Pipeline Installation**
- Reducing the Cost of Offshore Pipelines
- Analysis of an Alternative Pipeline Installation Procedure that Combines Onshore Deflection and Offshore Transportation
- Design and Installation of Steel Transfer Lines for Deep Water Export Terminals

**General**
- Ampelmann Demonstrator: Completion of a Motion Compensation Platform for Offshore Access and Review of Different Applications
- Response Based Motion Analysis Methods for a Turret Moored FPSO
- Weather Routing: Uncertainties and the Effect of Decision Support Systems
- Design and Construction Considerations for Compliant Towers Offshore Borneo Transport and Installation of Shah-Deniz TPG500 in the Caspian Sea

Readership: Researchers, Academics and Engineers. MOSS suits for the boom of shallow and deepwater operations and facility installation activities worldwide from universities, research institutes, third parties, and offshore industries.


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