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Subsea Pipeline Engineering-Andrew Clennel Palmer 2008 Authored by two of the world's most respected authorities in subsea pipeline engineering, this definitive reference book covers the entire spectrum of subjects in the discipline, from route selection and planning to design, construction, installation, materials and corrosion, inspection, welding, repair, risk assessment, and applicable design codes and standards. Particular attention is also devoted to the important specialized subjects of hydraulics, strength, stability, fracture, and buckling.

Advances in Subsea Pipeline Engineering and Technology-C.P. Ellinas 2012-12-06 Dr C P Ellinas Advanced Mechanics & Engineering Ltd Major advances have been achieved in recent years in subsea pipeline design and installation. Inspection, maintenance and repair have also received much attention. The development of marginal fields has brought with it special problems, which have necessitated novel methods and solutions. In the meanwhile interest in the development of deepwater fields continues with the development of new technology. This Conference has placed emphasis in addressing developments in pipeline technology under four main headings: pipeline/seabed interaction; flexible pipelines; pipeline design, fabrication and installation; deepwater applications. Advances in North Sea technology over the last few years have been concerned mostly with marginal fields, small diameter pipelines and new materials, which are well covered in the first three topics. Economic development of marginal fields requires processing of oil and gas to take place not at the wellhead but at existing facilities, usually some distance away. Hydrocarbons are thus often transported at high pressure and temperature in small diameter pipelines, which need to be protected through trenching. However, such operational practice has brought to the fore a problem that in the past was of little concern namely, upheaval buckling.

Subsea Pipeline Design, Analysis, and Installation-Qiang Bai 2014-02-18 As deepwater wells are drilled to greater depths, pipeline engineers and designers are confronted with new problems such as water depth, weather conditions, ocean currents, equipment reliability, and well accessibility. Subsea Pipeline Design, Analysis and Installation is based on the authors' 30 years of experience in offshore. The authors provide rigorous coverage of the entire spectrum of subjects in the discipline, from pipe installation and routing selection and planning to design, construction, and installation of pipelines in some of the harshest underwater environments around the world. All-inclusive, this must-have handbook covers the latest breakthroughs in subjects such as corrosion prevention, pipeline inspection, and welding, while offering an easy-to-understand guide to new design codes currently followed in the United States, United Kingdom, Norway, and other countries. Gain expert coverage of international design codes Understand how to design pipelines and risers for today's deepwater oil and gas Master critical equipment such as subsea control systems and pressure piping

Production Course for Hiring on Onshore Oil and Gas Rigs-Petrogav International Petrogav International provides courses for participants that intend to work on onshore oil and gas fields. Training courses are taught by professionals from the oil and gas industry with current knowledge and more than 25 years of field experience. The participants will get all the necessary competencies to work on the onshore oil and gas fields. It is intended also for non-drilling and non-production personnel who work in drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. This course provides a non-technical overview of the phases, operations and terminology used on onshore oil and gas fields. It is intended also for non-production personnel who work in the onshore drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. No prior experience or knowledge of drilling operations is required. This course will provide participants a better understanding of the issues faced in all aspects of oil and gas field operations, with a particular focus on the unique aspects of onshore production operations.

Subsea and Pipeline Engineering- 1993

Subsea Pipelines and Risers-Yong Bai 2005-12-19 Marine pipelines for the transportation of oil and gas have become a safe and reliable part of the expanding infrastructure put in place for the development of the valuable resources below the world's seas and oceans. The design of these pipelines is a relatively new technology and continues to evolve as the design of more cost effective pipelines becomes a priority and applications move into deeper waters and more hostile environments. This updated edition of a best selling title provides the reader with a scope and depth of detail related to the design of offshore pipelines and risers not seen before in a textbook format. With over 25years experience, Professor Yong Bai has been able to assimilate the essence of the applied mechanics aspects of offshore pipeline system design in a form of value to students and designers alike. It represents an excellent source of up to date practices and knowledge to help equip those who wish to be part of the exciting future of this industry.

Offshore Operations and Engineering-Shashi Shekhar Prasad Singh 2019-12-17 This book provides a comprehensive understanding of each aspect of offshore operations including conventional methods of operations, emerging technologies, legislations, health, safety and environment impact of offshore operations. The book starts by coverage of notable offshore fields across the globe and the statistics of present oil production, covering all types of platforms available along with their structural details. Further, it discusses production, storage and transportation, production equipment, safety systems, automation, storage facilities and transportation. Book ends with common legislation acts and comparison of different legislation acts of major oil/gas producing nations. The book is aimed at professionals and researchers in petroleum engineering, offshore technology, subsea engineering, and Explores the engineering, technology, system, environmental, operational and legislation aspects of offshore productions systems Covers most of the subsea engineering material in a concise manner Includes legislation of major oil and gas producing nations pertaining to offshore operations (oil and gas) Incorporates case studies of major offshore operations (oil and gas) accidents and lessons learnt Discusses environment impact of offshore operations

Subsea Engineering Handbook-Yong Bai 2012 Subsea production systems, overview of subsea engineering, subsea field development, subsea distribution system.Flow assurance and system engineering. Susea structure and equipment. Subsea umbilical, risers and flowlines.

Corrosion Protection for the Oil and Gas Industry-Mavis Sika Okyere 2019-02-14 Corrosion Protection for the Oil and Gas Industry: Pipelines, Subsea Equipment, and Structures summarizes the main causes of corrosion and requirements for materials protection, selection of corrosion-resistant materials and coating materials commonly used for corrosion protection, and the limitations to their use, application, and repair. This book focuses on the protection of steels against corrosion in an aqueous environment, either immersed in seawater or buried. It also includes guidelines for the design of cathodic protection systems and reviews of cathodic protection methods, materials, installation, and monitoring. It is concerned primarily with the external and internal corrosion protection of onshore pipelines and subsea pipelines, but reference is also made to the protection of other equipment, subsea structures, risers, and shore approaches. Two case studies, design examples, and the author's own experiences as a pipeline integrity engineer are featured in this book. Readers will develop a high quality and in-depth understanding of the corrosion protection methods available and apply them to solve corrosion engineering problems. This book is aimed at students, practicing engineers, and scientists as an introduction to corrosion protection for the oil and gas industry, as well as to overcoming corrosion issues.

Directory of Postgraduate Studies 2002-Hobsons Publishing, PLC 2001

Offshore Pipelines-Tian Ran Lin, PhD 2005-04-25 Offshore Pipelines covers the full scope of pipeline development from pipeline designing, installing, and testing to operating. It gathers the authors' experiences gained through years of designing, installing, testing, and operating submarine pipelines. The aim is to provide engineers and management personnel a guideline to achieve cost-effective management in their offshore and deepwater pipeline development and operations. The book is organized into three parts. Part I presents design practices used in developing submarine oil and gas pipelines and risers. Contents of this part include selection of pipe size, coating, and insulation. Part II provides guidelines for pipeline installations. It focuses on controlling bending stresses and pipe stability during laying pipelines. Part III deals with problems that occur during pipeline operations. Topics covered include pipeline testing and commissioning, flow assurance engineering, and pigging operations. This book is written primarily for new and experienced engineers and management personnel who work on oil and gas pipelines in offshore and deepwater. It can also be used as a reference for college students of undergraduate and graduate levels in Ocean Engineering, Mechanical Engineering, and Petroleum Engineering. * Pipeline design engineers will learn how to design low-cost pipelines allowing long-term operability and safety. * Pipeline operation engineers and management personnel will learn how to operate their pipeline systems in a cost effective manner. * Deepwater pipelining is a new technology developed in the past ten years and growing quickly.

An Introduction to Offshore Engineering-Bentham Press 1995

Petroleum Review- 2006

Design and Installation of Marine Pipelines-Mikael Braestrup 2009-02-12 This comprehensive handbook on submarine pipeline systems covers a broad spectrum of topics from planning and site investigations, procurement and design, to installation and commissioning. It considers guidelines for the choice of design parameters, calculation methods and construction procedures. It is based on limit state design with partial safety coefficients.

The Directory of Graduate Studies- 1999

Offshore- 1993

The Journal of Offshore Technology- 2006

The Offshore Pipeline Construction Industry-Mark J. Kaiser 2020-04-08 The Offshore Pipeline Construction Industry: Activity Modeling and Cost Estimation in the United States Gulf of Mexico presents the latest technical concepts and economic calculations, helping engineers make better business decisions. The book covers flow assurance, development strategies on pipeline requirements and the construction service side with a global perspective. In addition, it focuses on one of the most underdeveloped, promising assets - the Gulf of Mexico. Pipeline construction and decommissioning estimation methods are examined with reliable data presented. A final section covers trends for oil, gas, bulk oil, bulk gas, service and umbilical pipelines for installation and decommissioning using correlation models. This book delivers a much-needed tool for the pipeline engineer to better understand the economical choices and alternatives to designing, constructing, and operating today's offshore pipelines. Built with construction and decommissioning decision tools supported by reliable data and case studies Organized by parts, including a section devoted to Gulf of Mexico statistics and estimation methods Helps readers gain practical knowledge on strategies and cost models from a global pipeline perspective, including environmental and mitigation considerations

UnderWater Magazine- 2004

Offshore International- 1993

The Oilman, Incorporating Offshore Services & Technology- 1988

Offshore Oil and Gas Directory- 2003

The Students' Guide to Graduate Studies in the UK- 1991

ASPECT '96- 1996

Offshore Research Focus- 1993

The Oilman- 1987-07

Subsea Rigid Pipelines - Methods of Installation-Eng-Bin Ng 2019-07-16 This book is about the various methods of installing rigid subsea/submarine pipelines, such as the common methods using S-lay, J-lay, and reel-lay vessels. Other methods like the surface tow, bottom pull, and various other pipeline tow methods are also utilized. It also addresses supplementary activities required as part of a pipeline installation program, such as pipe manufacture and coating, seabed intervention, riser installation, pipeline precommissioning, and pipeline repairs. This book was written for students and newcomers to the oil and gas industry who have little or no knowledge of pipeline construction. Unlike other technical books on pipelines, this one does not address the detailed design of pipelines. Instead, it provides an overview of construction methodologies for subsea pipelines. As such, this book will provide the readers with a different perspective by providing a practical and illustrative approach to explain and illustrate how subsea pipelines can be installed through various methods. The author has used examples from some of his past projects. Where available, he also highlighted the various aspects of the work, and in some cases, he has provided the lessons that he learned from his past experiences so that readers may learn from the author's experiences too.

Directory of Published Proceedings- 1996

Current Bibliography of Offshore Technology and Offshore Literature Classification-Arnold Myers 1984

Gas Engineering and Management- 1995

Pipes & Pipelines International- 1986

Subsea Pipeline Integrity and Risk Management-Yong Bai 2014-02-21 Subsea repairs and inspection are costly for petroleum and pipeline engineers and proper training is needed to focus on ensuring system strength and integrity. Subsea Pipeline Integrity and Risk Management is the perfect companion for new engineers who need to be aware of the state-of-the-art techniques. This handbook offers a "hands-on" problem-solving approach to integrity management, leak detection, and reliability applications such as risk analysis. Wide-ranging and easy-to-use, the book is packed with data tables, illustrations, and calculations, with a focus on pipeline corrosion, flexible pipes, and subsea repair. Reliability-based models also provide a decision making tool for day-to-day use. Subsea Pipeline Integrity and Risk Management gives the engineer the power and knowledge to protect offshore pipeline investments safely and effectively. Includes material selection for linepipe, especially selection of standard carbon steel linepipe Covers assessment of various types of corrosion processes and definition of anti-corrosion design against internal as well as external corrosion Gives process and flow assurance for pipeline systems including pipeline integrity management

Study of Potential Benefits to British Industry from Offshore Oil and Gas Developments-International Management and Engineering Group of Britain 1972

The Journal of Canadian Petroleum Technology- 1992

Bibliography of Nautical Books-Alan Obin 2000-02 This is the 15th annual edition of the Bibliography of Nautical Books, a reference guide to over 14,000 nautical publications. It deals specifically with the year 2000.

Underwater Technology- 1999

Petroleum Abstracts- 1992

Water 21- 2001

Corrosion and Materials in the Oil and Gas Industries-Reza Javaherdashti 2016-04-19 The advancement of methods and technologies in the oil and gas industries calls for new insight into the corrosion problems these industries face daily. With the application of more precise instruments and laboratory techniques as well as the development of new scientific paradigms, corrosion professionals are also witnessing a new era in the way d

Composite Materials in Piping Applications-Dimitrios G. Pavlou 2013 A comprehensive materials science book on the design, analysis, and performance of composite materials (CM) in oil, gas, water and wastewater pipe applications.

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