

Oil

Gavin Bridge and Philippe Le Billon (John Wiley & Sons Ltd, European Distribution Centre, New Era Estate, Oldlands Way, Bognor Regis, West Sussex, PO22 9NQ, UK.

t: +44 (0)1243 843291; f: +44 (0)1243 843302; e: csbooks@wiley.com www.john-wiley.com) ISBN 9780745649252. 200 pages. Price: £12.99.

In this in-depth primer to the world's wealthiest industry, authors Gavin Bridge and Philippe Le Billon take a fresh look at the contemporary geopolitics of oil. Going beyond simple assertions of peak oil and an oil curse, they point to an industry reordered by internationalised state oil companies, Asian consumerism shifting demand, the insecurities and violent assertiveness of declining powers, and the dilemmas of post-oil energy transition. The book identifies challenges and opportunities to curtail price volatility, curb demand and the growth of dirty oil, de-carbonise energy systems, and improve governance in oil producing countries.

After the US shale gas revolution

Thierry Bros (Editions Technip, 25 rue Ginoux, 75015 Paris, France.

t: +33 (0)1 45 78 33 80; f: +33 (0)1 45 75 37 11; e: info@editionstechnip.com www.editionstechnip.com) ISBN 9782710810162. 176 pages. Price: €33.

This book gives an overview of the major gas issues and elaborates on the consequences of the US shale gas revolution. The first part provides basic knowledge and tools to better understand this industry, which is often sandwiched between upstream oil and utilities. The author shares his insights on fundamental issues all along the gas chain and explains the price mechanisms ranging from oil-indexation to spot. The second part looks into the future of worldwide gas balance. The book is accessible to all and will particularly interest readers seeking a global gas perspective where economics and geopolitics mix. It can be read as an economic novel where billions of dollars are invested to shape tomorrow's energy world or as a geopolitical thriller where Russia and the US compete to impose their respective agenda, leaving China to select the winner.

Shale oil production processes, 1st edition

James G Speight (Gulf Professional Publishing, imprint of Elsevier Inc, 3251 Riverport Lane, Maryland Heights, MO 63043, US. t: +1 314 447 8010; f: +1 314 447 8030;

e: i.internet@elsevier.com www.elsevierdirect.com) ISBN 9780124017214. 200 pages. Price: \$35.

Shale oil represents a huge additional global fossil fuel resource. However, extracting oil from the shale is no simple task; much still needs to be understood to make the process more cost-effective to increase economic flow rates. This book will prove useful for those scientists and engineers already engaged in fossil fuel science and technology, as well as those who wish to gain a general overview or update of the science and technology of fossil fuels. Not only does the book discuss the production processes, but also describes methods which should reduce environmental footprint by properly addressing surface mining and extraction processes, in-situ conversion process and hydrotreatment.

Chemical process equipment, 3rd edition

James R Couper, W Roy Penney, James R Fair, Stanley M Walas (Butterworth-Heinemann, imprint of Elsevier Inc, 3251 Riverport Lane, Maryland Heights, MO 63043, US.

t: +1 314 447 8010; f: +1 314 447 8030; e: i.internet@elsevier.com www.elsevierdirect.com) ISBN 9780123969590. Price: \$150.

Chemical process equipment is a results-oriented single volume reference for engineers who specify, design, maintain or run chemical and process plant. The book delivers information on the selection, sizing and operation of process equipment in a format that enables quick and accurate decision making on standard process and equipment choices, saving time, improving productivity and building understanding. Coverage emphasises common real-world equipment design, rather than experimental or esoteric, and focuses on maximising performance. There are copious examples of successful applications, with supporting line drawings, schematics and data to illustrate the functioning and performance of equipment.

New CONCAWE research report 6/12: *Trends in oil discharged with aqueous effluents from oil refineries in Europe – 2010 survey* data is available from www.concawe.org/Content/Default.asp?PageID=572 This is the 12th report in a long-standing series that presents data gathered on refinery effluents by CONCAWE. These reports provide information on refinery complexity, water quantity, oil content and treatment processes that were conveyed by CONCAWE members for their refinery locations, since 1969. This report adds the information obtained from a survey covering 2010. Data obtained in previous surveys are included for comparison and trend analysis.

Another new CONCAWE research report 7/12: *REACH – Analytical characterisation of petroleum UVCB substances* is now available from www.concawe.org/Content/Default.asp?PageID=574 This report presents the recommendations made by CONCAWE for the substance identification of petroleum substances under REACH. It includes several case studies which assess the usefulness of undertaking the full suite of analytical techniques listed in Annex VI of the REACH Regulation. Based on the information presented in this report it is recommended that a structured analytical approach be employed for the characterisation of petroleum UVCB substances.

Monitran has revamped its website. Designed with ease-of-navigation for sensor identification and selection in mind, www.monitran.com details the range of products and services offered. The site includes product selection guidelines, installation and maintenance tips, frequently asked questions and pages devoted to specific industries, eg wind energy, mining and paper.

The website is structured as an engineering resource and visitors can fast-track from the homepage to find vibration sensors with AC outputs (for analysis), vibration sensors with DC outputs (for monitoring), eddy current probes (for proximity measurement) or LVDTs (for displacement measurement). The products page lists all sensors and accessories which can then be filtered by one of 42 attributes – and the entire site can be searched by keywords.