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| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Introduction -- The Need Fof Seabed And Sub-Seabed Data -- Imaging Of The Near-Surface -- Imaging Into The Sub-Seabed -- Acoustic Seabed Interrogation -- Volumetric Sub-Bottom Imaging.-The Future Of Acoustic Seabed Interrogation. |
| Sommario/riassunto | Offshore drilling and constructions require exact knowledge of the geophysical properties of the seabed and sub-seabed, as unexpected objects can slow down or halt projects. This book presents the state-of-the-art in acoustic exploration of the seabed and sub-seabed, from initial designs in the 1980s to commercial contracting and operation of the Acoustic Corer™ in the last decade. The Acoustic Corer™ is a high-definition commercial acoustic sub-bottom imaging system, producing an “acoustic core” within which sub-seabed sedimentary characteristics and discrete buried objects larger than 0.5 m can be identified and mapped. It makes use of the innovative JYG-cross design, inspired by seismic reflection and uses Synthetic Aperture Sonar (SAS) multi-angle scattering in and within the seabed to deliver unprecedented imagery. This book was written by the inventor of these concepts, a known specialist in seabed acoustics, with help from an experienced academic |

and author. It is intended first and foremost as a “how-to” guide for offshore industries looking at techniques to make the installation of different types of structures safe and efficient.
