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Autore	Springborg Robert
Titolo	Development models in Muslim contexts : Chinese, "Islamic" and neo-liberal alternatives // edited by Robert Springborg [[electronic resource]]
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Descrizione fisica	1 online resource (266 pages) : digital, PDF file(s)
Collana	Exploring Muslim contexts
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Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The lure of development models / Robert Springborg -- The Chinese model and its global reception. A China model or just a broken mould? / William Hurst ; Latin America's view of China : interest, but scepticism / Barbara Stallings ; The China model in Africa : a new brand of developmentalism / Catherine Boone with Dhawal Doshi -- The Chinese model and its competitors in the Muslim World. Learning the right lessons from Beijing : a model for the Arab World? / Emma Murphy ; Towards an Islamic model for the Middle East and North Africa? / Clement M. Henry ; Democracy, development and political Islam : comparing Iran and Turkey / Mohammed Ayoob -- The role of governance in development models. Can the East Asian developmental state be replicated : the case of Malaysia / Jeff Tan ; Governance and development : a case study of Pakistan / Ishrat Husain ; Is "Good governance" an appropriate model for governance reforms : the relevance of East Asia for developing Muslim countries / Mushtaq Khan ; Not Washington, Beijing nor Mecca : the limitations of development models / Robert Springborg.

Sommario/riassunto This book examines the characteristics of the Chinese economic development model and its reception in Africa and Latin America. It also investigates the current competition over governance models in the Muslim world and asks which model or models will guide development in Muslim countries.

2. **Record Nr.** UNINA9910830468003321
- Titolo** Drilling in extreme environments [[electronic resource]] : penetration and sampling on Earth and other planets // edited by Yoseph Bar-Cohen & Kris Zacny
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- Altri autori (Persone)** Bar-CohenYoseph
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- Disciplina** 622.1
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- Soggetti** Boring
Boring - Technological innovations
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Astrogeology
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- Note generali** Description based upon print version of record.
- Nota di bibliografia** Includes bibliographical references and index.
- Nota di contenuto** Drilling in Extreme Environments: Penetration and Sampling on Earth and other Planets; Foreword; Contents; Preface; List of Contributors; Acknowledgments; Color Plates; 1 Drills as Tools for Media Penetration and Sampling; 1.1 Introduction and Historical Perspective; 1.2 Methods

of Drilling and Penetration of Objects; 1.2.1 Mechanical Techniques; 1.2.2 Thermal Techniques; 1.2.3 Chemical Techniques; 1.3 Types of Mechanical Drills; 1.3.1 Rotary Drill; 1.3.2 Hammer Drill; 1.3.3 Rotary-Hammer Drill; 1.4 Bits - the End-Effector of Drills; 1.4.1 Twist Drill Bits; 1.4.2 Gun Drill
1.4.3 Centering and Spotting Drill Bits
1.4.4 Material Makeup of Bits; 1.5 Application of Drilling Techniques; 1.5.1 Geological Studies and Search for Resources; 1.5.2 Mining and Tunneling; 1.5.3 Petroleum and Gas Drilling and Exploration; 1.5.4 Ocean and Seafloor Drilling; 1.5.5 Planetary Drilling and Sampling; 1.5.6 Ice Drilling; 1.5.7 Dental Drills; 1.6 Conclusion; References; 2 Principles of Drilling and Excavation; 2.1 Introduction; 2.2 Physical Properties of Rocks; 2.2.1 Terrestrial Rocks; 2.2.2 Extraterrestrial Rocks; 2.2.3 Influence Factors for Rock Mechanical Properties
2.3 Stresses and Energy in Drilling
2.3.1 Stress in Sedimentary Basins; 2.3.2 Stresses Around a Borehole; 2.4 Theories of Rock Breakage; 2.4.1 Percussion Drilling; 2.4.2 Rotary Drilling; 2.4.3 Percussion-Rotary; 2.4.4 Other Drilling Methods; 2.4.5 Drilling Efficiency; 2.5 Conclusion; 2.5.1 Underground Rocks and Stresses; 2.5.2 Drilling Theories; 2.5.3 Effect of Environment on Drilling; References; 3 Ground Drilling and Excavation; 3.1 Background; 3.1.1 Three Requirements for Any Drilling System; 3.1.2 Types of Earth Boreholes; 3.2 Drilling Rigs; 3.2.1 Percussion Drilling Rigs
3.2.2 Rotary Drilling Rigs
3.3 Penetrating the Material; 3.3.1 Basic Rock Destruction Mechanism; 3.3.2 Specific Energy Comparison of Different Drilling Methods; 3.4 Cuttings Transport and Disposal; 3.4.1 Cuttings Transport from Under a Bit in Terrestrial Operations; 3.4.2 Cuttings Transport Beyond the Bit; 3.4.3 Cuttings Removal In Situ; 3.4.4 Recompaction of Cuttings; 3.4.5 Creation of Disposal Volume; 3.5 Directional Drilling; 3.5.1 Reference Systems; 3.5.2 Directional Control Factors; 3.5.3 Bit Design; 3.5.4 Bottom Hole Assemblies; 3.5.5 Directional Mechanics; 3.5.6 BHA Modeling
3.5.7 Planning
3.5.8 Survey Techniques; 3.5.9 Survey Calculations; 3.6 Sidewall Friction and Unconsolidated Drilling Issues; 3.6.1 Soil Penetration by Cones; 3.6.2 Pile Driving Formulas; 3.6.3 Methods of Cone Resistance Determination; 3.6.4 Pressure Bubble; 3.6.5 Permafrost Piling; 3.6.6 Vibratory Pile Driving; 3.6.7 Impact on Penetration Resistance; 3.7 Conclusion; References; 4 Ice Drilling and Coring; 4.1 Introduction; 4.2 Coring Drills; 4.2.1 Surface-Driven Rotary Drills; 4.2.2 Wireline Drill; 4.2.3 Cable-Suspended Electromechanical Drills; 4.2.4 Cable-Suspended Electrothermal Drills
4.2.5 Hand Augers

Sommario/riassunto

Uniquely comprehensive and up to date, this book covers terrestrial as well as extraterrestrial drilling and excavation, combining the technology of drilling with the state of the art in robotics. The authors come from industry and top ranking public and corporate research institutions and provide here real-life examples, problems, solutions and case studies, backed by color photographs throughout. The result is a must-have for oil companies and all scientists involved in planetary research with robotic probes. With a foreword by Harrison "Jack" Schmitt -- the first geologist to drill
