Record Nr. UNINA9910809895703321 Autore Chiesa Vittorio Titolo R & D strategy and organisation: managing technical change in dynamic contexts / / Vittorio Chiesa New Jersey, : Imperial College Press, c2001 Pubbl/distr/stampa **ISBN** 1-281-86609-1 9786611866099 1-84816-163-8 Edizione [1st ed.] Descrizione fisica 1 online resource (292 p.) Collana Series on technology management; ; 5 Disciplina 658.57 Soggetti Technological innovations - Management Research, Industrial - Management Competition Organization Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto CONTENTS ; PREFACE ; CHAPTER 1 INTRODUCTION ; 1.1 Key Concepts and Definitions : 1.2 **Technological Innovation** : 1.3 The Role of R&D within the Process of Technological Innovation ; 1.4 Implications on R&D Strategy and Organisation : References and Further Readings PART I R&D STRATEGY **CHAPTER 2 APPROACHES TO** TECHNOLOGY STRATEGY ; 2.1 The Positioning Approach to Strategy ; 2.2 The Resource Based Approach to Strategy : 2.3 About Rationalist and Incrementalist Approaches to Strategy References and Further Readings CHAPTER 3 FORMULATING TECHNOLOGY STRATEGY IN DYNAMIC CONTEXTS 3.1 Context Foresight ; 3.2 Technology Strategy Decisions ; 3.3 Types of Technology Strategies Appendix - Case Study ; References and Further

Readings

: CHAPTER 4 R&D PROJECT

PORTFOLIO DEFINITION

4.1 Fixing the R&D Budget 4.2 R&D Project Definition : 4.3 R&D Project Evaluation

Definition ; 4.3 R&D Project Evaluation ; 4.4 R&D Project Selection ; 4.5 R&D P

; 4.4 R&D Project Selection ; 4.5 R&D Project Portfolio Analysis ; References and Further Readings ; PART II R&D ORGANISATION

: CHAPTER 5 THE ORGANISATIONAL STRUCTURE

: 5.1 The Structure of R&D Units

5.2 The Balance between Centralisation and Decentralisation

5.3 The Separation between R and D

References and Further Readings ; CHAPTER 6

THE GEOGRAPHICAL DISPERSION OF R&D ACTIVITIES

; 6.1 Determinants of Geographical Centralisation and Decentralisation

6.2 Types of Foreign R&D Units

Sommario/riassunto

This book deals with key issues and trade-offs in R&D strategy and organisation, paying attention especially to dynamic competitive contexts where technology plays a key role. These topics are treated from the perspective of the decision taker, i.e. the manager who makes decisions in terms of R&D strategy and organisation. The book addresses typical problems of large firms having structured R&D and operating businesses where R&D is a source of competitive advantages. Although it focuses strongly on R&D, it sees R&D as a part (a key part) of the process of technological innovation, and therefo