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| 1. Record Nr. | UNISA990001765930203316 |
| Autore | MALRAUX, André |
| Titolo | La condition Humaine / André Malraux ; notes par A. Boutet de Monvel |
| Pubbl/distr/stampa | Paris : Larousse, 1955 |
| Descrizione fisica | 125 p. ; in 16°, 17 cm |
| Collocazione | VI.4. Coll.18/ 20(II F D 1 324/106) |
| Lingua di pubblicazione | Francese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| 2. Record Nr. | UNINA9910463954603321 |
| Autore | Dhillon B. S (Balbir S.), <1947-> |
| Titolo | Creativity for engineers [[electronic resource] /] / B.S. Dhillon |
| Pubbl/distr/stampa | Singapore, : World Scientific, 2006 |
| ISBN | 981-270-727-1 |
| Descrizione fisica | 1 online resource (202 p.) |
| Collana | Series on industrial & systems engineering ; ; v. 3 |
| Disciplina | 620 |
| Soggetti | Creative ability in technology
Creative thinking
Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Preface; Contents; 1 Introduction; 1.1 The Need for Creativity in Engineering; 1.2 Creativity and Innovation History; 1.3 Engineering History; 1.4 Creativity-Related Facts and Figures; 1.5 Terms and Definitions; 1.6 Creativity Myths, Observations, and the Role of Innovation in Organizations; 1.7 Useful Information on Creativity and Innovation; 1.7.1 Books; 1.7.2 Journals; 1.7.3 Conference Proceedings; 1.7.4 Organizations; 1.8 Scope of the Book; Problems; References; 2 |

Engineering: An Introduction; 2.1 Introduction; 2.2 The Difference Between Science and Engineering
2.3 Engineering Today and Engineering Disciplines 2.3.1 Mechanical Engineering; 2.3.2 Civil Engineering; 2.3.3 Electrical and Electronic Engineering; 2.3.4 Chemical Engineering; 2.3.5 Aerospace Engineering; 2.3.6 Industrial Engineering; 2.3.7 Mining Engineering; 2.3.8 Biomedical Engineering; 2.4 Engineering Design Process; 2.5 The Technological Team; 2.6 The Needs, Functions, and Qualities of an Engineer; 2.7 Engineering Manager's Functions and Qualities; 2.8 The Ethical and Legal Factors; Problems; References; 3 Famous Engineering Inventions, Inventors, and Inventing; 3.1 Introduction
3.2 Famous Engineering Inventions 3.2.1 Steam Engine; 3.2.2 Airplane; 3.2.3 Light Bulb; 3.2.4 Radio; 3.2.5 Telephone; 3.2.6 Telescope (Reflecting); 3.2.7 Motor Car; 3.2.8 Telegraph; 3.2.9 Alternating Current (AC) Power System; 3.2.10 Direct Current (DC) Electric Generator; 3.2.11 Typewriter; 3.2.12 Sewing Machine; 3.2.13 Helicopter; 3.2.14 Submarine; 3.2.15 Pendulum Clock; 3.2.16 Zipper; 3.2.17 Bicycle (with Pedals); 3.2.18 Gas Turbine; 3.2.19 Power Loom; 3.2.20 Hydraulic Press; 3.2.21 Steam Turbine; 3.2.22 Safety Lamp; 3.2.23 Television; 3.2.24 Cathode Ray Tube; 3.2.25 Hovercraft
3.3 Famous Engineering Inventors 3.3.1 James Watt (1736-1819); 3.3.2 Thomas Edison (1847-1931); 3.3.3 Alexander Graham Bell (1847-1922); 3.3.4 Wright Brothers; 3.3.5 Samuel Morse (1791-1872); 3.3.6 Guglielmo Marconi (1874-1937); 3.3.7 Nicola Tesla (1856-1943); 3.3.8 Karl Benz (1844-1929); 3.3.9 Walter Hunt (1796-1859); 3.3.10 Christopher Sholes (1819-1890); 3.4 Inventing Procedure; 3.5 Inventors' Characteristics, Motives, and Marital Status; 3.6 Obstacles and Pitfalls of Inventors; Problems; References; 4 Creativity in Organizations; 4.1 Introduction
4.2 Factors for the Decline in Corporate Creativity, Factors Driving the Need for Creativity in Organizations, and Organizational Creativity and Innovation Supporting Characteristics 4.3 Elements of an Innovative Organization; 4.4 Problem-Solving and Creativity Processes; 4.5 Sources and Tips for Innovative Ideas and Broad Sources of Information Useful to Creative Engineers; Problems; References; 5 Creativity Management and Manpower Creativity; 5.1 Introduction; 5.2 Managing, Selecting, and Retaining Creative People; 5.3 Tasks of Key Professionals in Innovative Companies; 5.3.1 Idea Generator
5.3.2 Champion

Sommario/riassunto

Creativity is playing an ever more important role in the success or failure of organizations in the global competitive economy. The field of engineering is no exception. The objective of this book is to satisfy this vital need, which has been covered very little elsewhere. The book, which assumes no prior knowledge, will be useful to many people including all kinds of professional engineers, engineering managers, graduate and senior undergraduate students of engineering, and researchers and instructors in engineering, psychology, and business administration. At the end of each chapter there are
