

|                         |   |
|-------------------------|---|
| 1. Record Nr.           | UNINA9910298187903321   |
| Titolo                  | Value Creation through Engineering Excellence : Building Global Network Capabilities // edited by Yufeng Zhang, Mike Gregory  |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2018   |
| ISBN                    | 9783319563367<br>331956336X   |
| Edizione                | [1st ed. 2018.]   |
| Descrizione fisica      | 1 online resource (XXII, 375 p. 73 illus.)  |
| Disciplina              | 658.7   |
| Soggetti                | Business logistics<br>Operations research<br>Engineering<br>Industrial organization<br>International economic integration<br>Globalization<br>Management<br>Supply Chain Management<br>Operations Research and Decision Theory<br>Technology and Engineering<br>Organization<br>Emerging Markets and Globalization  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di bibliografia    | Includes bibliographical references at the end of each chapters and index.  |
| Nota di contenuto       | Part I. 1. Introduction; Yufeng Zhang and Mike Gregory -- 2. Engineering and Technology Management; Yuan Zhou and Rob Phaal -- 3. International Manufacturing and Engineering; Yongjiang Shi -- 4. Engineering Services - Unpacking Value Exchange; Florian Urmetzer, Andy Neely and Veronica Martinez -- Part II. Engineering Networking Innovation and Optimisation -- 5. Engineering Design and Innovation in a Global Context; Thomas P. Taylor, Erik Søndergaard, Tim Minshall, Letizia Mortara and Saeema Ahmed-Kristensen -- 6. Engineering in |

International Business Networks - The Motivations and Practices of Chinese MNCs; Quan Zhou, Xiaobo Wu and Yongjiang Shi -- 7. Engineering Value Chain Simulation and Innovation; Tao Zhang and Yufeng Zhang -- 8. ICT for High Value Engineering Networks; Ting He and Xiaofei Xu -- 9. Engineering Value Chain Modelling and Optimisation; Lina Zhou and Xiaofei Xu -- 10. Engineering Value Chain Coordination and Optimisation; Ming Dong and Yonglin Li -- Part III. Future Trends and Implications -- 11. Engineering for Sustainable Value; Miying Yang, Padmakshi Rana and Steve Evans -- 12. Product Life Cycle Design for Sustainable Value Creation; Jing Tao and Suiran Yu -- 13. Engineering and the Skills Crisis in the UK and US: A Comparative Analysis of Employer-Engaged Education; John R. Bryson, Rachel A. Mulhall, Nichola Lowe and Julianne Stern -- 14. An Industrial Policy Framework for High Value Engineering; Chris Collinge.

---

#### Sommario/riassunto

This book provides a systematic framework for effectively creating value through engineering in global business networks, and contributes to an increasingly important branch of engineering operations. By updating the traditional disciplines of engineering and operations management and addressing challenges and opportunities in building global network capabilities, this study offers a contemporary guide for developing effective industrial policies to enhance the global competitiveness of engineering sectors, which will be extremely useful to engineering companies and policy-makers. Themes discussed include main trends and driving forces, state-of-the-art knowledge in relevant subject areas, new technologies and leading practice. This timely book will help researchers, managers and students to gain an overall understanding of the pioneering research occurring in this field and it will enable companies to benefit from global engineering networks.

---