

1. Record Nr.	UNINA9910809585103321
Titolo	China's science and technology sector and the forces of globalisation / / editors, Elspeth Thomson, Jon Sigurdson
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific Pub., c2008
ISBN	1-281-91165-8 9786611911652 981-277-101-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (250 p.)
Collana	Series on contemporary China ; ; v. 13
Altri autori (Persone)	ThomsonElspeth <1960-> SigurdsonJon
Disciplina	303.48/30951
Soggetti	Technological innovations - Economic aspects - China Research, Industrial - China Technology and state - China Science and state - China
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	Contents; Acknowledgements; Introduction Elspeth Thomson; 1. Technological Development Challenges in Chinese Industry Cong Cao; GOVERNMENT'S TECHNOLOGY POLICY; RECENT MOVES IN CHINA'S INDUSTRIAL TECHNOLOGICAL DEVELOPMENT; INCREASED R&D ACTIVITIES IN ENTERPRISES; HIGH-TECH EXPORTS: COMPARATIVE OR COMPETITIVE ADVANTAGES?; CHALLENGES; Continuous Price Wars: The TV Sector; Infringement of Foreign Patents: The Case of DVD Players; BROADER AND DEEPER PROBLEMS; CONCLUSION AND DISCUSSION; ACKNOWLEDGEMENTS; 2. China's Regional Variations in Patenting Ding Lu and Albert G. Hu FEATURES OF CHINA'S SCIENCE AND TECHNOLOGY RESEARCH ACTIVITIESA PRELIMINARY ANALYSIS; CONCLUDING REMARKS; 3. R&D Incentives, Industrial Structure and Technology Transfer in China Ping Lin and Jing A. Zhang; INTRODUCTION; THE SHORT HISTORY OF LEGAL PROTECTION FOR INNOVATIONS IN CHINA; R&D AND TECHNOLOGY TRANSFER IN CHINA: FROM 1991 TO 2004; R&D Incentives in China; Types of Innovations Undertaken; Types of Innovators;

TECHNOLOGICAL INNOVATION BY THE LARGE- AND MEDIUM-SIZED ENTERPRISES (LMEs); R&D INCENTIVE AND INDUSTRIAL STRUCTURE; The Schumpeterian View
Low Degree of Industrial Concentration in China Availability of Foreign Technologies and Strategic Considerations; TECHNOLOGY TRANSFER TO CHINA; Sources of Technology Transfer to China; WTO REQUIREMENTS FOR IPR AND TECHNOLOGY TRANSFER; The TRIPS; The TRIMS; No More "Force-Technology Transfer"; R&D Induced by Industry Structural Changes; Industrial Policy-Based Approach vs. Market Failure- Based Approach; CONCLUDING REMARKS; 4. Standards and the State: Chinese Technology Policy in an Age of Globalisation Richard P. Suttmeier and Xiangkui Yao; A DRIFT TOWARDS TECHNO-NATIONALISM?
INNOVATION, STANDARDS AND STRATEGY A DIVERSITY OF CASES; TD-SCDMA; AVS; EVD; Home Networking; RFID; THE CASES COMPARED; Motivations; Foreign Participation; Implementation and Institutional Models; THE ROLE OF THE STATE AND THE POLITICS OF STANDARDS; CONCLUSION; 5. The Impact of Financing the High-Tech Industry on the Chinese Banking Sector Yue Ma; INTRODUCTION; MODEL WITHOUT HIGH-TECH INDUSTRY; Household Sector; Traditional Industrial Sector; Banking Sector; Market Equilibrium Conditions; MODEL WITH BOTH TRADITIONAL AND HIGH-TECH INDUSTRIES; Industrial Sectors; Banking Sector
IMPACT OF THE HIGH-TECH INDUSTRY ON THE ECONOMY CONCLUSION; ACKNOWLEDGEMENTS; APPENDIX A; APPENDIX B; 6. Ningbo and Dalian: Patterns of Science and Technology Development Jon Sigurdson; INTRODUCTION; NINGBO; Ningbo's Development Zones; Ningbo's High-Tech Park; Creating and Using Brainpower: A Look at Ningbo's Institutions of Higher Learning; Ningbo's Outstanding Enterprises; Geely Group; Ningbo Bird; Ningbo Haitian Machinery; DALIAN'S EMERGING SOFTWARE INDUSTRY; The Software Industry; Dalian Software Park; Dalian High-Tech Industrial Zone; Dalian Economic and Technological Development Zone
Dalian Ascendas IT Park

Sommario/riassunto

China's booming economy has drawn both admiration and fear from the rest of the world. With its ability to churn out high-quality goods at low prices, China has become known as the "factory of the world". To better understand China's development and modernisation since the 1978 reforms, it is necessary to analyse its policies on importing technologies and developing indigenous ones. The articles in this volume paint a comprehensive picture of the attempts by the Chinese government to adopt and foster science and technology, the successes of the policies and the continuing challenges.
