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Nota di contenuto	Overview - An approach to the historiography of technology in Spain Antoni Roca-Rosell -- Knowledge -- 1. The beginnings of industrial espionage in Spain (1748-1760) Juan Helguera (University of Valladolid) -- 2. Augustin Betancourt and mining technologies: from Almaden to Saint-Petersbourg (1783-1824) Irina Gouzevitch & M. Gouzevitch -- 3. Beginnings of Mechanical Engineering in Spain: the contribution of Francesc Santponc i Roca (Barcelona, 1756-1821) -- 4. Patents, Sugar Technology and Sub-Imperial Institutions in Nineteenth-Century Cuba Nadia Fernandez de Pineo (Autonomous University of Madrid), David Pretel (University of Cambridge), J. Patricio Saiz (Autonomous University of Madrid) -- 5. The Engineering Profession in Spain: Modern and Contemporary Ages Manuel Silva Suarez (University of Zaragoza) -- Manufacturing -- 6. The art of ship manufacture in the Spanish Golden Century Isabel Vicente Maroto (University of Valladolid) -- 7. Technology transfer and industrial location: the case of the cotton

spinning industry in Catalonia (1770-1840) Alex Sanchez (University of Barcelona) -- 8. Silk technology in Spain, 1683-1800: technological transfer and improvements Angels Sola (University of Barcelona) -- 9. Textile technological transfer from a non-innovative country: Casablancas and Picanol in twentieth-century Spain Esteve Deu and Montse Llonch (Autonomous University of Barcelona) -- 10. Foreign machines and national workshops: Spanish papermaking engineering (1800-1936) Miquel Gutierrez-Poch (University of Barcelona) -- 11. Foreign firms, local business groups and the making of Spanish chemical industry Nuria Puig (Complutense University of Madrid) -- Energy -- 12. Electricity in Spain: its introduction and industrial development Joan C. Alayo Manubens (UNESCO Chair of Technology and Culture; Polytechnic University of Catalonia) -- 13. Secrecy or discretion: the transfer of nuclear technology to Spain during the Franco period Francesc Barca Salom (Polytechnic University of Catalonia) -- Telecommunications and public works -- 14. Telecommunications in Spain: high technologies for the periphery Angel Calvo (University of Barcelona) -- 15. The International Adventures in Wireless Telegraphy of Austrian-French Engineer Victor Popp and their Epilogue in Spain Jesus Sanchez Minana (Telecommunications School, UPC, Madrid) -- 16. Franco's Dams as evidence of Technological Regress Santiago Lopez (University of Salamanca).

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#### Sommario/riassunto

"This book focuses on the development of four key issues in the development of modern Spain; knowledge, manufacturing, energy and telecommunications, and public works. If technology transfer from advanced nations to less developed systems always worked, then the whole world would now be rich. That this is not the case is so obvious, we might well expect that the history of the processes, successes and failures of technology transfer across nations would be a very well-established field of enquiry. In fact, the theme is still a developing one, and the present Special Issue centres on the case of Spain as exemplary in many respects. The collected essays focus upon the four major themes of knowledge, manufacturing, energy, and telecommunications and public works. Essays range in time from the 18th century to the present time, from studies of espionage and early links between craftsmen and savants, to the institutions of technology (from training systems, to private enterprise activity, or patents), to case-studies of silk manufacture, shipbuilding, mining, paper-making, and pharmaceuticals. Each essay offers a broad variety of material to bring to bear on a major problem of world development, past, present, and future."--Bloomsbury Publishing.

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