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Altri autori (Persone)	KhalilTarek M SherifMostafa Hashem
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Nota di contenuto	Paradigms for the knowledge economy. New innovation management paradigms in the knowledge-driven economy / Antonio Hidalgo and Jose Albors. The many facets of uncertainty and the structure of cooperation / Hanna Kuttinen ... [et al.] -- R&D, innovation and market returns. R&D intensity and firm performance-sectoral differences / Hanna Kuittinen, Kaisu Puumalainen, and Ari Jantunen. An analysis of high profitability mechanism by means of dynamism between technological diversification, learning and functionality development / Noritomo Ouchi and Chihiro Watanabe. An analysis of dynamism between market sensitivity to technology and optimal R&D intensity / Yuji Tou. Evaluation of nuclear knowledge management for the light water reactor and fusion reactor: a case study of Japan Atomic Energy Research Institute (JAERI) / Kazuaki Yanagisawa. Technology balance:

technology valuation according to IASB's value in use approach / Gunther Schuh, Sascha Klapper and Christoph Haag -- The economic value of green technologies and sustainable development. A modeling framework for the diffusion of green technologies / Mitsutaka Matsumoto ... [et al.]. A green operations framework and its application in the automotive industry / Breno Nunes and David Bennett. Creating value with forest-based biomass - traditional industries seeking new business opportunities / Satu Patari, Ari Jantunen, and Jaana Sandstrom. Innovation and sustainable development in wood furniture design / Olivier Chery and Elise Marcandella. Sustainable development and technology management / Alan C. Brent and Marthinus W. Pretorius -- The knowledge chain and value creation. Commercializing breakthrough technologies: scenarios and strategies / J. Roland Ortt, Chintan M. Shah, and Marc A. Zegveld. Industrialization guidelines for South Africa's Pebble Bed modular nuclear reactor programme / Andre Buys. A longitudinal analysis of inventors' movements in technology clusters / Jiang He and M. Hosein Fallah. Technology mining of Gulf Coast intellectual assets: discovering regional assets for economic development / Cherie Courseault Trumbach, Sandra Hartman and Olof Lundberg. South Korean system of innovation: from imitation to frontiers of technology, successes and limitations / Aouatif El Fakir. On creating value in various positions in the value chain - the pulp and paper industry in China / Ou Tang ... [et al.]. The internationalization of R&D at Petrobras / Ivete Rodrigues, Eduardo Vasconcellos and Roberto Sbragia. R&D, entrepreneurship and innovation in Brazil: where is the missing link? / Paulo A. Zawislak, Cristina Castro-Lucas and Eda Castro Lucas De Souza -- Organization capabilities and successful innovation. Key elements for incubating radical innovations successfully / Chintan M. Shah ... [et al.]. Rapid response capabilities: the importance of speed and flexibility for successful innovation / Christoph Grimpe and Wolfgang Sofka. Innovation process evaluation: from self-assessment to detailed technology audit / Laure Morel and Vincent Boly. Technology foresight and forecasting. An integrative approach to disruptive technology forecasting in companies / Marion A. Weissenberger-Eibl and Stephan Speith. Quadratic-interval innovation diffusion models for new product sales forecasting / Fang-Mei Tseng.

Sommario/riassunto

The International Association for Management of Technology (IAMOT) is one of the largest scientific associations dealing with the education, research and application of management of technology. The annual conferences held by IAMOT assemble the most important scientists and experts in the field. The 16th conference held in 2007 included papers by experts from 32 countries. This book compiles the best of those papers presented at the conference. It covers topics and issues related to the knowledge economy, commercialization of knowledge, green technologies, and sustainable development.
