Record Nr. UNINA9910825994703321 Autore Antonelli Cristiano Titolo The microdynamics of technological change / / Cristiano Antonelli Pubbl/distr/stampa London;; New York,: Routledge, 1999 **ISBN** 1-134-65607-6 1-134-65608-4 1-280-33690-0 9786610336906 0-203-02270-X 0-203-17103-9 Edizione [1st ed.] Descrizione fisica 1 online resource (304 p.) Routledge frontiers of political economy;; 23 Collana Disciplina 338/.064 Soggetti Information technology Technological innovations - Economic aspects 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 Book Cover; Title; Contents; List of figures; List of tables; General editor's foreword; Foreword; Introduction; The theory; Pathdependence in industrial economics and the economics of innovation: The new economics of knowledge; The dynamics of localised technological changes: the interaction between factor costs inducement, demand-pull and Schumpeterian rivalry; Localised technological change and Schumpeterian growth regimes; Economic topology: the role of technological communication in the dynamics of localised technological change; Applications Localised technological changes in telecommunications and the network of networksLocalised technological change and unemployment in the global economy: a Schumpeterian approach; New information technology and the evolution of the organisation of knowledge production; The dynamics of technological communication and the evolution of technological co-operation; The evolution of standards as economic institutions; New information technology and the knowledgebased economy: the European evidence; Conclusion; Notes;

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Sommario/riassunto

This volume presents a comprehensive assessment of the economic effects of the emerging information and communication technologies associated with a knowledge-based economy, and looks at how knowledge is increasingly treated as a product in its own right. An original framework is developed to comprehend these fundamental shifts, based on three bodies of knowledge: * the economics of path dependence and of historical time as they are elaborated in the economics of new technologies * economic topology based on the methodology of network analysis * the new economics of knowledge a