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Collana	Innovation and Technology in the World Economy Innovation and technology in the world economy
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	part I. What determines the potential for new technologies? Technology paradigm -- Scaling -- part II. When do technological discontinuities emerge? Computers -- Magnetic recording and playback equipment -- Semiconductors -- part III. Opportunities and challenges for firms and governments. Competition in new industries -- Different industries, different challenges -- part IV. Thinking about the future. Electronics and electronic systems -- Clean energy.
Sommario/riassunto	Technology Change and the Rise of New Industries explores why new industries emerge at specific moments in time and in certain countries. Part I shows that technologies which experience "exponential" improvements in cost and performance have a greater chance of becoming new industries. When "low-end" discontinuities incur exponential improvements, they often displace the dominant technologies and become "disruptive" innovations. Part II explores this phenomenon and instances in which discontinuities spawn new industries because they impact higher-level systems. Part III add