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Nota di contenuto	Front Cover; The Transformative Capacity of New Technologies; Copyright Page; Contents; 1. The transformative capacity of new technologies: an introduction; 2. Technology and sectors; 2.1. Business sectors as sociotechnical fields; 2.2 Surveying and mapping the functional elements of sectors; 2.3 The full picture: sectoral modes of regulation; 3. Types of innovation and sociotechnical transformation; 3.1 Starting point: types of innovation and their effects; 3.2 Basic concepts: periods of mismatch, sociotechnical transformations, and transition pathways 3.3 Specifications: transformative capacity, adaptability, gradual transformation 4. New technologies and their transformative capacity; 4.1 Structuration and transformation through technology; 4.2 The contexts in which new technologies emerge and are applied: endogenous vs. exogenous technologies; 4.3 Variant I: low transformative capacity; 4.4 Variant II: high transformative capacity; 4.5 Transformative capacity as a pragmatic research approach; 5. New technologies and sectoral adaptability; 5.1 Transformative impulses from technology and how sectors cope with them 5.2 Variant I: inadaptability 5.3 Variant II: proactive adaptability; 5.4

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Sommario/riassunto

Scientific concepts on the co-evolution of technology and society, as well as recent sociotechnical system approaches, focus on the general interrelations between technology, socioeconomic structures, and institutions. Their aim is to study and explain processes and modes of technological change. Rarely, however, have answers been put forward on the related question of processes of socioeconomic and institutional change, provoked by emerging new technological opportunities and constraints. The Transformative Capacity of New Technologies redresses this imbalance, explori
