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**Business and Management : Business IT Infrastructure**

Ferdinand, J.-P., Petschow, U., Dickel, S. (Eds.)

# The Decentralized and Networked Future of Value Creation

**3D Printing and its Implications for Society, Industry, and Sustainable Development**

- Describes fundamental shifts in techno-economic paradigms, with a focus on manufacturing
- Outlines the potentials of digitalization and decentralized technologies for new business models
- Develops a framework for new modes and sites of participative value creation like open innovation, FabLabs, hackerspaces, open source hardware etc.
- Pursues an interdisciplinary approach that yields multifaceted findings with relevance for researchers and practitioners alike
- Highlights emergent sustainability issues concerning new decentralized technologies and outlines governance options

This book identifies, analyzes and discusses the current trends of digitalized, decentralized, and networked physical value creation by focusing on the particular example of 3D printing. In addition to evaluating 3D printing's disruptive potentials against a broader economic background, it also addresses the technology's potential impacts on sustainability and emerging modes of bottom-up and community-based innovation. Emphasizing these topics from economic, technical, social and environmental perspectives, the book offers a multifaceted overview that scrutinizes the scenario of a fundamental transition: from a centralized to a far more decentralized system of value creation.

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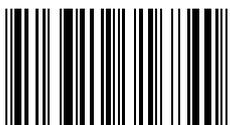
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