



## Digital Manufacturing

By Christoph Haag

Metropolis Verlag Mrz 2016, 2016. Taschenbuch. Condition: Neu. Neuware - The tools to create the world we live in are changing substantially. The digital age is about to penetrate into manufacturing practice. Machines and products become virtually connected and new manufacturing technologies, commonly subsumed under the term 3D printing, hold out the prospect of great flexibility in regards to production footprints and product customisation. These developments call today's traditional structures of product-making industries, which are primarily based on the concept of centralised fabrication, into question. This volume collects contributions of multiple disciplines such as economics, production management, logistics, mechanical engineering, and information technology aiming to present a holistic view on a digital manufacturing future including socioeconomic impacts of these new technologies. Contents Ashfaq/Haag: Emerging Trends and Opportunities in Digital Manufacturing - Gausemeier et al.: Additive Manufacturing: Costs, Strategy, Outlook - Triebs/Kampker: Rapid Additive Tooling for the Production of Tailor-made E-Mobility Solutions - Koch/Jahnke: Product Piracy Protection via Additive Manufacturing - Klein/Berendonk/Struck: Robustness Optimization of Global Production Networks - Klein/Dederichs/Theißen: Lean Game 4.0 - Industrial Internet Model Factory - Klein/Fengler/Struck: EPEI Simulation Tool for Production Optimization - Schwind: Information Logistics and Digital Manufacturing: How Information Can Reduce the Burden of Logistics...



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