Abstract

Today's business environment is changing constantly due to global competition, cost pressure, and increasingly demanding customer requirements. An ever increasing range of product variants accompanied by a shortening of product life cycles changes markets and increases the pressure to innovate products as well as processes. In this context supply chains become increasingly more complex and supply chain management becomes more and more challenging. Today, the total supply chain capability and performance matters, as competition between individual companies becomes competition between entire supply chains.

The aim of this book is to provide an insight into current research fields in logistics and supply chain management, discussing current challenges as well as concepts, tools, and methods that deal with the complexity of and the emerging challenges for logistics and supply chain management. This book includes nine different articles in which the authors illustrate some advanced logistics and supply chain management topics, currently relevant to scientific research and industry. The topics discussed range from managing supply chain risks, the potential of predictive maintenance, hybrid assembly systems, and parts feeding policies to sustainability aspects for supplier qualification.

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Institut für Logistik und Materialflusstechnik
Fakultät für Maschinenbau
Otto-von-Guericke-Universität Magdeburg

39106 Magdeburg
Universitätsplatz 2
Gruson Gebäude (Geb. 10)

Telefon: +49 391 - 67 58604
Telefax: +49 391 - 67 12646
ilm@ovgu.de

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