

# Contents

## Part I: Decision Making in Supply Chains

<b>A framework for collaborative planning and state-of-the-art .....</b>	<b>3</b>
--	----------

*H. Stadtler*

<b>Simulation and optimization of supply chains: alternative or complementary approaches? .....</b>	<b>29</b>
---	-----------

*C. Almeder, M. Preusser, R.F. Hartl*

## Part II: Demand Management

<b>Revenue management and demand fulfillment: matching applications, models and software .....</b>	<b>57</b>
--	-----------

*R. Quante, H. Meyr, M. Fleischmann*

<b>Active demand management for substitute products through price optimisation .....</b>	<b>89</b>
--	-----------

*A.A. Levis, L.G. Papageorgiou*

<b>Customer segmentation, allocation planning and order promising in make-to-stock production .....</b>	<b>117</b>
---	------------

*H. Meyr*

<b>Managing product availability in an assemble-to-order supply chain with multiple customer segments .....</b>	<b>145</b>
---	------------

*T.R. Ervolina, M. Ettl, Y.M. Lee, D.J. Peters*

<b>Inventory reservation and real-time order promising in a make-to-stock system.....</b>	<b>169</b>
---	------------

*R. Pibernik, P. Yadav*

### **Part III: Inventory Management**

<b>Setting safety stocks in multi-stage inventory systems under rolling horizon mathematical programming models.....</b>	<b>199</b>
--	------------

*Y. Boulaksil, J.C. Fransoo, E.N.G. van Halm*

<b>Supplier managed inventory in the OEM supply chain: the impact of relationship types on total costs and cost distribution.....</b>	<b>219</b>
---	------------

*P.L.M. van Nyen, J.W.M. Bertrand, H.P.G. van Ooijen, N.J. Vandaele*

<b>Vendor-managed inventory and the effect of channel power .....</b>	<b>247</b>
---	------------

*B.C. Bichescu, M.J. Fry*

### **Part IV: Applications in the Chemical Industry**

<b>Value chain management for commodities: a case study from the chemical industry.....</b>	<b>283</b>
---	------------

*M. Kannegiesser, H.-O. Günther, P. van Beek, M. Grunow, C. Habla*

<b>MILP-based campaign scheduling in a specialty chemicals plant: a case study.....</b>	<b>315</b>
---	------------

*M. Brandenburg, F.-J. Tölle*

### **Part V: Applications in the Automotive Industry**

<b>Supply chain planning in the German automotive industry .....</b>	<b>343</b>
--	------------

*H. Meyr*

<b>Modeling and optimizing of strategic and tactical production planning in the automotive industry under uncertainty.....</b>	<b>367</b>
--	------------

*R. Bihlmaier, A. Koberstein, R. Obst*

Supply Chain Planning  
Quantitative Decision Support and Advanced Planning  
Solutions

Günther, H.-O.; Meyr, H. (Eds.)  
2009, X, 392 p. 77 illus., Hardcover  
ISBN: 978-3-540-93774-6