

HARTMUT STADTLER
CHRISTOPH KILGER
Editors

Supply Chain Management and Advanced Planning

Concepts, Models, Software
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Sandhu, 2010 Book Jacket **Integrated Biorefineries** Paul R. Stuart, Mahmoud M. El-Halwagi, 2012-12-10 Integrated Biorefineries Design Analysis and Optimization examines how to create a competitive edge in biorefinery innovation through

integration into existing processes and infrastructure Leading experts from around the world working in design synthesis and optimization of integrated biorefineries present the various aspects of this complex

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Journal of Economic Literature, 2001 **91st Annual Meeting Preprints: Papers presented Thursday, February 10, 2005** Pulp and Paper Technical Association of Canada. Meeting, 2005 **Recent Advances in**

Decision Making Under Uncertainty Shou-Yang Wang, 2005 **Interfaces**, 2004 Seeks to improve communication between managers and professionals in OR MS **Mastering the Dynamics of Apparel Innovation** Christian Simoni, 2003 Optimize visibility of final demand in the supply chain Lars Wenzel, 2018-06-11 Studienarbeit aus dem Jahr 2017 im Fachbereich BWL Beschaffung Produktion Logistik Note 1,0 Ernst Abbe Hochschule Jena ehem Fachhochschule Jena Sprache Deutsch Abstract The problem in the simulation game Supply Chain Simulation Module was that the different players of a chain supplier manufacturer retailer wholesaler customer communicated exclusively with orders in order to fulfill the given market demand or the needs of their teammates Due to delays in deliveries there were increased orders in period three which already exceeded the final demand as a whole This led to a chaotic ordering and or demand behavior The uncertainties in the demand forecast initially led to bottlenecks The bottlenecks led to higher safety stocks which led to overproduction This led to a negatively evolving supply chain that affected the company This phenomenon is also referred to as a bullwhip effect In this assignment a possible cause which has strengthened the bullwhip effect is investigated The role of the author in order management as well as the presentation topic Information and Funds Flow in Supply Chains are taken into account During the execution of the planning game the author was free to choose within the order management whether he should initiate an internal production or serve the customer demand from the warehouse This free decision leaves a very high risk of the bullwhip effect taking place Decisions are made without knowing all possible outcomes which can have a reverberating effect on the entire company For this reason the assignment is being investigated It is researched which tools are necessary for the order management to make secure and reliable decisions in the future In addition it will be shown how the communication within the company can be improved

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