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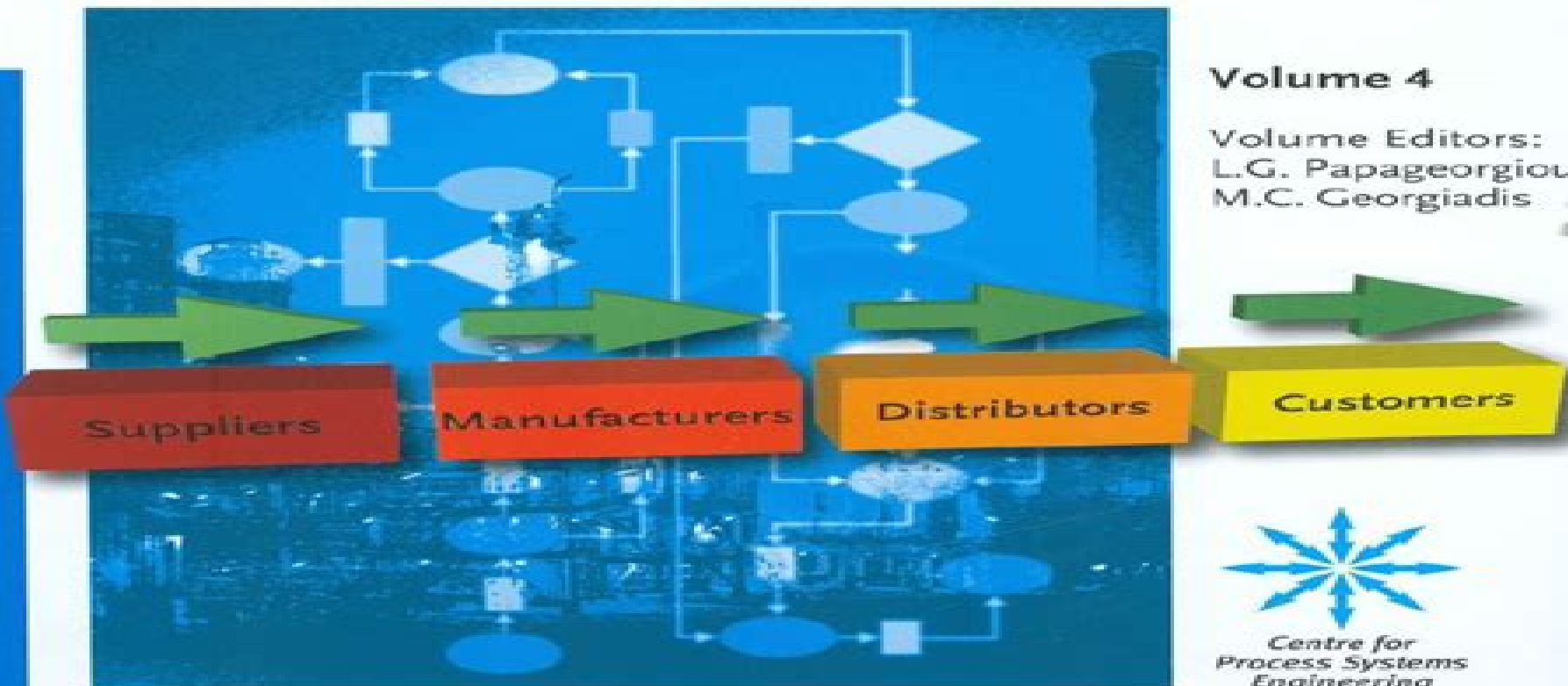
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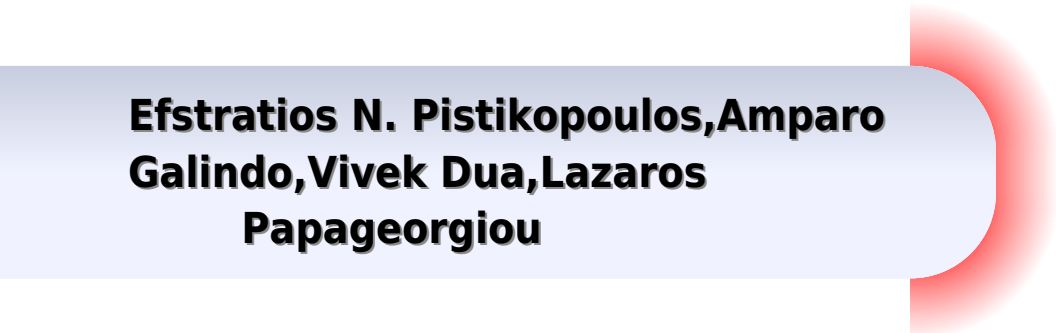
Volume 4

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Supply Chain Optimization Process Systems Engineering

**Efstratios N. Pistikopoulos, Amparo
Galindo, Vivek Dua, Lazaros
Papageorgiou**



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Supply Chain Optimization Lazaros G. Papageorgiou, Michael C. Georgiadis, 2008 *14th International Symposium on Process Systems Engineering* Yoshiyuki Yamashita, Manabu Kano, 2022-06-24 14th International Symposium on Process Systems Engineering Volume 49 brings together the international community of researchers and engineers interested in computing based methods in process engineering The conference highlights the contributions of the PSE community towards the sustainability of modern society and is based on the 2021 event held in Tokyo Japan July 1-23 2021 It contains contributions

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and techniques of industrial engineering applied to the global supply chain The specific application addressed in this book is the supply chain which has been disrupted due to COVID 19 and the closure of several plants in the chain The book presents the basic tools of industrial engineering applicable to a dynamic supply chain system It recognizes the nuances of human factors in any commerce and industry and covers the basic elements of a supply chain from a systems perspective It highlights the global impacts of disruption caused by COVID 19 and leverages the Triple C Model of system communication cooperation and coordination It also illustrates the applicability of the DEJI systems model for supply chain design evaluation justification and integration Supply chain modeling optimization examples are offered and the introduction of a newly developed learning curve model applied to the global supply chain is presented The contents of the book are applicable not only to the food supply chain but also to the supply of other commodities including physical products services and desired end results The book is written for engineers working in production civil mechanical and other industries It will be of interest to engineering managers consultants as well as those involved with business management University students and instructors will also find this book useful as a general reference

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