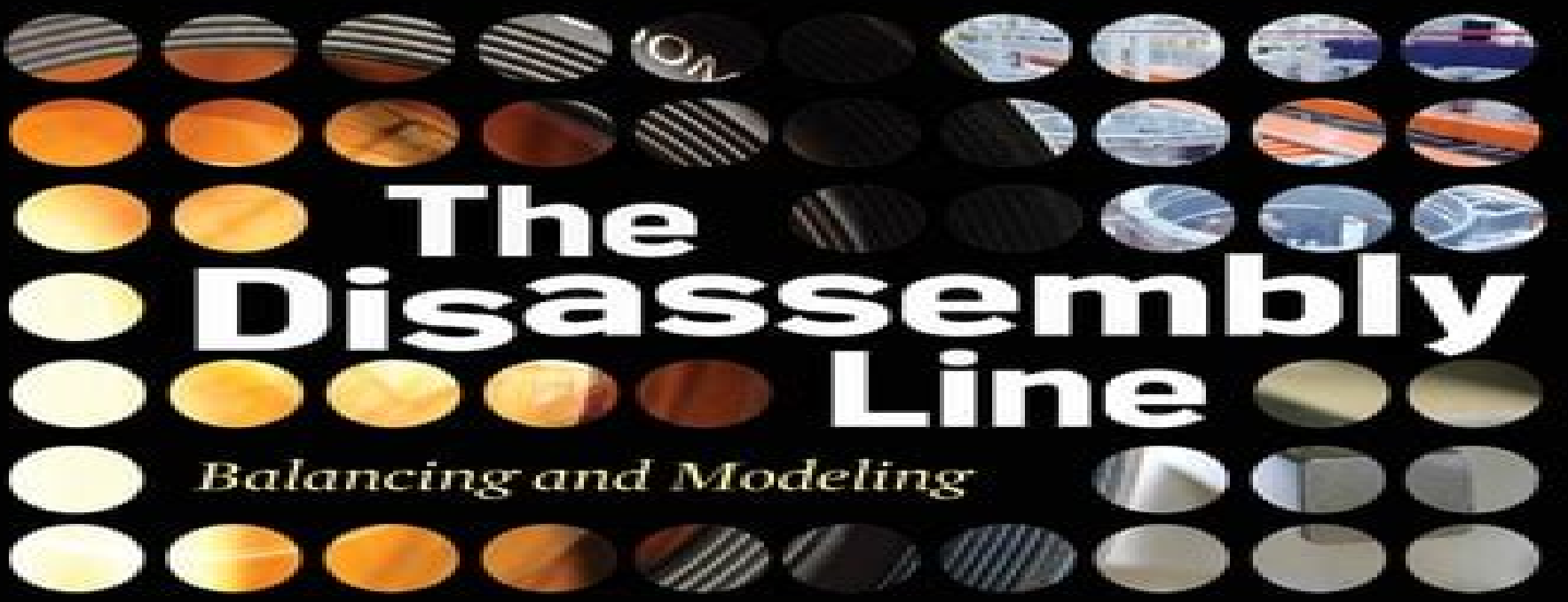




The Disassembly Line

Balancing and Modeling

Seamus M. McGovern
Surendra M. Gupta

The Disassembly Line Balancing And Modeling

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Disassembly Modeling for Assembly, Maintenance, Reuse and Recycling A.J.D. (Fred) Lambert, Surendra M. Gupta, 2004-12-28 Industry has grown to recognize the value of disassembly processes across a wide range of products Increasing legislation that may soon require mandatory recycling of many post consumed goods and a desire to develop more environmentally benign end of life processes has fueled research into this concept Traditionally disassembly has been viewed a

Advances in Production Management Systems. Sustainable Production and Service Supply Chains Vittal Prabhu, Marco Taisch, Dimitris Kiritsis, 2013-09-05 The two volumes IFIP AICT 414 and 415 constitute the refereed proceedings of the International IFIP WG 5 7 Conference on Advances in Production Management Systems APMS 2013 held in University Park PA USA in September 2013 The 133 revised full papers were carefully reviewed and selected for inclusion in the two volumes They are organized in 4 parts sustainable production sustainable supply chains sustainable services and ICT and emerging technologies

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Intelligent Production and Manufacturing Optimisation—The Bees Algorithm Approach Duc Truong Pham, Natalia Hartono, 2022-11-19 This book is the first work dedicated to the Bees Algorithm Following a gentle introduction to the main ideas underpinning the algorithm the book presents recent results and developments relating to the algorithm and its application to optimisation problems in production and manufacturing With the advent of the Fourth Industrial Revolution production and manufacturing processes and systems have become more complex To obtain the best performance from them requires efficient and effective optimisation techniques that do not depend on the availability of process or system models Such models are usually either not obtainable or mathematically intractable due to the high degrees of nonlinearities and uncertainties in the processes and systems to be represented The Bees Algorithm is a powerful swarm based intelligent optimisation metaheuristic inspired by the foraging behaviour of honeybees The algorithm is conceptually elegant and extremely easy to apply All it needs to solve an optimisation problem is a means to evaluate the quality of potential solutions This book demonstrates the simplicity effectiveness and versatility of the algorithm and encourages its further adoption by engineers and researchers across the world to realise smart and sustainable manufacturing and production in the age of Industry 4.0 and beyond

Applications of Multi-Criteria and Game Theory Approaches Lyes Benyoucef, Jean-Claude Hennet, Manoj Kumar Tiwari, 2013-10-17 Aligning the latest practices innovations and case studies with academic frameworks and theories the broad area of multi criteria and game theory applications in manufacturing and logistics is covered in comprehensive detail Divided into two parts part I is dedicated to multi criteria applications and includes chapters on logistics with a focus on vehicle routing problems a multi objective decision making approach to select the best storage policy and an exploratory study to predict the most important factors that can lead to successful mobile supply chain management adoption for manufacturing firms Part II covers game theory applications and encompasses the process of forming a coalition within a corporate network to the problem of integrating inventory and distribution optimization together with game theory to effectively manage supply networks Providing a forum to investigate exchange novel ideas and disseminate knowledge covering the broad area of multi criteria and game theory applications in manufacturing and logistics *Applications of Multi Criteria and Game Theory Approaches* is an excellent reference for students researchers but also managers and industry professionals working with manufacturing and logistics issues

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