Optimum Decision Making in Asset Management

Part of the Advances in Logistics, Operations, and Management Science Book Series

María Carmen Carnero (University of Castilla – La Mancha, Spain) and Vicente González-Prada (University of Seville, Spain)

Description:

Asset management is becoming increasingly important to an organization’s strategy, given its effects on cost, production, and quality. No matter the sector, important decisions are made based on techniques and theories that are thought to optimize results; asset management models and techniques could help maximize effectiveness while reducing risk.

Optimum Decision Making in Asset Management posits that effective decision making can be augmented by asset management based on mathematical techniques and models. Resolving the problems associated with minimizing uncertainty, this publication outlines a myriad of methodologies, procedures, case studies, and management tools that can help any organization achieve world-class maintenance.

Readers:

This book is ideal for managers, manufacturing engineers, programmers, academics, and advanced management students.

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Topics Covered:

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Maria Carmen Carnero has a Doctorate in Industrial Engineering from the University of Castilla-La Mancha (2001) and is a lecturer at the Higher Technical School of Industrial Engineering at the University of Castilla-La Mancha. She has published two books, four chapters in science books, and research articles in Omega, Decision Support System, European Journal of Operational Research, Reliability Engineering and System Safety, European Journal of Industrial Engineering, Journal of Manufacturing Systems, The International Journal of Advanced Manufacturing Technology, Mechanical Systems and Signal Processing, Production Planning and Control, etc. She has 57 contributions to conferences. She was the lead researcher in three projects financed by the regional government, and has been a part of 17 other European, national, regional and local projects, and of seven contracts.

Dr. Vicente Gonzalez-Prida is PhD (Summa Cum Laude) in Industrial Engineering by the University of Seville, and Executive MBA (First Class Honors) by the Chamber of Commerce. He has been honoured with the following awards and recognitions: - Extraordinary Prize of Doctorate by the University of Seville; - National Award for PhD Thesis on Dependability by the Spanish Association for Quality; - National Award for PhD Thesis on Maintenance by the Spanish Association for Maintenance; - Best Nomination from Spain for the Excellence Master Thesis Award bestowed by the EFNSM (European Federation of National Maintenance Societies). Dr. Gonzalez-Prida is a member of the Club of Rome (Spanish Chapter) and has written multitude of articles for international conferences and publications. His main interest is related to industrial asset management, specifically the reliability, maintenance and after-sales organization. He currently works as a Program Manager in the company General Dynamics - European Land Systems and shares his professional performance with the development of research projects in the Department of Industrial Organization and Management at the University of Seville.