Record Nr. UNINA9910299922603321 Advanced Maintenance Modelling for Asset Management [[electronic **Titolo** resource]]: Techniques and Methods for Complex Industrial Systems / / edited by Adolfo Crespo Márquez, Vicente González-Prida Díaz, Juan Francisco Gómez Fernández Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2018 **ISBN** 3-319-58045-0 Edizione [1st ed. 2018.] 1 online resource (XXI, 467 p. 144 illus., 69 illus. in color.) Descrizione fisica Disciplina 658.5 Soggetti Engineering economics Engineering economy Mathematical optimization **Probabilities** Production management Quality control Reliability Industrial safety Operations research **Decision making** Engineering Economics, Organization, Logistics, Marketing Optimization Probability Theory and Stochastic Processes **Operations Management** Quality Control, Reliability, Safety and Risk Operations Research/Decision Theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references at the end of each chapters. Nota di contenuto Part I: Introduction -- Chapter 1: Asset Management in the Context of

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Sommario/riassunto

This book promotes and describes the application of objective and effective decision making in asset management based on mathematical models and practical techniques that can be easily implemented in organizations. This comprehensive and timely publication will be an essential reference source, building on available literature in the field of asset management while laying the groundwork for further research breakthroughs in this field. The text provides the resources necessary for managers, technology developers, scientists and engineers to adopt and implement better decision making based on models and techniques that contribute to recognizing risks and uncertainties and, in general terms, to the important role of asset management to increase competitiveness in organizations.