1. Record Nr. UNINA9910645890203321 Autore Liu Yu Titolo Selective Maintenance Modelling and Optimization: Basic Methods and Some Recent Advances / / by Yu Liu, Hong-Zhong Huang, Tao Jiang Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2023 **ISBN** 3-031-17323-6 Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (197 pages) Collana Springer Series in Reliability Engineering, , 2196-999X Disciplina 620.00452 Soggetti Industrial design Mathematical optimization Stochastic models Industrial Design Optimization Stochastic Modelling Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Chapter 1. Introduction -- Chapter 2. Basic Selective Maintenance Nota di contenuto Model -- Chapter 3. Selective Maintenance for Multi-State Systems Under Imperfect Maintenance -- Chapter 4. Selective Maintenance for Multi-State Systems with Loading Strategy -- Chapter 5. Selective Maintenance under Stochastic Time Durations of Breaks and Maintenance Actions -- Chapter 6. Robust Selective Maintenance under Imperfect Observations -- Chapter 7. Selective Maintenance and Inspection Optimization for Partially Observable Systems -- Chapter 8. Selective Maintenance for Systems Operating Multiple Consecutive Missions -- Chapter 9. Dynamic Selective Maintenance for Multi-State Systems Operating Multiple Consecutive Missions. . Sommario/riassunto This book is a detailed introduction to selective maintenance and updates readers on recent advances in this field, emphasizing mathematical formulation and optimization techniques. The book is useful for reliability engineers and managers engaged in the practice of reliability engineering and maintenance management. It also provides

references that will lead to further studies at the end of each chapter.

This book is a reference for researchers in reliability and maintenance and can be used as an advanced text for students.