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Sommario/riassunto

"This book is a reference that makes a connection between developments in computer technology infrastructure management. It provides a unique form for computational techniques and state-of-the-art automation applications. It contains the fundamental emerging technologies and methods in both automation and computational intelligence, beginning with a widespread overview of the field followed a detailed presentation of the methodology. This book specifically focuses on very recent advances in maintenance and management of infrastructures robotics, automated inspection, remote sensing, and application of new and emerging computing like artificial intelligence, evolutionary computing, fuzzy logic, genetic algorithms, knowledge discovery and engineering, machine learning, neural network computing, optimization and search, parallel processing, vision and image processing."--
