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Nota di contenuto	1. Optical resistance switch for optical sensing -- 2. Empirical, statistical, and machine learning techniques for predicting surface settlement induced by Tunnelling -- 3. A review on the feasibility of Artificial Intelligence in Mechatronics -- 4. Feasibility of artificial intelligence techniques in rock characterization -- 5. A review on the application of soft computing techniques in Foundation Engineering.
Sommario/riassunto	Recent studies highlight the application of artificial intelligence, machine learning, and simulation techniques in engineering. This book covers the successful implementation of different intelligent techniques in various areas of engineering focusing on common areas between mechatronics and civil engineering. The power of artificial intelligence and machine learning techniques in solving some examples of real-life problems in engineering is highlighted in this book. The implementation process to design the optimum intelligent models is discussed in this book.