

1. Record Nr.	UNINA9910711113303321
Titolo	Development, testing, and evaluation of visual landing aids : consolidated progress report for the period April 1 to June 30, 1954 // National Bureau of Standards
Pubbl/distr/stampa	Gaithersburg, MD : , : U.S. Dept. of Commerce, National Institute of Standards and Technology, , 1954
Descrizione fisica	1 online resource
Collana	NBS report ; ; 3377
Soggetti	Landing aids (Aeronautics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	1954. Contributed record: Metadata reviewed, not verified. Some fields updated by batch processes. Title from PDF title page.
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910903791703321
Titolo	Intelligent Methods in Electrical Power Systems // edited by Chetan B. Khadse, Ishaan R. Kale, Apoorva S. Shastri
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9757-18-5
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (XIII, 171 p. 100 illus., 79 illus. in color.)
Collana	Engineering Optimization: Methods and Applications, , 2731-4057
Disciplina	006.3
Soggetti	Computational intelligence Electric power production Artificial intelligence Algorithms Mathematical optimization Computational Intelligence Electrical Power Engineering Artificial Intelligence Optimization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Review on intelligent methods in Electrical power systems -- Investigation of Electric Load Forecasting Methods: A Weka Application (Regression and Optimization) -- Integration of Intelligent Systems for Efficient Smart Grid Management -- An Application of Artificial Bee Colony and Cohort Intelligence in Automatic Generation Control of Thermal Power System -- Distribution System Losses and Its Allocation: Effects of Load Power Factor and Distributed Generations -- IoT based Intelligent Home Automation System using IFTTT with Google Assistant -- A review on Meta-heuristic Optimization Methods for Efficient Power System Operation -- Ice thickness control circuit to automate the milk chilling system -- SCGB Neural Network based Micro-grid AC Side Fault Analysis -- Artificial intelligence based system for detection and classification of faults in Induction motor.
Sommario/riassunto	This book provides a comprehensive review of the latest developments

in optimization based learning algorithms within the field of electrical engineering. It covers various power system applications including efficient power system operation, load forecasting, fault analysis, home automation and efficient smart grid management. Each application is accompanied by case studies and a literature review in self-contained chapters. The book is dedicated to study the effectiveness of intelligent methods in addressing the power system problems and its mitigation using optimization algorithms. It discusses several optimization algorithms such as random forest algorithm, metaheuristic algorithm, scaled conjugate gradient descent algorithm, artificial bee colony algorithm etc. and their usability in intelligent decision makers for the various optimization problems in electrical engineering. This timely book serves as a practical guide and reference sources for students, researchers and professionals.
