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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Feature Subset Selection Approach by Gray-wolf Optimization -- Optimization of Wind Direction Distribution Parameters using Particle Swarm Optimization.-A Perspective of the Cellular Network of the Future: Cloud-RAN -- Extraction of Fetal ECG from Abdominal ECG and Heart Rate Variability Analysis -- Addition of Static Aspects to the Intuitive Mapping of UML Activity Diagram to CPN -- Flash Assisted Segmented Bloom Filter for Deduplication -- A Train Run Simulation with the Aid of the EMTP ATP Programs -- Comparative Assessment of Temperature Based ANN and Angstrom Type Models for Predicting Global Solar Radiation -- Position Control and Tracking of Ball and Plate System Using Fuzzy Sliding Mode Controller -- A Simulation of Project Completion Probability using Different Probability Distribution Functions -- Dynamic simulation of T-Track: Under Moving Loads --

Utilizing Text Similarity Measurement for Data Compression to Detect Plagiarism in Czech -- AJAX Speed Up vs. JSP in portal - Case Study -- Intelligent Decision Support for Real Time Health Care Monitoring System -- An Efficient Segmentation Algorithm for Arabic Handwritten Characters Recognition System -- Graph Drawing Using Dimension Reduction Methods -- Design of a Single Stage Thermoelectric Power Generator Module with specific Application on the Automotive Industry -- Ethiopian Livestock Husbandry Cluster Identification Using FUZZY-AHP Approach -- Thermal Analysis, Design and Experimental Investigation of Parabolic Trough Solar Collector -- Performance Improvement by Scheduling Techniques: A Case of Leather Industry Development Institute -- Response Time Reduction in the Leather Products Manufacturing Industry Using Arena Simulation Method. Lead Time Prediction Using Simulation in Leather Shoe Manufacturing -- Ensemble Neurocomputing Based Oil Price Prediction -- Internet of Things Communication Reference Model and Traffic Engineer System (TES) -- Modeling Cloud Computing Risk Assessment Using Machine Learning -- Adaptation of Turtle Graphics Method for Visualization of the Process Execution -- NFL Results Predictor as a Smart Mobile Application -- Security Issues of Mobile application using Cloud Computing -- SIFT-based Arabic Sign Language Recognition System -- Stock Market Forecasting Using LASSO Linear Regression Model.

| Sommario/riassunto | This volume contains accepted papers presented at AECIA2014, the First International Afro-European Conference for Industrial Advancement. The aim of AECIA was to bring together the foremost experts as well as excellent young researchers from Africa, Europe, and the rest of the world to disseminate latest results from various fields of engineering, information, and communication technologies. The first edition of AECIA was organized jointly by Addis Ababa Institute of Technology, Addis Ababa University, and VSB - Technical University of Ostrava, Czech Republic and took place in Ethiopia's capital, Addis Ababa. |