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Descrizione fisica	1 online resource (998 pages)
Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 554
Disciplina	621.3
Soggetti	Electrical engineering Power electronics Control engineering Communications Engineering, Networks Power Electronics, Electrical Machines and Networks Control and Systems Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	New Neuromorphic AI NM500 and its ADAS application -- Analyzing l1-loss and l2-loss Support Vector Machines Implemented in PERMON toolbox -- Hybrid Fuzzy Neural Model Based Dempster-Shafer System for Processing of Diagnostic Information -- Proposal of Electrode System for Measuring Level of Glucose in the Blood -- Substitution rules with respect to a context -- Fuzzy Model Predictive Control for discrete-time system with input delays -- An Improvement of Fuzzy-based Control Strategy for a Series Hydraulic Hybrid Truck -- Acceleration of Particle Swarm Optimization with AVX Instructions -- A New Approach Newton-Raphson Load Flow Analysis in Power System Networks with STATCOM -- Neural Network for Smart Adjustment of Industrial Camera - Study of Deployed Application .
Sommario/riassunto	These proceedings address a broad range of topic areas, including telecommunication, power systems, digital signal processing, robotics, control systems, renewable energy, power electronics, soft computing and more. Today's world is based on vitally important technologies that

combine e.g. electronics, cybernetics, computer science, telecommunication, and physics. However, since the advent of these technologies, we have been confronted with numerous technological challenges such as finding optimal solutions to various problems regarding controlling technologies, signal processing, power source design, robotics, etc. Readers will find papers on these and other topics, which share fresh ideas and provide state-of-the-art overviews. They will also benefit practitioners, who can easily apply the issues discussed here to solve real-life problems in their own work. Accordingly, the proceedings offer a valuable resource for all scientists and engineers pursuing research and applications in the above-mentioned fields.
