Medical Image Enhancement by Image Fusion in Wavelet Domain

Hojjati S. H., Hosseinzadeh M., Reihanian A.

ABSTRACT: Owing to advances in medicine, with the increase

Key words: Wavelet transform, Medical image, Image fusion
ABSTRACT: In this paper a power electronic converter on the basis of asymmetrical Γ-Source inverter has identified to control the Switched Reluctance Motor (SRM). The proposed inverter is a three-phase asymmetrical Γ-Source inverter that can effectively control the SRM. The performance of the inverter is tested in MATLAB/Simulink to prove the performance of the designed control system.

Keywords: Power Electronic Converter, Asymmetrical Γ-Source Inverter.
Path-finding in Multi-Agent, unexplored And Dynamic Military Environment Using Genetic Algorithm

Original Research, C16
Saeedvand S, Razavi SN, Ansaroudi F.

ABSTRACT
Keywords
Placement of Dispersed Generation with the Purpose of Losses Reduction and Voltage Profile Improvement in Distribution Networks Using Particle Swarm Optimization Algorithm

Original Research, C17
Yousefpour K.

ABSTRACT: Optimal placement of dispersed generation in electrical distribution systems was carried out considering the voltage ... positions and a position with no dispersed generation. The results indicated the competency of the proposed algorithm.

Keywords: Optimal Placement, Dispersed Generation, PSO Algorithm, Voltage Profile, Losses

A Compact Monopole Antenna for Wireless Applications

Original Research, C18
Jamalpoor R.

ABSTRACT: A tiny wideband microstrip-fed monopole antenna which includes of a radiating patch with two L-shaped notches and stubs ... Ansoft HFSS and details of the proposed antenna design approach and measured results are also presented and discussed.

Keywords: Microstrip Antenna, Monopole, Wireless.
ABSTRACT: Welding, as one of the most useful method for permanent joint of components, is of great importance in industry. Among various factors effective on the welded joint hardness, the nugget size and thickness of magnesium oxide nanoparticles had respectively the highest impact on the hardness of melted zone.

Keywords: Submerged Arc Welding, Hardness of Melted Zone.
Discretization of Cuckoo Optimization Algorithm for Solving Quadratic Assignment Problems

Original Research, C20
Kazemi E and Dejam S.

ABSTRACT:

Quadratic Assignment Problem (QAP) is one of the combinatorial optimization problems about which research has been done in many fields. Cuckoo Optimization Algorithm (COA) is a new meta-heuristic algorithm that has been used to solve many problems in different fields. In its current version, COA is used to solve continuous problems. In the present paper, the Cuckoo Optimization Algorithm is discretized for solving the quadratic assignment problem. The results show that the method has a suitable performance in solving the problem and is able to find the optimal or near-optimal solutions.

Keywords:

Quadratic Assignment Problem (QAP), Meta-Heuristic Algorithms, Discrete Cuckoo Optimization Algorithm (DCOA).