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Wireless Networks

The Journal of Mobile Communication, Computation and Information

Volume 26, issue 7, October 2020

Special Issue on Intelligent Computing in Science and Technology (pp. 4739-4818)

Issue editors

José Antonio Marmolejo-Saucedo & Pandian Vasant

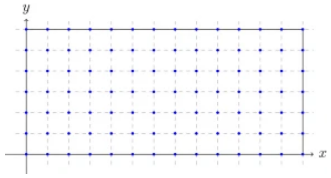
50 articles in this issue

Intelligent computing in science and technology

Jose Antonio Marmolejo-Saucedo & Pandian Vasant

Guest Editorial | Published: 29 June 2020 | Pages: 4739 - 4741

Binary monkey algorithm for approximate packing non-congruent circles in a rectangular container

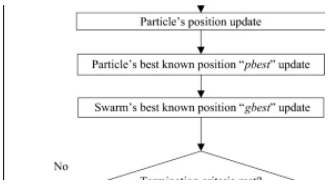


Rafael Torres-Escobar, José Antonio Marmolejo-Saucedo & Igor Litvinchev

OriginalPaper | Published: 13 November 2018

Pages: 4743 - 4752

Nature-inspired meta-heuristics approaches for charging plug-in hybrid electric vehicle



Pandian Vasant, Jose Antonio Marmolejo ... Roman Rodriguez Aguilar

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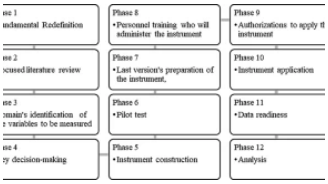
Pages: 4753 - 4766

Vertical and horizontal integration systems in Industry 4.0



Magdiel Pérez-Lara, Jania Astrid Saucedo-Martínez ... Pandian Vasant

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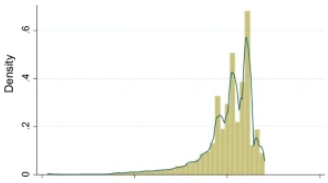
Pages: 4767 - 4775

Optimization of public resources through an ensemble-learning model to measure quality perception in the social protection system in health of Mexico



Roman Rodriguez-Aguilar & Gustavo Rivera-Peña

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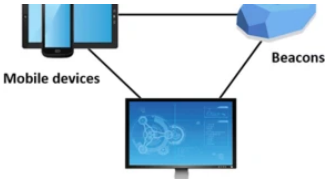
Pages: 4777 - 4787

Better campus life for visually impaired University students: intelligent social walking system with beacon and assistive technologies



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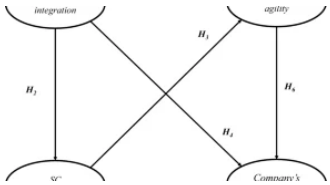
Pages: 4789 - 4803

Effect of ICT integration on SC flexibility, agility and company' performance: the Mexican maquiladora experience



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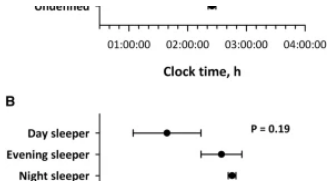
Pages: 4805 - 4818

Impacts of sleeping time during the day on the timing and level of basal heart rate: analysis of ALLSTAR big data



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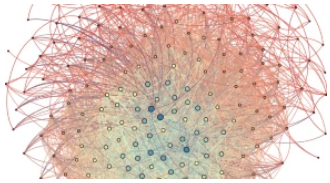
Pages: 4819 - 4823

Dynamic reputation information propagation based malicious account detection in OSNs



Haoyan Liang, Zhigang Chen & Jia Wu

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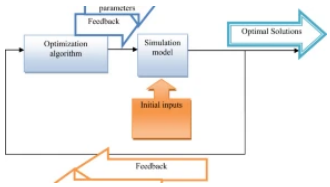
Pages: 4825 - 4838

Simulation-based optimization for material handling systems in manufacturing and distribution industries



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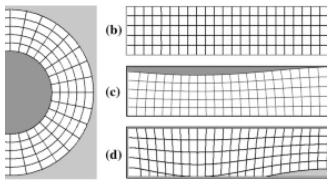
Pages: 4839 - 4860

Enhancing iris template matching with the optimal path method



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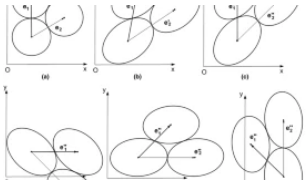
Pages: 4861 - 4868

Packing ellipses in an optimized rectangular container



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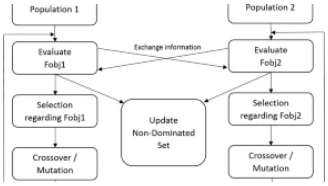
Pages: 4869 - 4879

Approximating the Pareto front of a bi-objective problem in telecommunication networks using a co-evolutionary algorithm



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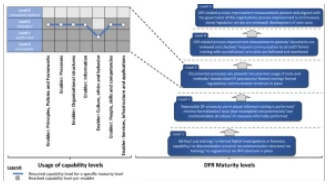
Pages: 4881 - 4893

Towards a capability maturity model for digital forensic readiness



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Pages: 4895 - 4907

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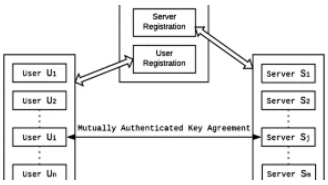

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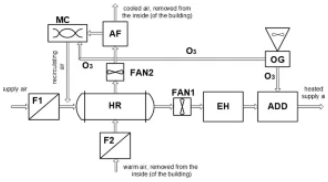
Pages: 4909 - 4920

Energy-saving automated system for microclimate in agricultural premises with utilization of ventilation air



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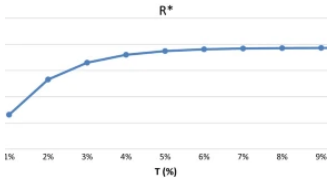
Pages: 4921 - 4928

An optimization model for investment in technology and government regulation



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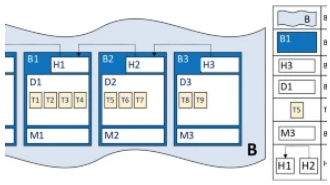
Pages: 4929 - 4941

An extended access control model for permissioned blockchain frameworks



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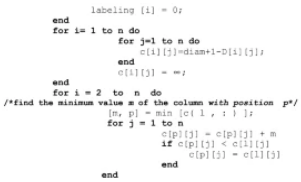
Pages: 4943 - 4954

An upper bound of radio *k*-coloring problem and its integer linear programming model



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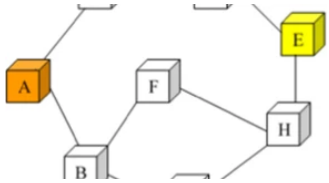
Pages: 4955 - 4964

A new algorithm for optimization of quality of service in peer to peer wireless mesh networks



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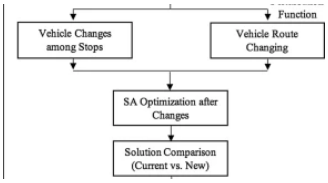
Pages: 4965 - 4973

Artificial intelligence and DOE: an application to school bus routing problems



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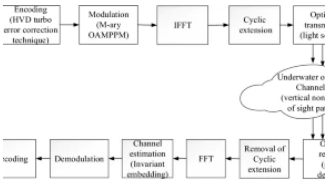
Pages: 4975 - 4983

Channel estimation and error correction for UWOC system with vertical non-line-of-sight channel



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OriginalPaper | Published: 25 May 2020 |

Pages: 4985 - 4997

A novel node authentication protocol connected with ECC for heterogeneous network

Purushottam G. Chilveri & Manoj S. Nagmode

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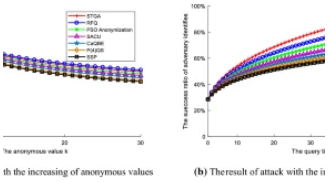
A ε-sensitive indistinguishable scheme for privacy preserving



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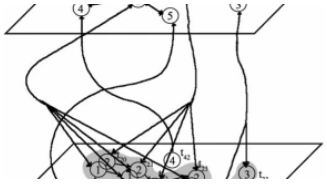
Pages: 5013 - 5033

Influence maximization algorithm based on cross propagation in location-based social networks



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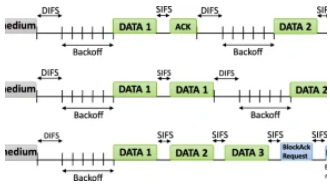
Pages: 5035 - 5046

Performance evaluation and tuning of an IEEE 802.11 audio video multicast collision prevention mechanism



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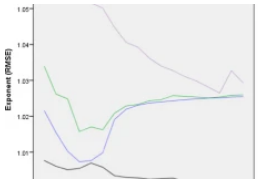
Pages: 5047 - 5061

Closed form expression for the inverse cumulative distribution function of Nakagami distribution



Hilary Okagbue, Muminu O. Adamu & Timothy A. Anake

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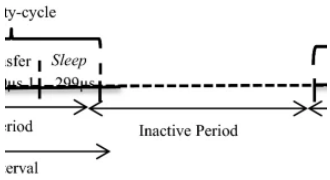
Pages: 5063 - 5084

An Autonomous Fault-Awareness model adapted for upgrade performance in clusters of homogeneous wireless sensor networks



Walaa M. Elsayed, Hazem M. El-Bakry & Salah M. El-Sayed

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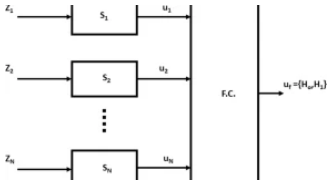
Pages: 5085 - 5100

Optimum consultation for parallel distributed detection systems



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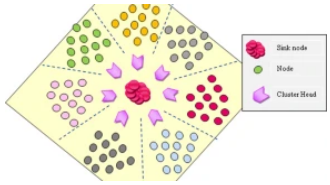
Pages: 5101 - 5111

Taylor kernel fuzzy C-means clustering algorithm for trust and energy-aware cluster head selection in wireless sensor networks



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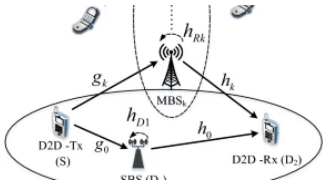
Pages: 5113 - 5132

Exact outage performance of small-cell network relying device-to-device and non-orthogonal multiple access under perfect and imperfect CSI



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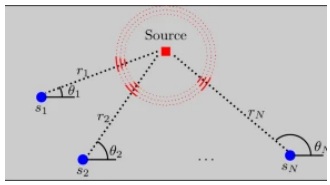
Pages: 5133 - 5149

Optimal sensor placement for source localization based on RSSD



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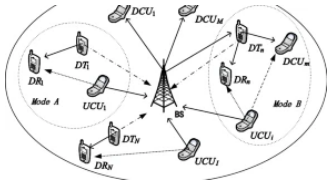
Pages: 5151 - 5162

Outage performance analysis and resource allocation algorithm for energy harvesting D2D communication system



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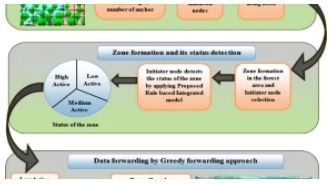
Pages: 5163 - 5176

EEFFL: energy efficient data forwarding for forest fire detection using localization technique in wireless sensor network



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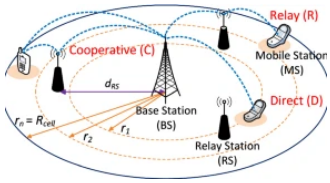
Pages: 5177 - 5205

QoS provisioning in energy-efficient cooperative networks with power assignment and relay deployment planning



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Pages: 5207 - 5222

Profiling of a large-scale municipal wireless network

Carlos Kamienski, Juliano Ratusznei ... Dave Cavalcanti

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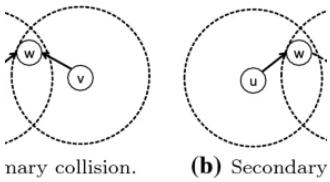
Pages: 5223 - 5253

Break-and-join tree construction for latency-aware data aggregation in wireless sensor networks



nary collision. **(b)** Secondary

Tien-Dung Nguyen, Vyacheslav Zalyubovskiy ... Hyunseung Choo

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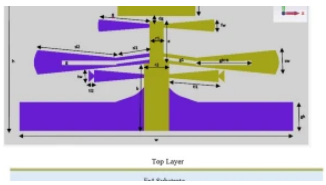
Pages: 5255 - 5269

Performance analysis of electrically coupled SRR bowtie antenna for wireless broadband communications



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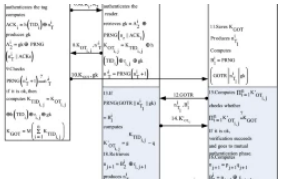
Pages: 5271 - 5283

SEOTP: a new secure and efficient ownership transfer protocol based on quadric residue and homomorphic encryption



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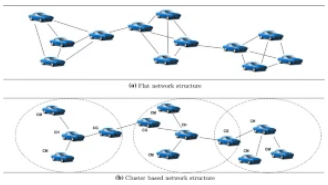
Pages: 5285 - 5306

State-of-the-art approach to clustering protocols in VANET: a survey



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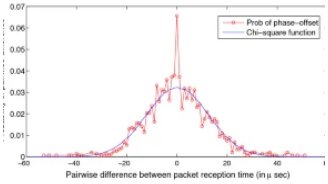
Pages: 5307 - 5336

Energy efficient multi-beacon guard method for periodic data gathering in time-synchronized WSN



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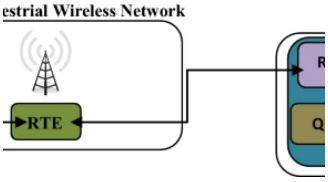
Pages: 5337 - 5354

Hybrid wireless aided volunteer computing paradigm



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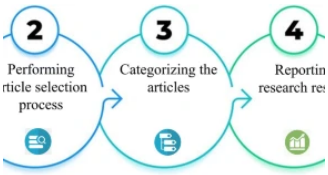
Pages: 5355 - 5369

Service discovery in the Internet of Things: review of current trends and research challenges



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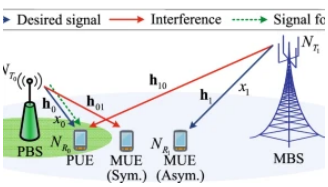

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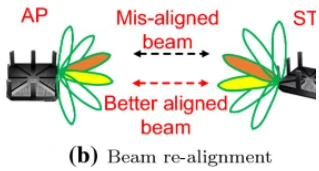

(b) Beam re-alignment

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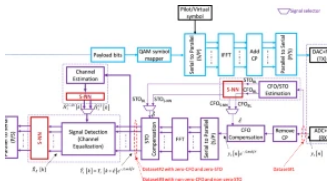

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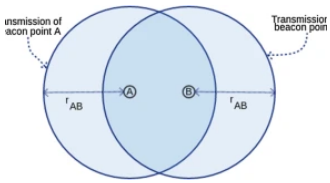

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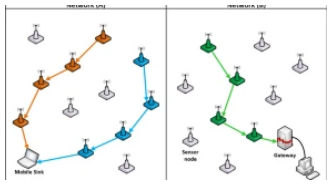

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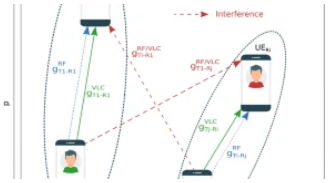

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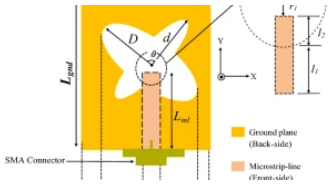

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