SPRINGER LINK

Log in

Menu

Search

Cart

# Wireless Networks

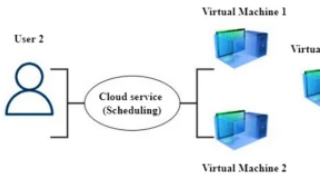
The Journal of Mobile Communication, Computation and Information



## Volume 29, issue 2, February 2023

32 articles in this issue

### Scheduling model for task loading in cloud data centres

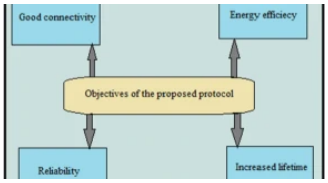



S. Deepa, K. P. Sridhar & K. B. Mythili

Original Paper | Published: 01 October 2022

Pages: 475 - 487

## QoS enhanced energy efficient cluster based routing protocol realized using stochastic modeling to increase lifetime of green wireless sensor network



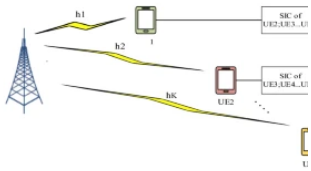

Ishita Banerjee & P. Madhumathy

Original Paper | Published: 01 October 2022 |

Pages: 489 - 507

---

## A new approach of successive interference cancellation decoder in power domain non-orthogonal multiple access transmission



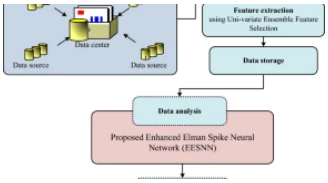

Belmien Carlos Konlack Talla, Olivier Videme Bossou ... Roger Tchuidjan

Original Paper | Published: 02 October 2022 |

Pages: 509 - 521

---

## Enhanced Elman spike neural network based fractional order discrete Tchebyshev encryption fostered big data analytical method for enhancing cloud data security



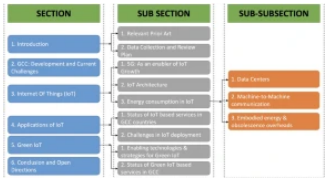

V. Balamurugan, R. Karthikeyan ... Robin Cyriac

Original Paper | Published: 03 October 2022 |

Pages: 523 - 537

---

## Towards green Internet of Things (IoT) for a sustainable future in Gulf Cooperation Council countries: current practices, challenges and future prospective



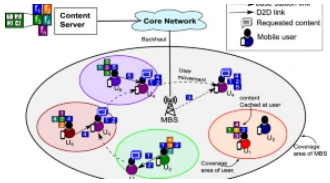

Mahmoud A. Albreem, Abdul Manan Sheikh ... Ayman A. El-Saleh

Original Paper | Published: 04 October 2022 |

Pages: 539 - 567

---

## Deep reinforcement learning mechanism for deadline-aware cache placement in device-to-device mobile edge networks



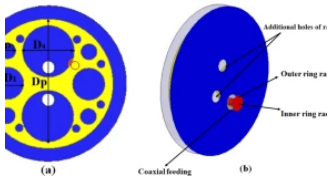

Manoj Kumar Somesula, Sai Krishna Mothku & Anusha Kotte

Original Paper | Published: 06 October 2022

Pages: 569 - 588

---

## Fractal slot loaded compact wearable button antenna for IOT and X-band applications



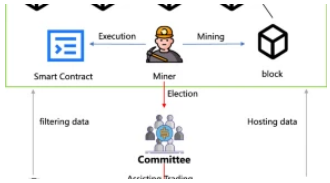

Rajib Kumar Dash, Puspendu Bikash Saha ... Gopinath Palai

Original Paper | Published: 14 October 2022

Pages: 589 - 605

---

## Concurrent and efficient IoT data trading based on probabilistic micropayments



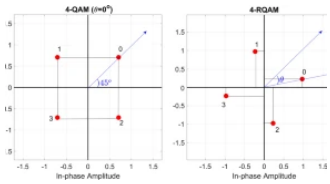

Tao Li, Anjia Yang ... Qingfu Pei

Original Paper | Published: 15 October 2022

Pages: 607 - 622

---

## A coordinate interleaved orthogonal design NOMA protocol for two cell-edge users



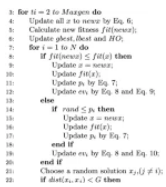

Seda Üstünbaş Gavas & Ümit Aygölü

Original Paper | Published: 18 October 2022

Pages: 623 - 636

---

## Surrogate-assisted Phasmatodea population evolution algorithm applied to wireless sensor networks



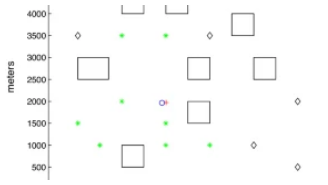
Lu-Lu Liang, Shu-Chuan Chu ... Jeng-Shyang Pan

Original Paper | Published: 19 October 2022

Pages: 637 - 655

---

## Suppression of NLOS errors in TDOA-AOA hybrid localization



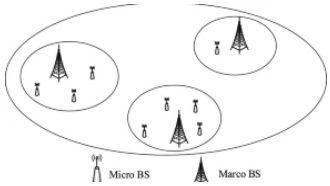

Jonghoek Kim

Original Paper | Published: 21 October 2022

Pages: 657 - 667

---

## Energy minimization by dynamic base station switching in heterogeneous cellular network



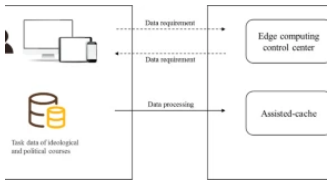

Yi Yang, Zhixin Liu ... Kit Yan Chan

Original Paper | Published: 21 October 2022

Pages: 669 - 684

---

## Intelligent education evaluation mechanism on ideology and politics with 5G: PSO-driven edge computing approach



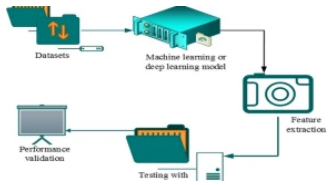

Rui Ma & Xuefeng Chen

Original Paper | Published: 21 October 2022

Pages: 685 - 696

---

## Zero shot image classification system using an optimized generalized adversarial network



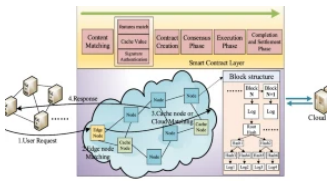

Ch Kavitha, M. Babu Rao ... K. Kranthi Kumar

Original Paper | Published: 21 October 2022

Pages: 697 - 712

---

## Multi-level caching and data verification based on ethereum blockchain



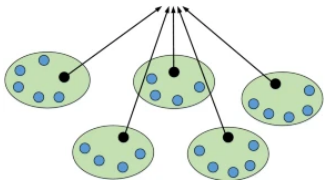
Qingzhe Zhang, Chunlin Li ... Youlong Luo

Original Paper | Published: 23 October 2022

Pages: 713 - 727

---

## Congestion avoidance with source location privacy using octopus-based dynamic routing protocol in WSN



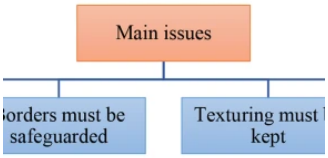
Mintu Singh & Maheshwari Prasad Singh

Original Paper | Published: 25 October 2022

Pages: 729 - 748

---

## Denoising method for terahertz signal using RBF neural network with adaptive projection learning algorithm



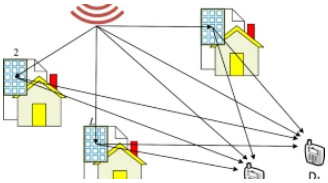

Qiang Wang, Hongbin ZHOU & Qiuhan Liu

Original Paper | Published: 29 October 2022

Pages: 749 - 759

---

## Performance analysis for multi-RIS UAV NOMA mmWave communication systems



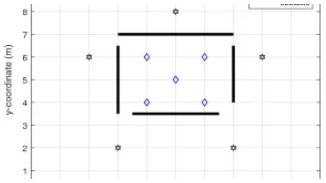
Ba Cao Nguyen, Nam Tran Xuan ... Pham Thanh Hiep

Original Paper | Published: 29 October 2022

Pages: 761 - 773

---

## Cooperative localization based on semidefinite relaxation in wireless sensor networks under non-line-of-sight propagation



Xin Tian, Guoliang Wei ... Derui Ding

Original Paper | Published: 30 October 2022

Pages: 775 - 785

---

## Achieving efficient energy-aware security in IoT networks: a survey of recent solutions and research challenges

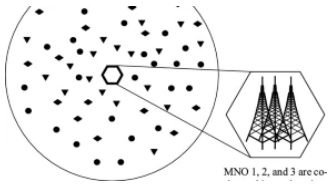
Michaël Mahamat, Ghada Jaber & Abdelmadjid Bouabdallah

Original Paper | Published: 01 November 2022 |

Pages: 787 - 808

---

## Deep reinforcement learning–based multi–channel spectrum sharing technology for next generation multi–operator cellular networks




Minsu Shin, Tahira Mahboob ... Min Young Chung

Original Paper | Published: 01 November 2022 |

Pages: 809 - 820

---

## FMGNR: fuzzy median graph for network routing applications

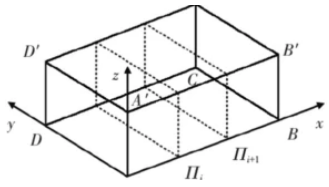
Anandhu Mohan, Vidya Sagar Thalapala ... M. V. Dhanyamol

Original Paper | Published: 01 November 2022 |

Pages: 821 - 832

---

## The global path planning for vehicular communication using ant colony algorithm in emerging wireless cloud computing



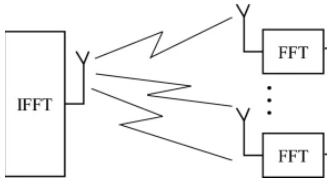

Lina Huo

Original Paper | Published: 01 November 2022 |

Pages: 833 - 842

---

## Generalized BER of MCIK-OFDM with imperfect CSI: selection combining GD versus ML receivers



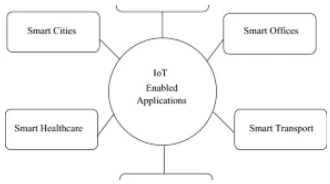

Vu-Duc Ngo, Thien Van Luong ... Xuan-Nam Tran

Original Paper | Published: 01 November 2022

Pages: 843 - 855

---

## Fairness and Applications' transport protocol aware frame aggregation using programmable WLANs



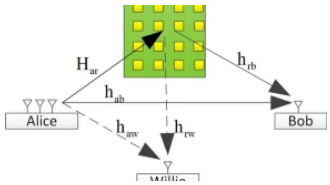

Anil Kumar Rangisetti, Rishabh Dwivedi & Sudhakar Modem

Original Paper | Published: 02 November 2022

Pages: 857 - 876

---

## Intelligent reflecting surface aided covert wireless communication exploiting deep reinforcement learning



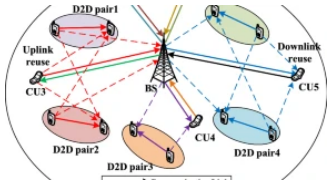

Langtao Hu, Songjiao Bi ... Chunsheng Chen

Original Paper | Published: 04 November 2022

Pages: 877 - 889

---

## Multi-agent reinforcement learning based joint uplink–downlink subcarrier assignment and power allocation for D2D underlay networks



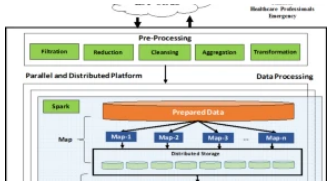

Caihong Kai, Xiaowei Meng ... Wei Huang

Original Paper | Published: 09 November 2022

Pages: 891 - 907

---

## An industrial IoT-enabled smart healthcare system using big data mining and machine learning



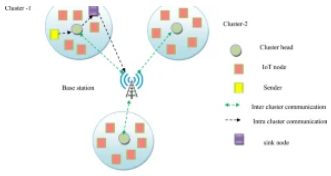

Jingfeng Zang & Pengxiang You

Original Paper | Published: 09 November 2022

Pages: 909 - 918

---

## Taylor-student psychology based optimization integrated deep learning in IoT application for plant disease classification



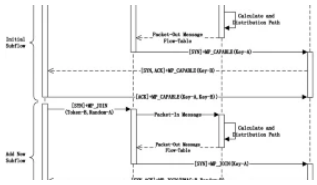
S. Vimala, T. V. Madhusudhana Rao ... Balajee Maram

Original Paper | Published: 10 November 2022 |

Pages: 919 - 939

---

## Subflow scheduling strategy for multipath transmission in SDN-based spatial network



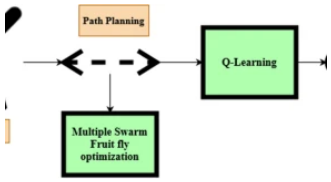
Hui Qi, Junrui Si ... Xiaoqiang Di

Original Paper | Published: 10 November 2022 |

Pages: 941 - 953

---

## UAV flight path design using multi-objective grasshopper with harmony search for cluster head selection in wireless sensor networks



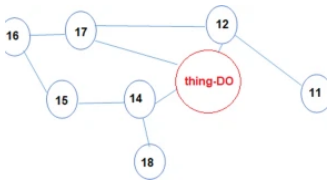

Peizhen Xing, Hui Zhang ... Meshal Shutaywi

Original Paper | Published: 14 November 2022 |

Pages: 955 - 967

---

## Securing communications between things against wormhole attacks using TOPSIS decision-making and hash-based cryptography techniques in the IoT ecosystem




Tayebeh Sahraneshin, Razieh Malekhosseini ... S. Hadi Yaghoubyan

Original Paper | Published: 15 November 2022 |

Pages: 969 - 983

## For authors

Submission guidelines

Language editing services

Ethics & disclosures

Open Access fees and funding

Contact the journal

Submit manuscript

**Working on a manuscript?**

Avoid the most common mistakes and prepare your manuscript for journal editors.

Learn more →

## Explore

Online first articles

Volumes and issues

Sign up for alerts