



# Wireless Networks

The Journal of Mobile Communication, Computation and Information

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## Volume 28, issue 8, November 2022

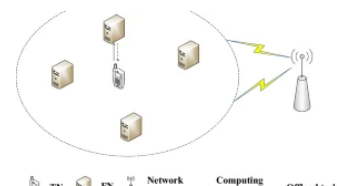
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### [Dynamic voltage scaling based energy-minimized partial task offloading in fog networks](#)

Yuancheng Qin, Yingbiao Yao ... Xin Xu

Original Paper | Published: 08 July 2022 |

Pages: 3337 - 3347

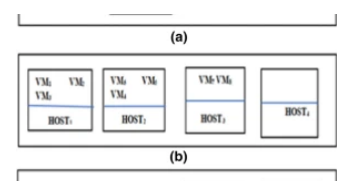


### [Energy efficient task allocation and consolidation in multicast cloud network](#)

Ashok Kumar Bhoi, Manas Ranjan Kabat ... G. Palai

Original Paper | Published: 09 July 2022 |

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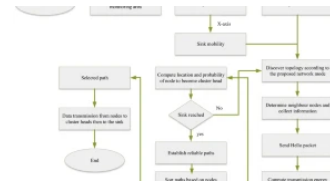


## [An energy-efficient distributed node clustering routing protocol with mobility pattern support for underwater wireless sensor networks](#)

T. R. Chenthil & P. Jesu Jayarin

Original Paper | Published: 11 July 2022 |

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## [An efficient Markov energy predictor for software defined wireless sensor networks](#)

Atefeh Rahimifar, Yousef Seifi Kaviani ... Mohammad Soroosh

Original Paper | Published: 12 July 2022 |

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## [Improved DV-Hop based on parallel and compact whale optimization algorithm for localization in wireless sensor networks](#)

Ruo-Bin Wang, Wei-Feng Wang ... Shu-Chuan Chu

Original Paper | Published: 13 July 2022 |

Pages: 3411 - 3428

**Requires:** Parameters:  $d$ ,  $ub$ ,  $lb$  and  $N$ .  
**Ensures:** Global optimum best and its fitness value  $f_{min}$ .  
1: **for**  $i = 1 \rightarrow d$  **do**  
2:   initialize  $\mu = 0, \sigma = \lambda, \lambda = 10$ ;  
3: **end for**  
4: initialize  $best = ub, f_{min} = inf$ ;  
5: **while**  $i < Max\_iteration$  **do**  
6:   Get  $x_1$  from PV via equations (12),(13);  
7:   Update  $x_1$  to get  $x_2$  via equation (1);  
8:   [ $winner, loser$ ] = compute( $x_1, x_2$ );  
9:   **for**  $i = 1 \rightarrow d$  **do**  
10:     Update PV via equations (10),(11);  
11:     **if**  $f_{winner} < f_{min}$  **then**  
12:        $best = winner; f_{min} = f_{winner}$ ;  
13:     **end if**  
14:   **end for**

## [Correction to: Improved DV-Hop based on parallel and compact whale optimization algorithm for localization in wireless sensor networks](#)

Ruo-Bin Wang, Wei-Feng Wang ... Shu-Chuan Chu

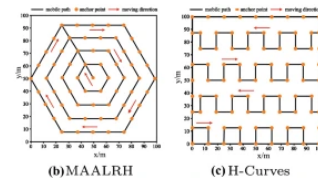
Correction | Published: 20 August 2022 | Pages: 3429 - 3429

## [DR-NET: a novel mobile anchor-assisted localization method based on the density of nodes distribution](#)

Guo Wei, Xiangyang Luo ... Wenyan Liu

Original Paper | Published: 18 July 2022 |

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## [Benchmarking of lightweight cryptographic algorithms for wireless IoT networks](#)

Soline Blanc, Abdelkader Lahmadi ... Lama Sleem

Original Paper | Published: 22 July 2022 |

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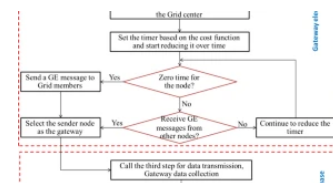


## [EEGBRP: an energy-efficient grid-based routing protocol for underwater wireless sensor networks](#)

Hamed Noorbakhsh & Mohammadreza Soltanaghaei

Original Paper | Published: 22 July 2022 |

Pages: 3477 - 3491

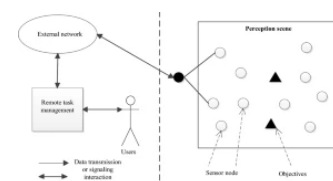


## [An identity-based encryption online/offline \(IBOOE\) algorithm for securing wireless sensor networks](#)

Na Yang

Original Paper | Published: 23 July 2022 |

Pages: 3493 - 3502

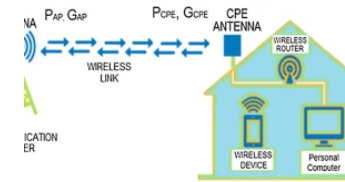


## [Machine learning-based approaches for user association and access point selection in heterogeneous fixed wireless networks](#)

Zayan El Khaled, Hamid Mcheick & Wessam Ajib

Original Paper | Published: 23 July 2022 |

Pages: 3503 - 3524



## [Fading-ratio-based selection for massive MIMO systems under line-of-sight propagation](#)

Rafael S. Chaves, Ediz Cetin ... Wallace A. Martins

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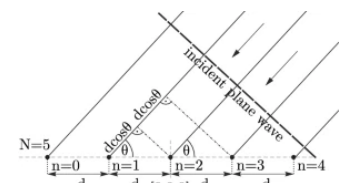


## [Angle of arrival estimation in a multi-antenna software defined radio system: impact of hardware and radio environment](#)

Marcin Wachowiak & Pawel Kryszkiewicz

Original Paper | [Open Access](#) |

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## [Design of an adaptive CRSN using OFDM](#)

Ravishankar Kandasamy & G. Ravi

Original Paper | Published: 28 July 2022 |

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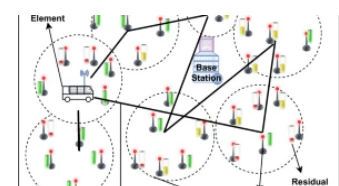


## [Joint mobile wireless energy transmitter and data collector for rechargeable wireless sensor networks](#)

D Prasannababu & Tarachand Amgoth

Original Paper | Published: 03 August 2022 |

Pages: 3563 - 3576



```

graph TD
    A[Forest fire prediction using ENNISSA] --> B[Predict the status of forest fire]
    B --> C[Considers oddity, temperature, heat sources positions & pressure]
    C --> D[Predict higher zone forest fire]
    D --> E[Efficient and fast data transmission]
  
```

Original Paper | Published: 04 August 2022

# FEELS: fuzzy based energy efficient and low SAR routing protocol for wireless body area networks

```

graph LR
    A[Instrumentation Amplifier] --> B[ADC]
    B --> C[Microcontroller]
    C --> D[Flash Memory]
    E[Power Module] --> C

```

Original Paper | Published: 05 August 2022

## Buffer transference strategy for power control in B5G-ultra-dense wireless cellular networks

Original Paper | Published: 06 August 2022

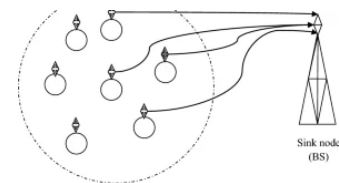
## Exploiting effects of imperfect-CSI and SIC, and intercell interference on the outage performance of NOMA over $\kappa - \mu$ , $\alpha - \kappa - \mu$ shadowed faded channels

Original Paper | Published: 07 August 2022

## Adaptive processing in overlay networks for performance improvement

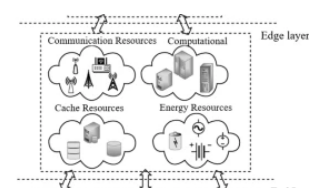
### [Co-operative beam forming selection with energy balanced operation for wireless sensor network](#)

K. Immanuvel Arokia James, R. Prabakaran ... R. R. Prianka



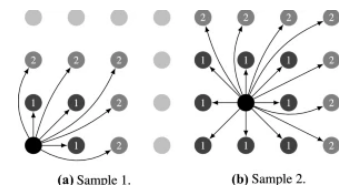
### [Analysis of wireless communication networks under edge computing scenarios](#)

Jianhang Wang



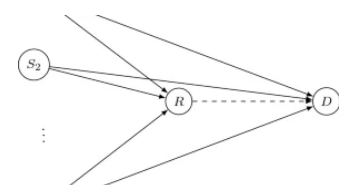
### [Memetic algorithm applied to topology control optimization of a wireless sensor network](#)

Jorge A. G. de Brito, Diego R. M. Totte ... Laura S. de Assis



### [Diversity analysis of ML and ZF detectors in physical layer network coding relay system over frequency selective channels](#)

Fatemeh Bahadori, Mostafa Derakhtian & Ali Jamshidi

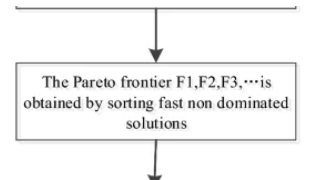


## [Optimal allocation of material dispatch in emergency events using multi-objective constraint for vehicular networks](#)

Chen Liu & Yuhao Qian

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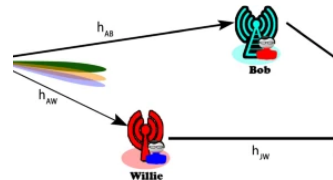


## [Covert communication based on energy harvesting and cooperative jamming](#)

Seyedeh Fatemeh Azerang, Farid Samsami Khodadad & Moslem Forouzesh

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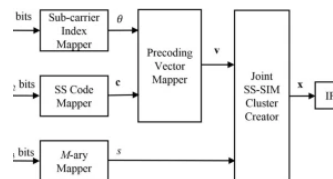


## [Enhancing diversity of OFDM with joint spread spectrum and subcarrier index modulations](#)

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

Original Paper | Published: 16 August 2022 |

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## [A PUF-based anonymous authentication protocol for wireless medical sensor networks](#)

Xiaowei Shao, Yajun Guo & Yimin Guo

Original Paper | Published: 16 August 2022 |

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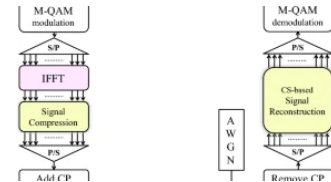


## [Performance improvement of OFDM systems using compressive sensing with group LASSO signal reconstruction algorithm](#)

Ghanbar Azarnia & Abbas Ali Sharifi

Original Paper | Published: 17 August 2022 |

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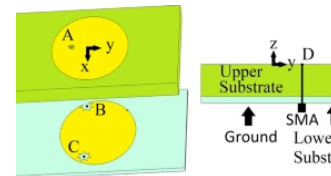


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Ahmad Abdalrazik, Ahmed Gomaa & Ahmed A. Kishk

Original Paper | [Open Access](#) |

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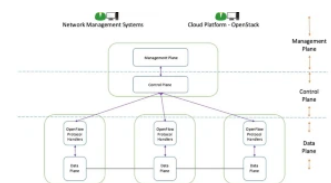


## [Performance evaluation of Software-Defined Network \(SDN\) controllers using Dijkstra's algorithm](#)

Yinjun Zhang & Mengji Chen

Original Paper | Published: 20 August 2022 |

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## [Retraction Note to: Throughput maximization of multichannel allocation mechanism under interference constraint for hybrid overlay/underlay cognitive radio networks with energy harvesting](#)

Hakan Murat Karaca

Retraction Note | Published: 04 October 2021 | Pages: 3801 - 3801



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