Wireless Networks

The Journal of Mobile Communication, Computation and Information

Volume 29, issue 4, May 2023

Special issue on Deep learning to mobile hypermedia and multimedia

Issue editors

Xiaoxian Yang & Li Kuang

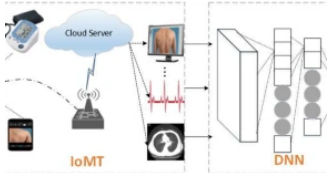
32 articles in this issue

Deep learning to mobile hypermedia and multimedia

Xiaoxian Yang & Li Kuang

Guest Editorial | Published: 02 February 2022 | Pages: 1505 - 1506

Boosting and rectifying few-shot learning prototype network for skin lesion classification based on the internet of medical things

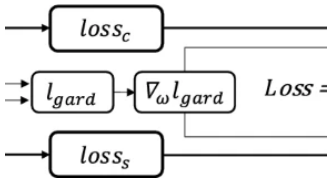


Junsheng Xiao, Huahu Xu ... HongHao Gao

OriginalPaper | Published: 14 August 2021

Pages: 1507 - 1521

TkTC: A framework for top-*k* text classification of multimedia computing in wireless networks

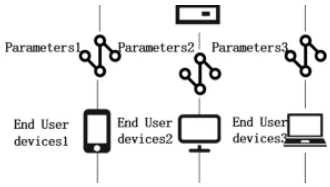


Kai Wang, Yuqi Liu ... Jing Fan

OriginalPaper | Published: 19 January 2022

Pages: 1523 - 1534

Privacy-preserving federated learning framework in multimedia courses recommendation

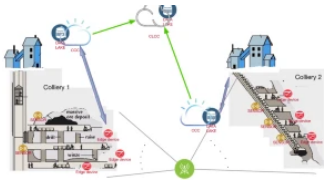


YangJie Qin, Ming Li & Jia Zhu

OriginalPaper | Published: 04 January 2022

Pages: 1535 - 1544

A novel edge computing architecture for intelligent coal mining system

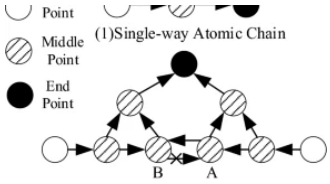


Zhe Bing, Xing Wang ... Tao He

OriginalPaper | Published: 04 January 2022

Pages: 1545 - 1554

CCP-federated deep learning based on user trust chain in social IoV

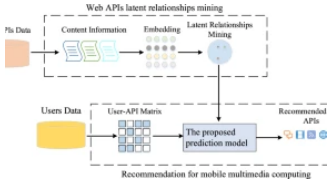


Peng-Cheng Zhao, Yuan-Hao Huang ... Jian-Ping Gao

OriginalPaper | Published: 04 January 2022

Pages: 1555 - 1566

Web APIs recommendation with neural content embedding for mobile multimedia computing

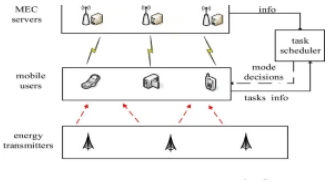


Yueshen Xu, Yunpeng Ding ... Shaoyuan Zhang

OriginalPaper | Published: 21 December 2022 |

Pages: 1567 - 1576

Optimizing computation offloading under heterogeneous delay requirements for wireless powered mobile edge computing



Zheng Wan, Xiaogang Dong & Changshou Deng

Original Paper | Published: 08 August 2022 |

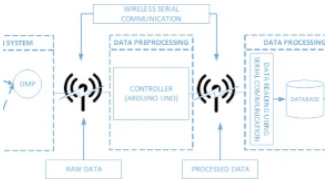
Pages: 1577 - 1607

Correction to: Optimizing computation offloading under heterogeneous delay requirements for wireless powered mobile edge computing

Zheng Wan, Xiaogang Dong & Changshou Deng

Correction | Published: 14 December 2022 | Pages: 1609 - 1610

Analysis of aerobic training posture using machine vision for body area networks

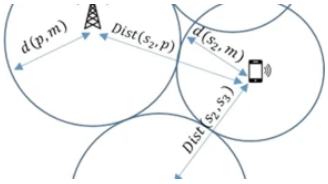


Tiantian Cao

Original Paper | Published: 21 December 2022 |

Pages: 1611 - 1620

An optimized spectrum sharing scheme for cognitive radio

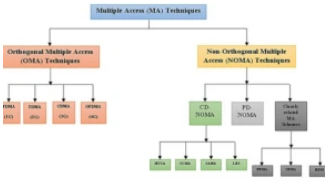


Mehdi Askari & Rezvan Dastanian

Original Paper | Published: 26 December 2022 |

Pages: 1621 - 1627

NOMA for 5G and beyond: literature review and novel trends



Mohammed Abd-Elnaby, Germien G. Sedhom ... Mohamed Elwekeil

Original Paper | Published: 24 November 2022

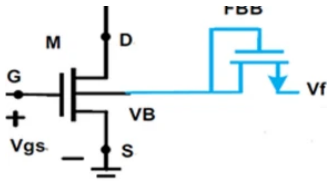
Pages: 1629 - 1653

Correction to: NOMA for 5G and beyond: literature review and novel trends

Mohammed Abd-Elnaby, Germien G. Sedhom ... Mohamed Elwekeil

Correction | Published: 28 December 2022 | Pages: 1655 - 1655

An ultra-wide band IIP3 of 38.2 dBm and conversion gain of 17.95 dB down conversion Gilbert mixer for 5G internet of things applications

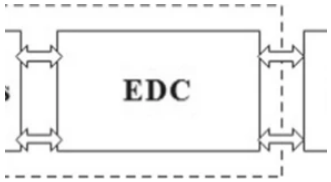


Devarshi Shukla, Santosh Kumar Gupta ... Rajeev Tripathi

Original Paper | Published: 28 December 2022

Pages: 1657 - 1669

Secure and novel authentication model for protecting data centers in fog environment

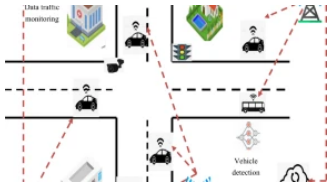


P. C. Senthil Mahesh & K. Muthumanickam

Original Paper | Published: 30 December 2022

Pages: 1671 - 1683

Intelligent energy efficient vehicle automation system with sensible edge processing protocol in Internet of Vehicles using hybrid optimization strategy

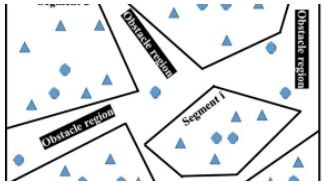


J. Deepa, S. Ahamed Ali & S. Hemamalini

Original Paper | Published: 02 January 2023

Pages: 1685 - 1701

Obstacle-aware connectivity restoration for the partitioned wireless sensor networks using mobile data carriers

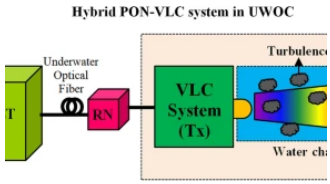


G. Rajeswari, M. K. Sandhya & K. Murugan

Original Paper | Published: 03 January 2023

Pages: 1703 - 1720

Performance analysis of high speed hybrid PON-VLC for long-reach land-to-underwater applications

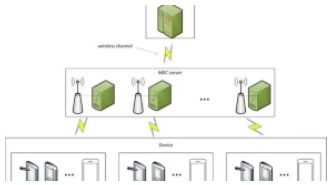


Meet Kumari

Original Paper | Published: 03 January 2023

Pages: 1721 - 1735

Mobile edge computing offloading scheme based on improved multi-objective immune cloning algorithm

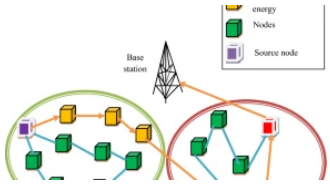


Si-feng Zhu, Jiang-hao Cai & En-lin Sun

Original Paper | Published: 04 January 2023

Pages: 1737 - 1750

Deep residual network-based data streaming approach for soil type application under IoT-based big data environment

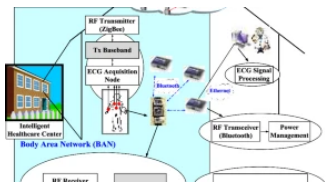


D. Kishore Babu, C. Ravindra Raman & D. Venkata Divakara Rao

Original Paper | Published: 04 January 2023

Pages: 1751 - 1769

Implementation of iterative error detection and correction for BAN transceiver systems

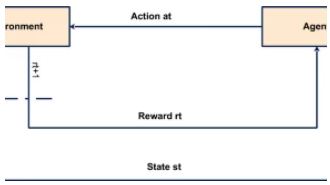


Kuang-Hao Lin & Fu-Chi Chen

Original Paper | Published: 05 January 2023

Pages: 1771 - 1786

Multiple agent based reinforcement learning for energy efficient routing in WSN

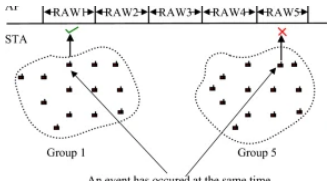


D. Prabhu, R. Alageswaran & S. Miruna Joe Amali

Original Paper | Published: 17 January 2023 |

Pages: 1787 - 1797

A QoS-aware scheduling with node grouping for IEEE 802.11ah

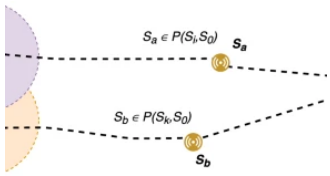


Nurzaman Ahmed & Md. Iftekhar Hussain

Original Paper | Published: 28 January 2023 |

Pages: 1799 - 1814

Target-aware distributed coverage and connectivity algorithm for wireless sensor networks

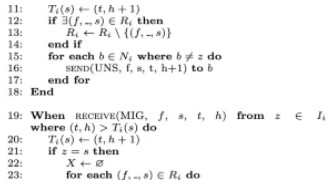


Sanjai Prasada Rao Banoth, Praveen Kumar Donta & Tarachand Amgoth

OriginalPaper | Published: 02 February 2023 |

Pages: 1815 - 1830

Using publish/subscribe for message routing in mobile environments



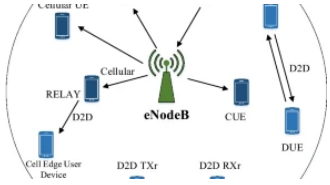
```
11:     T_i(s) ← (t, h + 1)
12:     if ∃(f, _, s) ∈ R_i then
13:         R_i ← R_i \ {(f, _, s)}
14:     end if
15:     for each b ∈ N_i where b ≠ z do
16:         SEND(UNS, f, s, t, h+1) to b
17:     end for
18: End

19: When RECEIVE(MIG, f, s, t, h) from z ∈ I_i
    where (t, h) > T_i(s) do
20:     T_i(s) ← (t, h + 1)
21:     if z = s then
22:         X ← ∅
23:         for each (f, _, s) ∈ R_i do
```

Ugaitz Amozarrain & Mikel Larrea

Original Paper | Open Access |

Published: 03 February 2023 | Pages: 1831 - 1842

Reinforcement learning based distributed resource allocation technique in device-to-device (D2D) communication

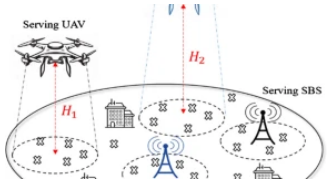


Steffi Jayakumar & S. Nandakumar

Original Paper | Published: 07 February 2023 |

Pages: 1843 - 1858

Performance analysis of UAV multiple antenna-assisted small cell network with clustered users

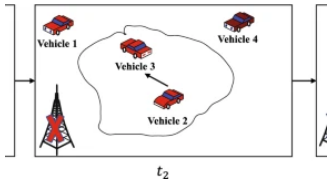


Mohamed Amine Ouamri, Daljeet Singh ... Xingwang Li

OriginalPaper | Published: 08 February 2023 |

Pages: 1859 - 1872

Vehicular delay tolerant network routing algorithm based on trajectory clustering and dynamic Bayesian network

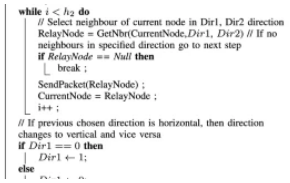


Jiagao Wu, Shenlei Cai ... Linfeng Liu

OriginalPaper | Published: 09 February 2023 |

Pages: 1873 - 1889

Source location privacy in wireless sensor networks: What is the right choice of privacy metric?

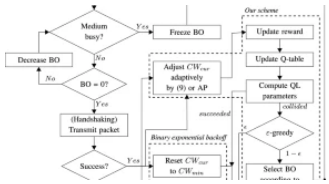


Tejodbhav Koduru & R. Manjula

OriginalPaper | Published: 11 February 2023 |

Pages: 1891 - 1898

An adaptive backoff selection scheme based on Q-learning for CSMA/CA

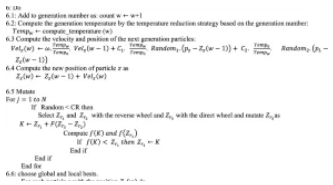


Zhichao Zheng, Shengming Jiang ... Chongchong Gu

OriginalPaper | Published: 13 February 2023 |

Pages: 1899 - 1909

Sensor node localization with improved hop-size using PSODESA optimization



Maheshwari Niranjan, Swechchha Gupta & Buddha Singh

OriginalPaper | Published: 14 February 2023

Pages: 1911 - 1934

Correction to: Trust-based energy-aware routing using GEOSR protocol for Ad-Hoc sensor networks

Ranjit Kumar, Sachin Tripathi & Rajeev Agrawal

Correction | Published: 29 November 2022 | Pages: 1935 - 1935

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