SPRINGER LINK

Log in

Menu | Search | Cart

Wireless Networks

The Journal of Mobile Communication, Computation and Information

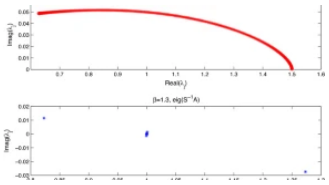
Volume 27, issue 6, August 2021

Special Issue on Caching for Wireless Communication Systems and Networks (pp. 4217-4292) and Special Issue on Internet of Things for Smart Living (pp. 4293-4342)

Issue editors

Boon Chong Seet, Michael Chai, Peter Han Joo Chong, Al-Sakib Khan Pathan, Zubair Md. Fadlullah, Salimur Choudhury & Guerroumi Mohamed

42 articles in this issue



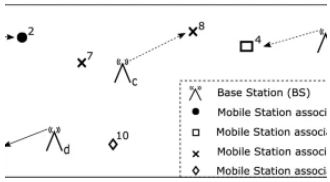
Preconditioned method for the nonlinear complex Ginzburg–Landau equations

Lei Chen, Lu Zhang & Wenyu Zhou

Original Paper | Published: 23 June 2021

Pages: 3701 - 3708

Achieving arbitrary throughput-fairness trade-offs in the inter cell interference coordination with fixed transmit power problem

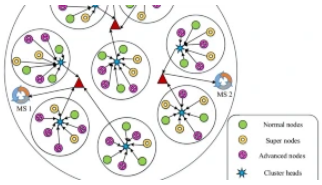


Vaibhav Kumar Gupta & Gaurav S. Kasbekar

Original Paper | Published: 10 July 2021 |

Pages: 3709 - 3731

Energy efficient rendezvous points based routing technique using multiple mobile sink in heterogeneous wireless sensor networks



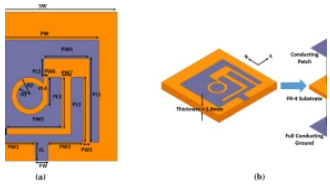
Preeti Gupta, Sachin Tripathi & Samayveer Singh

Original Paper | Published: 22 July 2021 |

Pages: 3733 - 3746

---

4 Element compact triple band MIMO antenna for sub-6 GHz 5G wireless applications

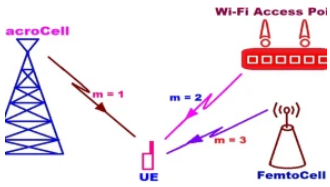


R. Krishnamoorthy, Arpan Desai ... Amit Grover

Original Paper | Published: 30 July 2021 |

Pages: 3747 - 3759

Efficient allotment of resources in heterogeneous communication

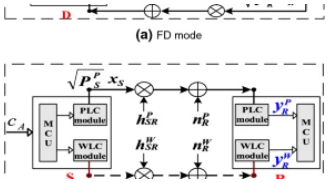


Kalpana Naidu & Akshara Parchuri

OriginalPaper | Published: 22 June 2021 |

Pages: 3761 - 3783

Adaptive relay strategy selection based on Q-learning for power line and wireless dual-media communication with hybrid duplex

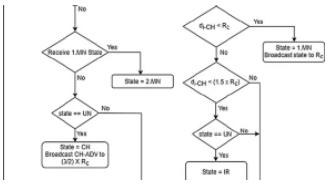


Zhixiong Chen, Honghai Zeng ... Yincheng Qi

Original Paper | Published: 18 June 2021

Pages: 3785 - 3796

Multihop routing with static and distributed clustering in WSNs

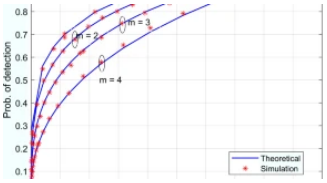


İpek Abasıkeleş-Turgut

Original Paper | Published: 17 June 2021

Pages: 3797 - 3809

Performance analysis of cooperative spectrum sensing in composite lognormal-Hoyt fading channel

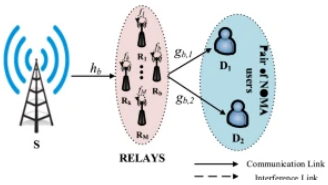


P. Shachi, K. R. Sudhindra & M. N. Suma

Original Paper | Published: 03 July 2021

Pages: 3811 - 3825

New look on relay selection strategies for full-duplex multiple-relay NOMA over Nakagami-*m* fading channels

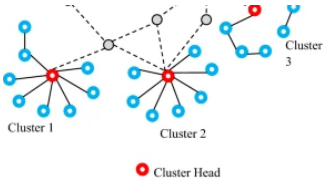


Tu-Trinh Thi Nguyen, Dinh-Thuan Do ... Md Arafatur Rahman

Original Paper | Published: 07 July 2021

Pages: 3827 - 3843

A misdirected route avoidance using random waypoint mobility model in wireless sensor network

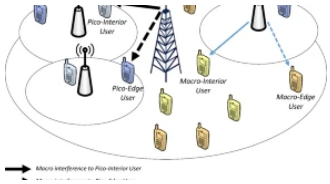


P. Vijayalakshmi, K. Selvi ... K. Muthumanickam

Original Paper | Published: 15 July 2021

Pages: 3845 - 3856

Design and analysis of energy efficient inter-tier interference coordination in heterogeneous networks

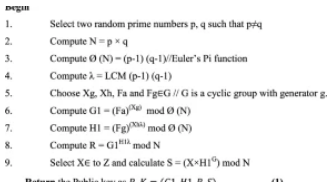


Can Altay & Mutlu Koca

Original Paper | Published: 29 June 2021

Pages: 3857 - 3872

Energy efficient secured K means based unequal fuzzy clustering algorithm for efficient reprogramming in wireless sensor networks

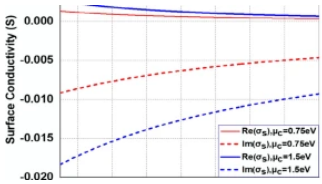


S. V. N. Santhosh Kumar, Yogesh Palanichamy ... Sankar Pariserum Perumal

Original Paper | Published: 13 June 2021

Pages: 3873 - 3894

Enhancing the isolation between the strips of dipoles antenna at terahertz frequency with cuboid-shaped graphene layer

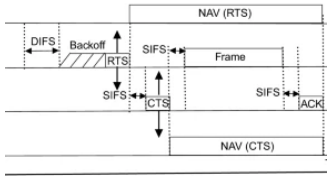


Abhay Kumar Singh & Paras

Original Paper | Published: 15 June 2021

Pages: 3895 - 3902

Enhancing the CSMA/CA of IEEE 802.15.4 for better coexistence with IEEE 802.11

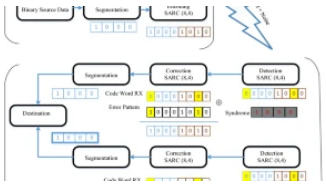


Ali Mamadou Mamadou & Gerard Chalhoub

Original Paper | Published: 09 July 2021

Pages: 3903 - 3914

SARC: Search and rescue optimization-based coding scheme for channel fault tolerance in wireless networks

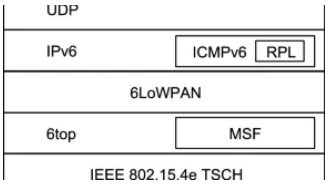


S. Sreethar, N. Nandhagopal ... M. Dharmalingam

Original Paper | Published: 18 July 2021 |

Pages: 3915 - 3926

Selfishness in secure internet of things networks: 6TiSCH case study

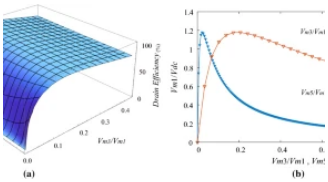


Yassine Boufenneche, Rafik Zitouni ... Nawel Gharbi

Original Paper | Published: 15 July 2021 |

Pages: 3927 - 3946

A novel design methodology for extended continuous class-F power amplifiers in wireless applications

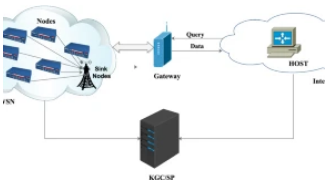


Sepehr Zarghami, Mohsen Hayati ... Hiroo Sekiya

Original Paper | Published: 29 July 2021 |

Pages: 3947 - 3968

ELDA: an efficient and low-cost protocol for data authentication for IoT

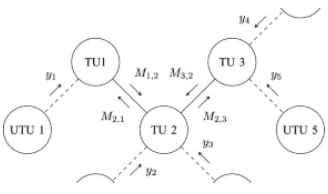


Jayaprakash Kar

Original Paper | Published: 31 July 2021 |

Pages: 3969 - 3978

Secure spectrum sensing in relay-based cognitive radio networks

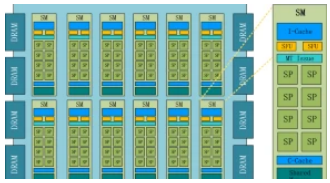


Arun Sivakumaran, B. T. Maharaj & Attahiru S. Alfa

Original Paper | Published: 12 June 2021 |

Pages: 3979 - 3994

A dynamic acceleration method for remote sensing image processing based on CUDA

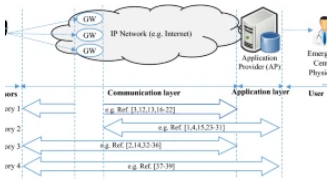


Xianyu Zuo, Zhe Zhang ... Yunzhou Zhang

Original Paper | Published: 24 July 2021 |

Pages: 3995 - 4007

End-to-end privacy preserving scheme for IoT-based healthcare systems

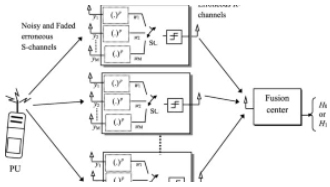


Maryam Nasr Esfahani, Behrouz Shahgholi Ghahfarokhi & Shahram Etemadi Borujeni

Original Paper | Published: 24 June 2021 |

Pages: 4009 - 4037

Throughput performance of cooperative spectrum sensing network with improved energy detectors and SC diversity over fading channels

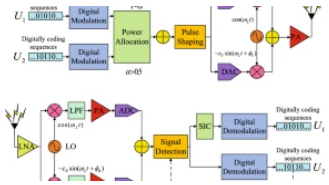


Srinivas Nallagonda, Abhijit Bhowmick & Binod Prasad

Original Paper | Published: 22 July 2021 |

Pages: 4039 - 4050

Joint impact of CEE and IQI on NOMA with full-duplex relaying system

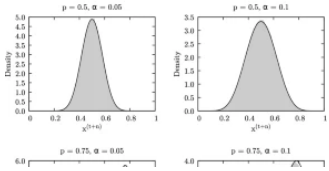


Kai Yang, Xiao Yan ... Kaiyu Qin

Original Paper | Published: 29 July 2021 |

Pages: 4051 - 4064

Modeling the performance of the link quality hypothesis test estimator mechanism in wireless networks

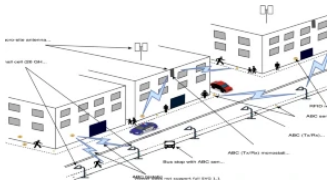


Diego Passos, Fernanda G. O. Passos ... Célio Albuquerque

Original Paper | Published: 26 July 2021 |

Pages: 4065 - 4081

Assessment of 5G as an ambient signal for outdoor backscattering communications

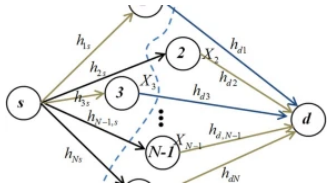


Ritayan Biswas & Jukka Lempiäinen

Original Paper | Open Access |

Published: 04 August 2021 | Pages: 4083 - 4094

A modified GADIA-based upper-bound to the capacity of Gaussian general *N*-relay networks

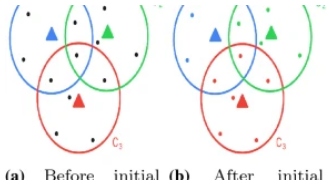


Zekeriya Uykan & Riku Jäntti

Original Paper | Open Access |

Published: 04 August 2021 | Pages: 4095 - 4110

Firework inspired load balancing approach for wireless sensor networks

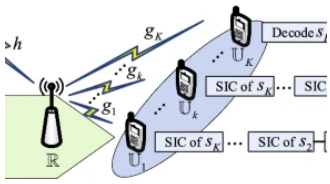


Ravi Kumar Prasad, Santanoo Madhu ... Damodar Reddy Edla

Original Paper | Published: 29 July 2021 |

Pages: 4111 - 4122

Spectral-efficiency optimization for NOMA-based amplify-and-forward cooperative relaying systems with beamforming and power allocation

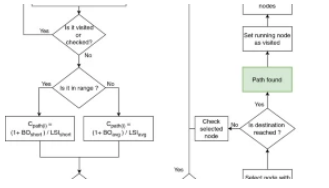


Kai Yang, Xiao Yan ... Kaiyu Qin

Original Paper | Published: 31 July 2021 |

Pages: 4123 - 4132

Buffer occupancy and link state opportunistic routing for wireless mesh networks

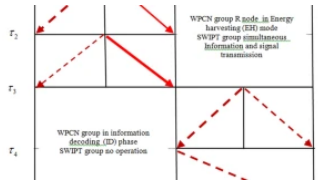


Jean-Baptiste Bordier, Christopher Merlhe ... Cédric Gueguen

Original Paper | Published: 03 August 2021

Pages: 4133 - 4150

Wireless powered communication network optimization using PSO-CS algorithm

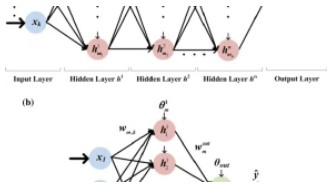


Shweta Singh, Debjani Mitra & R. K. Baghel

Original Paper | Published: 18 June 2021

Pages: 4151 - 4167

Performance evaluation of machine learning methods for path loss prediction in rural environment at 3.7 GHz

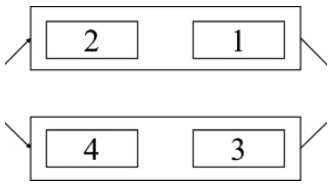


Nektarios Moraitis, Lefteris Tsipi ... Spyridon Louvros

Original Paper | Published: 18 June 2021

Pages: 4169 - 4188

Reduce delay of multipath TCP in IoT networks



Mohammed Aljubayri, Tong Peng & Mohammad Shikh-Bahaei

Original Paper | Open Access

Published: 12 July 2021 | Pages: 4189 - 4198

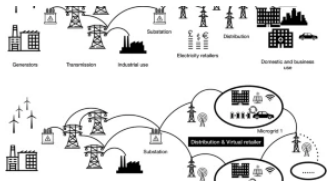
ZAO-AKA : a zero knowledge proof chaotic authentication and key agreement scheme for securing smart city cyber physical system

Wided Boubakri, Walid Abdallah & Noureddine Boudriga

Original Paper | Published: 29 July 2021

Pages: 4199 - 4215

Peer-to-peer electricity trading system: smart contracts based proof-of-benefit consensus protocol

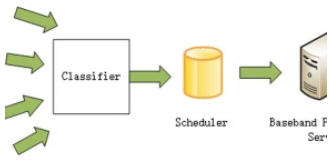


Chao Liu, Kok Keong Chai ... Yue Chen

OriginalPaper | Open Access

Published: 13 February 2019 | Pages: 4217 - 4228

Computing aware scheduling in mobile edge computing system

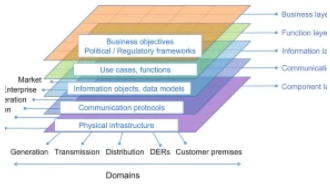


Ke Wang, XiaoYi Yu ... Xin Liu

BriefCommunication | Published: 01 January 2019

Pages: 4229 - 4245

The fifth archetype of electricity market: the blockchain marketplace

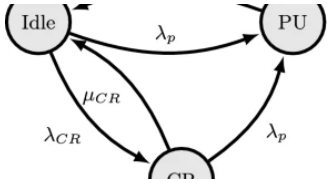


Yueqiang Xu, Petri Ahokangas ... Timo Koivumäki

OriginalPaper | Open Access

Published: 03 July 2019 | Pages: 4247 - 4263

CCH: a clique based asymmetric rendezvous scheme for cognitive radio ad-hoc networks

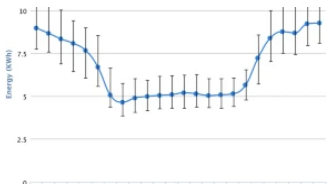


Md Akbar Hossain & Nurul I. Sarkar

BriefCommunication | Published: 01 February 2019

Pages: 4265 - 4274

Detecting anomalous energy consumption using contextual analysis of smart meter data



Ankur Sial, Amarjeet Singh & Aniket Mahanti

OriginalPaper | Published: 03 July 2019

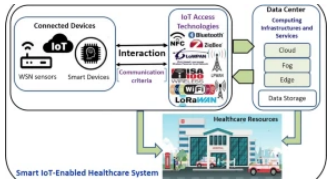
Pages: 4275 - 4292

Internet of Things for smart living

Al-Sakib Khan Pathan, Zubair Md. Fadlullah ... Mohamed Guerroumi

EditorialNotes | Published: 04 March 2019 | Pages: 4293 - 4295

Smart integrated IoT healthcare system for cancer care

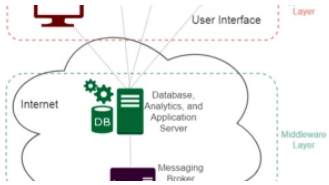


Adeniyi Onasanya & Maher Elshakankiri

OriginalPaper | Published: 02 January 2019 |

Pages: 4297 - 4312

Using IoT and smart monitoring devices to optimize the efficiency of large-scale distributed solar farms

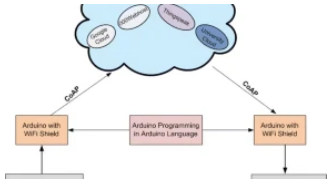


Salsabeel Shapsough, Mohannad Takrouri ... Imran A. Zualkernan

OriginalPaper | Published: 19 December 2018 |

Pages: 4313 - 4329

A framework for harmonizing internet of things (IoT) in cloud: analyses and implementation



Md. Motaharul Islam, Zaheer Khan & Yazed Alsaawy

OriginalPaper | Published: 04 February 2019 |

Pages: 4331 - 4342

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