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Wireless Networks

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Volume 26, issue 3, April 2020

Special Issue: Intelligent Resource Management for 5G

Issue editors

Zhi Liu, Qiang Liu, Ryan Shea, Wei Cai, Zehua Wang & Yongyi Ran

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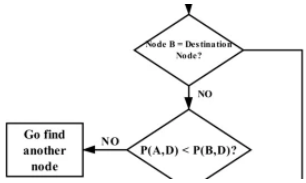
Intelligent resource management for 5G

Zhi Liu, Qiang Liu ... Yongyi Ran

Guest Editorial | Published: 11 February 2020 | Pages: 1535 - 1536

A VDTN scheme with enhanced buffer management

Zhaoyang Du, Celimuge Wu ... Yusheng Ji



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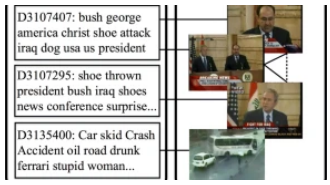
Enabling 5G: sentimental image dominant graph topic model for cross-modality topic detection



Jiayi Sun, Liang Li ... Chenggang Yan

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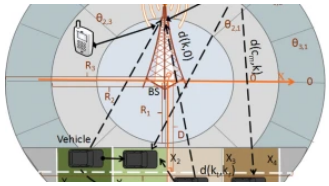
Location-partition-based channel allocation and power control methods for C-V2X communication networks



Ping Wang, Meiyan Wu ... Aiwei Yin

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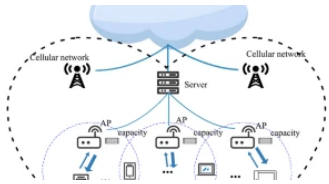
Increasing network throughput based on dynamic caching policy at wireless access points



Jianji Ren, Tingting Hou ... Xiaohong Zhang

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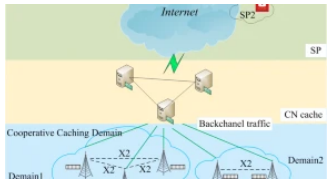

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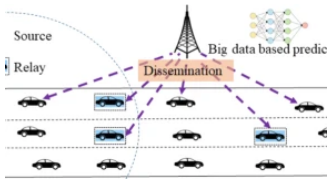

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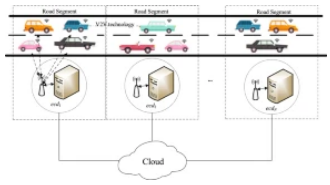
Multi-objective computation offloading for Internet of Vehicles in cloud-edge computing



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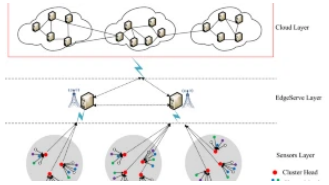
A lightweight heterogeneous network clustering algorithm based on edge computing for 5G



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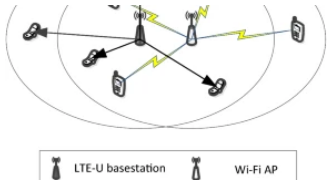
Research on unlicensed spectrum access mechanism based on reinforcement learning in LAA/WLAN coexisting network



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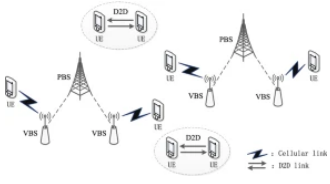
Joint mode selection, VBS association and resource allocation for WNV-enabled cellular D2D communication networks



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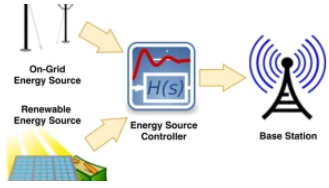
Reducing the total cost of ownership in radio access networks by using renewable energy resources



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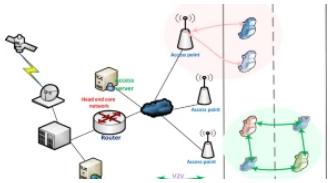

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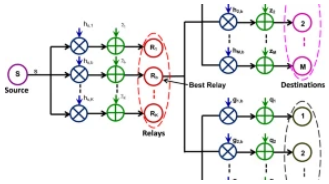
Secure wireless multicasting through AF-cooperative networks with best-relay selection over generalized fading channels



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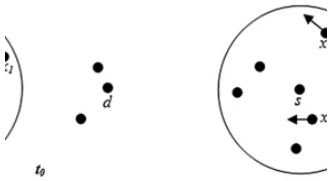
Intertwined localization and error-resilient geographic routing for mobile wireless sensor networks



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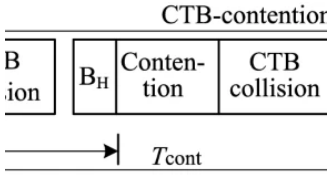

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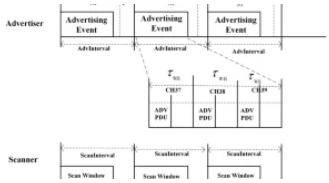
Neighbor discovery latency in bluetooth low energy networks



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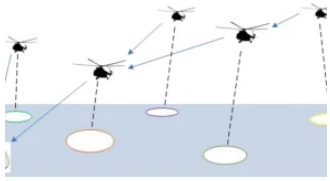
Nash network formation among unmanned aerial vehicles



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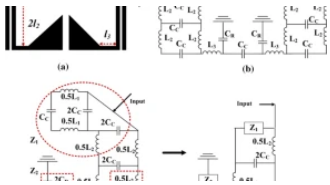
Miniaturized microstrip diplexer with high performance using a novel structure for wireless L-band applications



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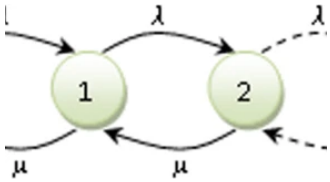
CARTEE: congestion avoidance with reliable transport and energy efficiency for multimedia applications in wireless sensor networks



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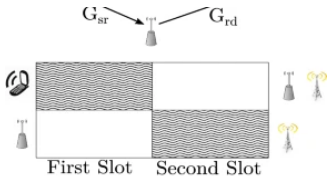
Optimum transmission policies for two hop transmission assisted by renewable energy powered amplify-and-forward relay



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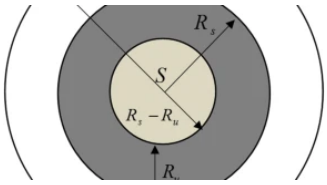
A distributed energy-efficient approach for hole repair in wireless sensor networks



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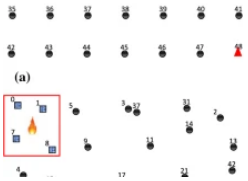
A novel approach of WSN routing protocols comparison for forest fire detection



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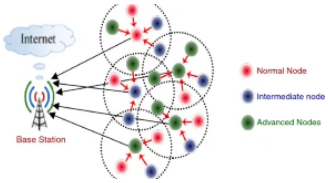
An information entropy based-clustering algorithm for heterogeneous wireless sensor networks



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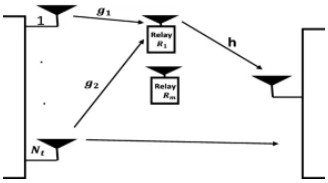
Impact of symmetric and asymmetric fading channels on dual-hop AF relay system with SSK modulation



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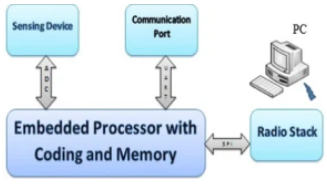
A design and implementation of polling TDMA with a comparative analysis with time division multiple access for sporting application



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An adaptive heuristic for managing energy consumption and overloaded hosts in a cloud data center

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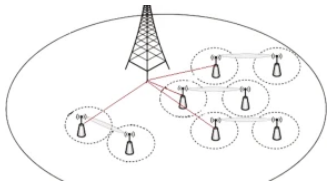
On the DoF and secure DoF of *K*-user MIMO interference channel with instantaneous relays



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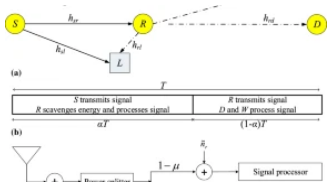
Eavesdropping-decoding compromise in spectrum sharing paradigm with ES-capable AF relay



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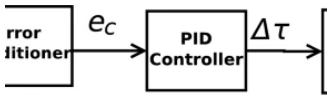
Delay sensitive resource allocation over high speed IEEE802.11 wireless LANs



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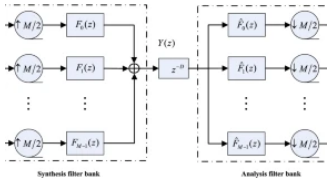
The nonlinear-phase design of FBMC prototype filter based on filter coefficient symmetry characteristic



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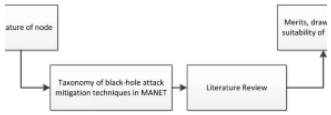
A survey of black-hole attack mitigation techniques in MANET: merits, drawbacks, and suitability



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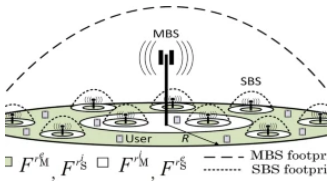
Coverage analysis of ultra-dense heterogeneous cellular networks with interference management



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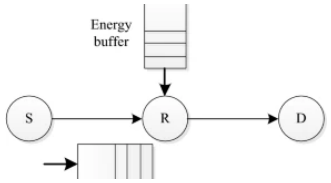
Machine learning based adaptive modulation scheme for energy harvesting cooperative relay networks



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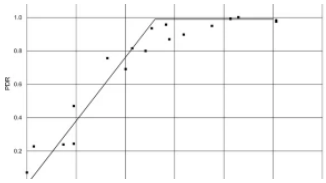
Energy-saving routing metric for aggregate low-rate wireless sensor networks



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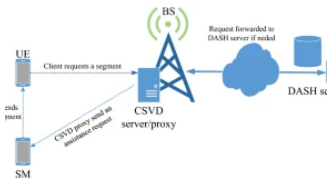
QoE awareness in progressive caching and DASH-based D2D video streaming in cellular networks



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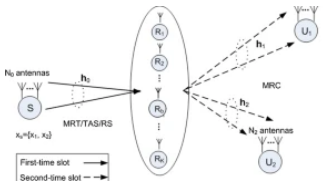
Energy harvesting relay-antenna selection in cooperative MIMO/NOMA network over Rayleigh fading



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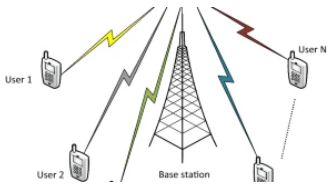
Physical layer security schemes for MIMO systems: an overview



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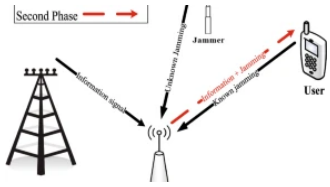
Characterization of untrusted relaying networks in the presence of an adversary jammer



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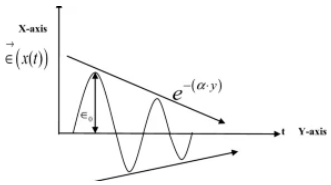
Performance analysis of electromagnetic (EM) wave in sea water medium



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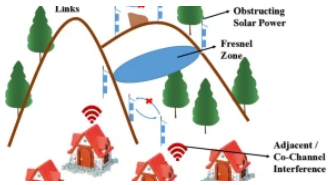
Reliable network connectivity in wireless sensor networks for remote monitoring of landslides



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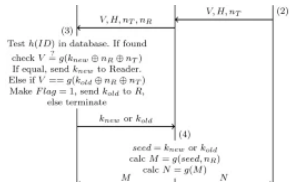
Provably privacy analysis and improvements of the lightweight RFID authentication protocols



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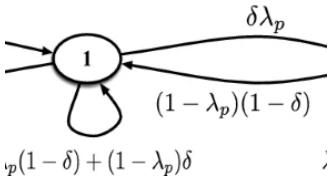

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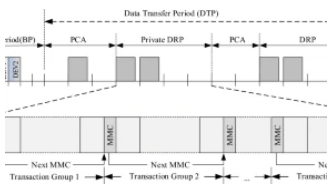

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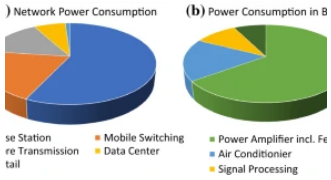

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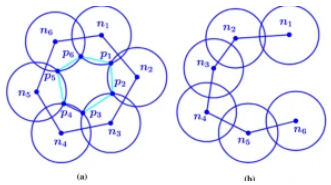

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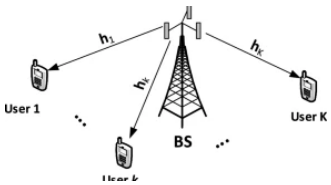

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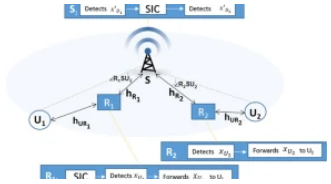

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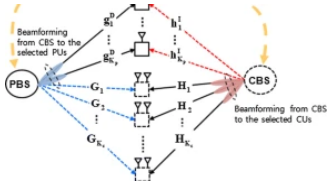

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