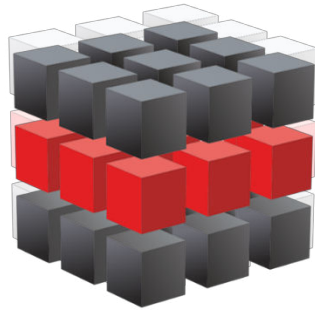




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CHENNAI – PONDICHERY

NS2 TITLES 2019-2020

WIRELESS COMMUNICATION

1. D2D Communications Meet Mobile Edge Computing for Enhanced Computation Capacity in Cellular Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 3 , March 2019)

2. Interference Management for Cellular-Connected UAVs: A Deep Reinforcement Learning Approach

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 4 , April 2019)

3. Joint Path Selection and Rate Allocation Framework for 5G Self-Backhauled mmWave Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 4 , April 2019)

4. Learning Aided Multiple Time-Scale SON Function Coordination in Ultra-Dense Small Cell Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 4 , April 2019)

5. Low-Complexity Coordinated Relay Beamforming Design for Multi-cluster Relay Interference Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 4 , April 2019)

6. Non-Uniform Deployment of Power Beacons in Wireless Powered Communication Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 3 , March 2019)

7. Optimal Base Station Antenna Downtilt in Downlink Cellular Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 3 , March 2019)

8. Resource Allocation for Wireless-Powered IoT Networks with Short Packet Communication

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 2 , Feb. 2019)



9. Single- and Multiple-Access Point Indoor Localization for Millimeter-Wave Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 3 , March 2019)

10. Uplink Performance Analysis in D2D-Enabled mmWave Cellular Networks with Clustered Users

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 2 , Feb. 2019)

11. Wireless Channel Modeling Perspectives for Ultra-Reliable Communications

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 4 , April 2019)

12. An Energy Saving Small Cell Sleeping Mechanism with Cell Range Expansion in Heterogeneous Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

13. Cellular Internet-of-Things Networks over Unlicensed Spectrum

Published in: 2018 IEEE International Symposium on Dynamic Spectrum Access Networks (DySPAN)

14. Joint Minimization of Wired and Wireless Traffic for Content Delivery by Multicast Pushing

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

15. Localization of Energy Harvesting Empowered Underwater Optical Wireless Sensor Networks.

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

16. Message Passing Based Distributed Learning for Joint Resource Allocation in Millimeter Wave Heterogeneous Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

17. Relay Selection and Resource Allocation for SWIPT in Multi-User OFDMA Systems

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

18. Secure Short-Packet Communications for Mission-Critical IoT Applications

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)



19. Sense-and-Predict: Harnessing Spatial Interference Correlation for Cognitive Radio Networks

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

20. Stackelberg Game for User Clustering and Power Allocation in mmWave NOMA Systems

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

21. Throughput Optimization for Wireless Powered Interference Channels.

Published in: IEEE Transactions on Wireless Communications (Volume: 18 , Issue: 5 , May 2019)

22. A novel positioning-communication integrated signal in wireless communication systems.

Published in: IEEE Wireless Communications Letters (Early Access)

23. Average Age of Information in Wireless Powered Sensor Networks.

Published in: IEEE Wireless Communications Letters (Volume: 8 , Issue: 2 , April 2019)

24. Adaptive Power Resource Allocation with Multi-Beam Directivity Control in High-Throughput Satellite Communication Systems.

Published in: IEEE Wireless Communications Letters (Early Access)

25. Energy Efficiency in Multipath Rayleigh Faded Wireless Sensor Networks using Collaborative Communication.

Published in: IEEE Access (Volume: 7)

26. Dynamic Transmission Policy for Multi-Pair Cooperative Device-to-Device Communication with Block-Diagonalization Precoding.

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27. Downlink Resource Sharing in Multichannel Device-to-Device Communication.

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28. QoS-Aware User Association and Resource Allocation in LAA-LTE/WiFi Coexistence Systems.

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29. Energy efficiency and spectrum efficiency in underlay device-to-device communications enabled cellular networks

Published in: China Communications (Volume: 16 , Issue: 4 , April 2019)

30. Clipping Noise and Power Allocation for OFDM-Based Optical Wireless Communication Using Photon Detection

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31. Radio propagation and wireless coverage of LSAA-based 5G millimeter-wave mobile communication systems

Published in: China Communications (Volume: 16 , Issue: 5 , May 2019)

32. Joint Resource Allocation, Placement and User Association of Multiple UAV-Mounted Base Stations with In-band Wireless Backhaul

Published in: IEEE Wireless Communications Letters (Early Access)

33. The Channel Impulse Response of SIMO Underwater Optical Wireless Communication Link based on Monte Carlo Simulation

Published in: 2019 2nd West Asian Colloquium on Optical Wireless Communications (WACOWC)

34. Jammer-Assisted Legitimate Eavesdropping in Wireless Powered Suspicious Communication Networks

Published in: IEEE Access (Volume: 7)

35. Low-loss planar components for THz wireless communications

Published in: 2019 IEEE Radio and Wireless Symposium (RWS)

36. Fog Node Selection for Low Latency Communication and Anomaly Detection in Fog Networks

Published in: 2019 International Conference on Communications, Information System and Computer Engineering (CISCE)

VEHICULAR COMMUNICATION

1. A Mobility-Aware Vehicular Caching Scheme in Content Centric Networks: Model and Optimization

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 4 , April 2019)

2. A Scheme for Trustworthy Friendly Jammer Selection in Cooperative Cognitive Radio Networks

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 4 , April 2019)

3. CPSLP: A Cloud-Based Scheme for Protecting Source-Location Privacy in Wireless Sensor Networks Using Multi-Sinks

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 3 , March 2019)

4. Deep Cooperative Sensing: Cooperative Spectrum Sensing Based on Convolutional Neural Networks

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 3 , March 2019)

5. Delay-Minimization Routing for Heterogeneous VANETs with Machine Learning based Mobility Prediction

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 4 , April 2019)

6. Efficient and Privacy-preserving Truth Discovery in Mobile Crowd Sensing Systems

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 4 , April 2019)

7. Enabling 5G RAN Slicing with EDF Slice Scheduling

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 3 , March 2019)

8. Full-Duplex Device-to-Device Cellular Networks: Power Control and Performance Analysis



Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 4 , April 2019)

9. Incentive Mechanism and Content Provider Selection for Device-to-Device-Based Content Sharing

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 3 , March 2019)

10. Joint Power, Original Bandwidth and Detected Hole Bandwidth Allocation for Multi-Homing Heterogeneous Networks Based on Cognitive Radio

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 3 , March 2019)

11. Link Stability Based Optimized Routing Framework for Software Defined Vehicular Networks

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12. Millimeter-wave Backhaul Traffic Minimization for CoMP over 5G Cellular Networks

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 4 , April 2019)

13. Mobility Aware Relay Selection in 5G D2D Communication using Stochastic Model

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14. Multi-hop D2D Communications with Network Coding: From a Performance Perspective

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 3 , March 2019)

15. Multi-Principal Multi-Agent Contract Design: Theory and Application to Device-to-Device Communications

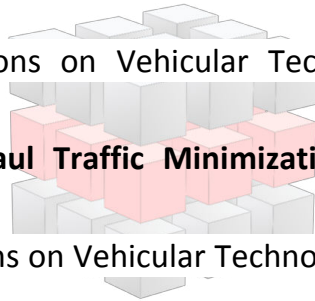
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16. Physical Layer Security of Multiuser Multirelay Hybrid Satellite-Terrestrial Relay Networks

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17. UAV-assisted supporting services connectivity in urban VANETs

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18. On the Outage Performance of SWIPT Based Three-step Two-way DF Relay Networks.

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19. A Scheme for Trustworthy Friendly Jammer Selection in Cooperative Cognitive Radio Networks.

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20. A Traffic Prediction Enabled Double Rewarded Value Iteration Network for Route Planning.

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

21. Decentralized Scheduling for Cooperative Localization with Deep Reinforcement Learning

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

22. Intelligent Resource Management Based on Reinforcement Learning for Ultra-Reliable and Low-Latency IoV Communication Networks

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

23. Learning to Entangle Radio Resources in Vehicular Communications: An Oblivious Game-Theoretic Perspective.

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

24. An Active Mobile Charging and Data Collection Scheme for Clustered Sensor Networks.

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25. An SINR-Aware Joint Mode Selection, Scheduling, and Resource Allocation Scheme for D2D Communications.

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26. Chance-Constrained Optimization in D2D-Based Vehicular Communication Network.

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

27. DeQoS Attack: Degrading Quality of Service in VANETs and its Mitigation.



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28. Dynamic Resource Allocation for LTE-based Vehicle-to-Infrastructure Networks.

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29. Energy Sharing and Trading in Multi-Operator Heterogeneous Network Deployments

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

30. Energy-Efficient Edge Computing Service Provisioning for Vehicular Networks: A Consensus ADMM Approach.

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

31. Joint Subcarrier Assignment with Power Allocation for Sum Rate Maximization of D2D Communications in Wireless Cellular Networks.

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

32. Secrecy Ensured Socially-Aware Resource Allocation in Device-to-Device Communications Underlying HetNet.

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33. Toward Keyword Extractions in Constrained Information Retrieval in Vehicle Social Network.

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

34. Ultra-Reliable Low-Latency Communications in Autonomous Vehicular Networks.

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 5 , May 2019)

35. Computation Resource Allocation and Task Assignment Optimization in Vehicular Fog Computing: A Contract-Matching Approach.

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36. An Efficient Authentication Scheme Based on Semi-Trusted Authority in VANETs.

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37. Knowledge-Driven Service Offloading Decision for Vehicular Edge Computing: A Deep Reinforcement Learning Approach.

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38. Parking Reservation Auction for Parked Vehicle Assistance in Vehicular Fog Computing.

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39. A Distributed Social-aware Location Protection Method in Un-trusted Vehicular Social Networks

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40. A Probabilistic Source Location Privacy Protection Scheme in Wireless Sensor Networks

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41. Relay-aided Multiple Access Scheme in Two-point Joint Transmission

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42. Robust Targets Coverage for Energy Harvesting Wireless Sensor Networks

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43. Indirect Diffused Light Free-Space Optical Communications for Vehicular Networks

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44. Left-Handed Circularly polarized two-element antenna array for Vehicular Communication

Published in: 2019 International Conference on Communication and Signal Processing (ICCSP)

45. Artificial Intelligence Inspired Transmission Scheduling in Cognitive Vehicular Communications and Networks

Published in: IEEE Internet of Things Journal (Volume: 6 , Issue: 2 , April 2019)

46. Vehicle-to-infrastructure channel characterization in urban environment at 28 GHz



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47. A D2D Multicast Network Architecture for Vehicular Communications

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48. Joint Optimization of Communication and Traffic Efficiency in Vehicular Networks

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49. Multimedia Data Offloading in Resource-Limited Multi-Hop Vehicular Networks

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50. Delay-Constrained Routing via Heterogeneous Vehicular Communications in Software Defined BusNet

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51. Socially Inspired Relaying and Proactive Mode Selection in mmWave Vehicular Communications

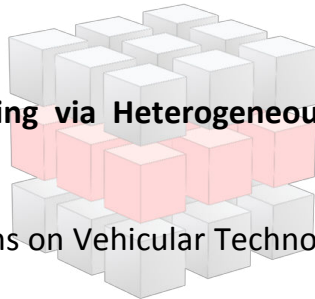
Published in: IEEE Internet of Things Journal (Volume: 6 , Issue: 3 , June 2019)

52. A Comprehensive Study on mmWave-Based Mobile Hotspot Network System for High-Speed Train Communications

Published in: IEEE Transactions on Vehicular Technology (Volume: 68 , Issue: 3 , March 2019)

53. Modelling and Analysis of a Novel Vehicular Mobility Management Scheme to Enhance Connectivity in Vehicular Environments

Published in: IEEE Access (Volume: 7)



NETWORKING

1. Adding Support for Automatic Enforcement of Security Policies in NFV Networks

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 2 , April 2019)

2. An Attribute-Based Framework for Secure Communications in Vehicular Ad Hoc Networks

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 2 , April 2019)

3. Automated Self-Optimization in Heterogeneous Wireless Communications Networks

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4. Dynamic Cloud Network Control Under Reconfiguration Delay and Cost

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 2 , April 2019)

5. Estimating Cardinality of Arbitrary Expression of Multiple Tag Sets in a Distributed RFID System

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 2 , April 2019)

6. Minimum Connected Dominating Set Under Routing Cost Constraint in Wireless Sensor Networks With Different Transmission Ranges

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 2 , April 2019)

7. Optimizing Gradual SDN Upgrades in ISP Networks

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 1 , Feb. 2019)

8. Topology Inference of Unknown Networks Based on Robust Virtual Coordinate Systems

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 1 , Feb. 2019)

9. VNF Placement and Resource Allocation for the Support of Vertical Services in 5G Networks.

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 1 , Feb. 2019)

10. Routing Stability in Hybrid Software Defined Networks.

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 2 , April 2019)

11. Uncoordinated Massive Wireless Networks: Spatiotemporal Models and Multiaccess Strategies

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 3 , June 2019)

12. Concurrent Cross-Technology Communication Among Heterogeneous IoT Devices

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 3 , June 2019)



13. Extracting Routing Events From Traceroutes: A Matter of Empathy

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 3 , June 2019)



14. Robustness Optimization Scheme With Multi-Population Co-Evolution for Scale-Free Wireless Sensor Networks

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15. Online Routing and Scheduling With Capacity Redundancy for Timely Delivery Guarantees in Multihop Networks

Published in: IEEE/ACM Transactions on Networking (Volume: 27 , Issue: 3 , June 2019)

16. Rational Agent-Based Decision Algorithm for Strategic Converged Network Migration Planning

Published in: IEEE/OSA Journal of Optical Communications and Networking (Volume: 11 , Issue: 7 , July 2019)

17. Load-aware nonlinearity estimation for elastic optical network resource optimization and management

Published in: IEEE/OSA Journal of Optical Communications and Networking (Volume: 11 , Issue: 5 , May 2019)

18. Self-learning monitoring on-demand strategy for optical networks

Published in: IEEE/OSA Journal of Optical Communications and Networking (Volume: 11 , Issue: 2 , Feb. 2019)

19. Delay-aware bandwidth slicing for service migration in mobile backhaul networks

Published in: IEEE/OSA Journal of Optical Communications and Networking (Volume: 11 , Issue: 4 , April 2019)

20. Cost-efficient quantum key distribution (QKD) over WDM networks

Published in: IEEE/OSA Journal of Optical Communications and Networking (Volume: 11 , Issue: 6 , June 2019)

21. Network Coding Based Evolutionary Network Formation for Dynamic Wireless Networks

Published in: IEEE Transactions on Mobile Computing (Volume: 18 , Issue: 6 , June 1 2019)

22. Optimal Packet Size Analysis for Network Coding-Enabled Two-Hop Error-Prone Wireless Networks

Published in: IEEE Communications Letters (Volume: 23 , Issue: 5 , May 2019)

23. Unified and Automated Fault Management Platform for Optical Networks

Published in: 2019 Network Traffic Measurement and Analysis Conference (TMA)

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PARALLEL AND DISTRIBUTED SYSTEM

1. An Efficient Application Partitioning Algorithm in Mobile Environments.

Published in: IEEE Transactions on Parallel and Distributed Systems (Volume: 30 , Issue: 7 , July 1 2019)

2. An Efficient Ring-Based Metadata Management Policy for Large-Scale Distributed File Systems

Published in: IEEE Transactions on Parallel and Distributed Systems (Volume: 30 , Issue: 9 , Sept. 1 2019)

MANET

1. Design and Implementation of An Efficient Multipath AODV Routing Algorithm for MANETs

Published in: 2019 IEEE 9th Annual Computing and Communication Workshop and Conference (CCWC)

2. Congestion Avoidance Adaptive Routing Protocol For MANETs Using Network Coding

Published in: 2019 International Conference on Communication Technologies (ComTech)

3. AODV Route Discovery and Route Maintenance in MANETs

Published in: 2019 5th International Conference on Advanced Computing & Communication Systems (ICACCS)

4. A New Anti-Jamming Strategy Based on Deep Reinforcement Learning for MANET

Published in: 2019 IEEE 89th Vehicular Technology Conference (VTC2019-Spring)

5. Security Challenges and Attacks in Dynamic Mobile Ad Hoc Networks MANETs

Published in: 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)

6. A Network Lifetime Extension-Aware Cooperative MAC Protocol for MANETs With Optimized Power Control

Published in: IEEE Access (Volume: 7)

7. Energy Aware Path Selection based Efficient AODV for MANETs

Published in: 2019 16th International Bhurban Conference on Applied Sciences and Technology (IBCAST)

8. Manet for Stable Data flow in Smart home and Smart city

Published in: 2019 4th MEC International Conference on Big Data and Smart City (ICBDSC)

9. The Effect of Nodes Density on Real Time Traffic in Mobile Ad Hoc Network

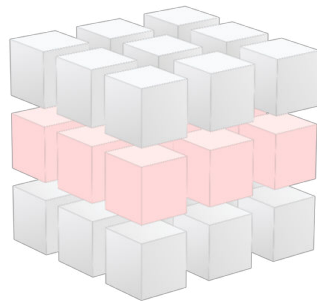
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10. Energy-Efficient TDMA Scheduling for UVS Tactical MANET



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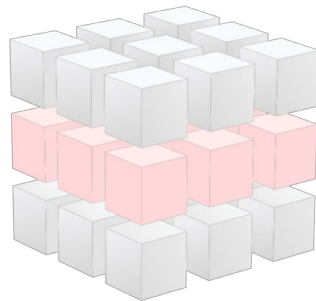


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