

Journal of Communications

CONTENTS

Volume 20, Number 4, 2025

Enhancing MANET Security Using AI-Driven Intrusion Detection Systems	371
<i>S. Hemalatha*, K. V. S. V. Trinadh Reddy, Ramaswamy T, R. V. V. Krishna, P. Supriya, and S. N. Ananthi</i>	
Low Complexity Cooperative Relay NOMA Systems: Analytical Evaluation in κ - μ Fading with Imperfect SIC	384
<i>Said Awad and Mohammed Abdel-Hafez *</i>	
A Research on PPE Lens Antennas with Matching Layers for Multi-Beam Generation.....	394
<i>Nguyen Thi Dieu Linh, Phan Van Hung, Nguyen Quoc Dinh, and T. V. Luyen*</i>	
An Effective MIMO Antenna Design for 5G and Beyond	403
<i>A. F. M. Shahen Shah, Dunya Jassim Al-Bu Mohammed, Al-Sakib Khan Pathan*, and Khaled Rabie</i>	
Towards Efficient Data Communication in Vehicular NDN: The Superiority of Adaptive SRTT-Based Forwarding (ASF)	415
<i>Syaiful Ahdan, Iskandar, and Nana Rachmana Syambas*</i>	
Evaluation of Spectral Traffic Classifiers in Cognitive Radio Networks Using Deep Learning and Machine Learning	436
<i>D. Giral-Ramirez, C. Hernandez*, and E. Cadena</i>	
Deep Reinforcement Learning for Dynamic Routing, Modulation, and Spectrum Assignment in Elastic Optical Networks	446
<i>Mohammed B. S. Jaber and Omar Y. Shaaban *</i>	
Dynamic Slot Allocation in Wireless Body Area Networks: Exploring Q-learning Approaches.....	457
<i>Abdu I. Adamu, Darmawaty M. Ali*, Saidatul Izyanie B. Kamarudin, Suzi S. Sarnin, Wan Haszerila W. Hassan, Mansir Abubakar, and Alwatben B. Rashed</i>	
Gap Analysis of 5G Network Coverage in Bandung City with Non-Standalone Scenario	475
<i>Hanin Nafi'ah*, Muhammad Ary Murti, and Alfin Hikmaturokhman</i>	
A High Directional Antenna at All Three Operating Bands for Wide-Band IoT Applications Based on IEEE 802.11ax/be Standard.....	483
<i>Duong Thi Thanh Tu, Nguyen Van Hoa, and Nguyen Thi Thu Nga*</i>	
Bus Signal Priority: Enhancing Urban Mobility and Communication Efficiency in Smart Cities in Semarang, Indonesia	491
<i>Mudjiastuti Handajani, Ari E. Jayati*, Elfira N. Ardina, Eko S. Hasrito, and Siti V. Octaviany</i>	
Intrusion Detection in Wireless Sensor Networks Using ML Based Classification of Denial of Service (DoS) Attacks	501
<i>Areen M. Arabiat * and Yousef G. Eljaafreh</i>	

