

# Journal of Communications

## CONTENTS

---

### Volume 15, Number 1, January 2020

Performance Evaluation of eICIC Scheme for Small Cell Data Offloading in Heterogeneous Cellular Network .....	1
<i>Mahammad A. Safwat</i>	
Securing Communication between Fog Computing and IoT Using Constrained Application Protocol (CoAP): A Survey .....	14
<i>Fahd A. Alhaidari and Ebtesam J. Alqahtani</i>	
Analysis and Comparison of VLC Based Pulse Modulation in LiFi Enterprise Standard Environment .....	31
<i>Jeong Gon Kim and Ho Kyung Yu</i>	
Dust Particles' Permittivity in Microwave Signal Propagation: A Review .....	38
<i>Abdulwaheed Musa and Babu Sena Paul</i>	
Comparative Analysis of Different NG-PON2 Protection Types Based on FDM .....	45
<i>S. Rajalakshmi and T. Shankar</i>	
Analysis of Wi-Fi HaLow Device Interference to LTE User Equipment .....	58
<i>Yeon-Gyu Park, Eun-Young Chang, Il-Kyoo Lee, and Yan-Ming Cheng</i>	
A Weighted Geometric Dilution of Precision-Based Method for Indoor Positioning System .....	65
<i>Afifah Dwi Ramadhani, Prima Kristalina, and Amang Sudarsono</i>	
Improving Energy Detection in Cognitive Radio Systems Using Machine Learning .....	74
<i>Temitope O. Fajemilehin, Abid Yahya, and Kibet Langat</i>	
Application of IEEE802.11ac/n Link Throughput Estimation Model in Holding Access-Point Assignment Algorithm for Wireless Local-Area Network .....	81
<i>Shigeto Tajima, Nobuo Funabiki, and Teruo Higashino</i>	
Enhancing the Performance of 433 MHz Underwater WSN Using Handover Mechanisms .....	88
<i>Salma M. Maher, Ziad M. Ali, Sameh O. Abdellatif, and Mohammad M. Abdellatif</i>	
Image Compression as a Variation Calculus Task .....	95
<i>Dmitry Kalistratov</i>	
Collaboration Study Case between the Industry and the University: Use of Lightgbm Algorithm for Data Analytics in the Execution History of Scheduled Routines (Job) .....	101
<i>Juan J. Arenas, Cesar Soto, and Freddy Paz</i>	
Implementing Policy Rules in Attributes Based Access Control with XACML within a Cloud-Enabled IoT Environment .....	107
<i>Fatima Sifou, Feda AlShahwan, Mbarek Marwan, Adra Hammoud, and Ahmed Hammouch</i>	