

# Journal of Communications

## CONTENTS

---

### Volume 17, Number 7, July 2022

- Estimating Effect of Total Specific Atmospheric Attenuation on Performance of FSO Communication Link in South Africa.....498  
*Solly P. Maswikaneng, Samuel O. Adebusola, Pius A. Owolawi, and Sunday O. Ojo*
- Controlled Redundancy Schemes in Collaborative IoT by Smartphones.....510  
*Mohamed A. Marzouk, Ayman M. Hassan, and Abdelhalim A. Zekry*
- New Collaborative Caching Scheme for D2D Content Sharing in 5G.....521  
*Rana E. Ahmed*
- Improving Interference Cancellation in Spatial Division Multiplexing Using a Combination of the Channel Coding and QR-Successive Interference Cancellation.....528  
*Heba Talla Adel Ibrahim, Ashraf Yehya Hassan, and Abdelhalim zekry*
- UPISmartHome V.2.0 – A Consumer Product of Smart Home System with an ESP8266 as the Basis .....541  
*Syifaul Fuada and Hendriyana*
- A Proposed Method for Synthesizing the Radiation Pattern of Linear Antenna Arrays.....553  
*Amin Al Ka'bi*
- New Efficient Authentication Model for Vehicular Ad Hoc Networks .....559  
*Abdelilah El ihyaoui, My Abdelkader Youssefi, Ahmed Mouhsen, Abdelhafid ELfarnane, and Rachid Dakir*
- Route Discovery Using Hybrid Approach for Disaster Management in MANET .....566  
*Abdul Majid Soomro, Mohd Farhan Md. Fudzee, Hafiz Muhamad Saim, and Gohar Zaman*
- Comparison of Automatic Modulation Classification Techniques .....574  
*Salah Ayad Jassim and Ibrahim Khider*
- Implementation of Satellite Road Image Denoising using Iterative Domain Guided Image Filtering with Gray World Optimization .....581  
*D. Subhashini and V. B. S. Srilatha Indira Dutt*