

# Journal of Communications

## CONTENTS

---

### Volume 15, Number 9, September 2020

- Recycling 4.0 - Digitalization as a Key for the Advanced Circular Economy .....652  
*Lars Kintscher, Sebastian Lawrenz, Hendrik Poschmann, and Priyanka Sharma*
- Effect of Polarization on the Performance of Adaptive Antenna Arrays .....661  
*Amin H. Al Ka'bi*
- Measuring the Effectiveness of a Radio-Identification System.....669  
*Oleksii S. Bichkov, Volodymyr S. Nakonechnyi, Nataliia V. Lukova-Chuiko, Viktoriia V. Zhebka, Galina S. Panayotova, and Dimitar A. Dimitrov*
- Decreasing Traffic Congestion in VANETs Using an Improved Hybrid Ant Colony Optimization Algorithm .....676  
*Elias Khoza, Chunling Tu, and Pius A. Owolawi*
- LTE Capacity Estimation with Changing Different Planning Parameters.....687  
*Haider Mohammed Turki Al-Hilfi and Muthanna Jaafar Abbas*
- Design of Massive Multiuser MIMO System to Mitigate Inter Antenna Interference and Multiuser Interference in 5G Wireless Networks .....693  
*Naga Raju Challa and Kalapraveen Bagadi*
- Analysis of Pulse Modulation in LC Based Typical Indoor Environment .....702  
*Jeong Gon Kim and Ho Kyung Yu*
- LTE-V2X System Performance Based on Urban-Low Speed Environment .....708  
*Bara B. Burhan, Mahamod Ismail, Mohammed A. Altahrawi, and Saif H. Alrubaee*