

# Dr. V. R. VIJAYKUMAR

## list of publication

- 1      A compacted triple band antenna design for GSM, Wi-Fi and WiMAX communication schemes for information computation system      2020  
R Saravanakumar, VR Vijaykumar  
International Journal of Business Information Systems 34 (1), 40-58
- 2      Robust secure communication protocol for smart healthcare system with FPGA implementation      2019  
V Sureshkumar, R Amin, VR Vijaykumar, SR Sekar  
Future Generation Computer Systems 100, 938-951
- 3      A Deep Learning RCNN Approach for Vehicle Recognition in Traffic Surveillance System      2019  
V Murugan, VR Vijaykumar, A Nidhila  
2019 International Conference on Communication and Signal Processing (ICCSP ...
- 4      Automatic Moving Vehicle Detection and Classification Based on Artificial Neural Fuzzy Inference System      2018  
V Murugan, VR Vijaykumar  
Wireless Personal Communications 100 (3), 745-766
- 5      Background subtraction algorithm and image skeletonization based anomaly event detection for low resolution video      2017  
V Murugan, VR Vijaykumar, SV Selvan  
2017 Fourth International Conference on Signal Processing, Communication and ...
- 6      Histogram shifting based reversible data hiding with controlled contrast enhancement      2017  
VR VijayKumar, VS Babu  
2017 Third International Conference on Biosignals, Images and ...

- 7      Implementation of  $2^n - 2^k - 1$  Modulo Adder Based RFID Mutual Authentication Protocol 2017  
V V R, RS S, E S, R S  
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS-Early Access  
(DOI: 10.1109/TIE ...
  
- 8      A novel lightweight and low power tag-reader mutual authentication protocol for portable RFID based security systems 2016  
VR Vijaykumar, R Reghunath, S Rajasekar, S Elango  
2016 IEEE Industrial Electronics and Applications Conference (IEACon), 360-365
  
- 9      Adaptive impulse detection based selective window median filter for removal of random-valued impulse noise in digital images 2016  
K Ashok, A Kalaiselvi, VR Vijaykumar  
COMPEL-The international journal for computation and mathematics in ...
  
- 10     VLSI Architecture of Switching Median Filter for Salt and Pepper Noise Removal. 2016  
VR Vijaykumar, G Santhanamari, S Elango  
IAENG International Journal of Computer Science 43 (1)
  
- 11     Adaptive Window Based Multi Stage Impulse Noise Detection for Removal of Random Valued Impulse Noise in Digital Images 2016  
K Ashok, VR Vijaykumar  
Asian Journal of Information Technology 15 (3), 635-638
  
- 12     Rail defect detection using Gabor filters with texture analysis 2015  
VR Vijaykumar, ...  
IEEE Xplore
  
- 13     Fast switching based median–mean filter for high density salt and pepper noise removal 2014  
VR Vijaykumar, GS Mari, D Ebenezer

AEU-International journal of electronics and communications 68 (12), 1145-1155

- |    |   |      |
|----|---|------|
| 14 | New decision-based trimmed median filter for high-density salt-and-pepper noise removal in images | 2014 |
|    | VR Vijaykumar, G Santhanamari   |      |
|    | Journal of Electronic Imaging 23 (3), 033011  |      |
|    |   |      |
| 15 | Separation of overlapped chromosomes and pairing of similar chromosomes for karyotyping analysis  | 2014 |
|    | D Somasundaram, VRV Kumar   |      |
|    | Measurement 48, 274-281   |      |
|    |   |      |
| 16 | Straightening of highly curved human chromosome for cytogenetic analysis                          | 2014 |
|    | D Somasundaram, VRV Kumar   |      |
|    | Measurement 47, 880-892   |      |
|    |   |      |
| 17 | Hardware implementation of tag-reader mutual authentication protocol for RFID systems             | 2014 |
|    | VR Vijaykumar, S Elango   |      |
|    | Integration 47 (1), 123-129   |      |