

Mr. Santosh Kumar S

BE, MTech [MISTE, MIEI]

Assistant Professor, Dept. of E&CE SVCE, Bengaluru

GOOGLE SCHOLAR ID : QbSG7wMAAAAJ
ORCID ID : 0000-0002-1903-5268
PUBLONS ID : AAT-1232-2021

Biography

Santosh Kumar S is currently working as Assistant Professor in the Department Electronics & Communication at Sri Venkateshwara College of Engineering, Bangalore. He received the B.E Degree in Electronics and Communication Engineering from SJCIT, Chickanalapur in 2005, and earned M.Tech. from MSRIT, Bangalore in 2009. He currently registered for the Ph.D on the research topic Radio Resource Scheduling Algorithms in LTE-A system from Visvesvaraya Technological University, Belagavi, Karnataka.

The area of the interest includes Digital signal processing, Physical Layer Security, Wireless Communication, Digital signals compression algorithms, adaptive MIMO systems.

Several research proposals have submitted to various bodies like AICTE, DST, VGST, IEEE and KSCST and received funds. He has been actively involved as coordinator member in various committees such as NBA, VTU, NAAC and organizing several workshops, seminars and Student development programmes in association with foreign universities. Several publications in his credit in various SCI index journals like Springer and IEEE publications. He has been IEEE RTEICT International Conference Co-ordinator since 2016 and has served as Jury/reviewer for IEEE Conferences, He has given many technical talks at various industries and institutions.

Research Interests

- Signal Processing
- Physical Layer Security
- MIMO
- Wireless Communication
- Digital Image Processing
- Embedded Systems & Robotics

Selected Publications

1. Santosh Kumar S, "Solar Powered PV Panel Cleaning Robot," 2020 International Conference on Recent Trends on Electronics, Information, Communication &

Technology (RTEICT), Bangalore, India, 2020, pp. 169-172, doi: 10.1109/RTEICT49044.2020.9315548.

2. Santosh Kumar S, "Improving the performance of automatic speech recognition using blind source separation", International Journal of Engineering and Advanced Technology (IJEAT) at Volume-8 Issue-6, August 2019 P 1411-1415.
3. Santosh Kumar S, "Automated Package Delivery Accepting System -Smart Freight Box" Presented in the 4th 2019 IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT-2019), ISBN: 978-1-7281-0630-4/19 SVCE, Bengaluru, India
4. Santosh Kumar S, "IoT Based Agriculture Using AGRIBOT" Presented in the 4th 2019 IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT-2019), ISBN: 978-1-7281-0630-4/19 SVCE, Bengaluru, India
5. Santosh Kumar S, "Sound Activated Wildlife Capturing" Presented in the 3rd 2018 IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT-2018), ISBN: 978-1-5386-2440-1/18 SVCE, Bengaluru, India
6. Santosh Kumar S, "Automatic and Manual Switch Mode Targeting Weapon System for Border Security" Presented in the 3rd 2018 IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT-2018), ISBN: 978-1-5386-2440-1/18 SVCE, Bengaluru, India
7. Santosh Kumar S, "Smart IoT based Solar Panel Cleaning System" Presented in the 3rd 2018 IEEE International Conference On Recent Trends in Electronics Information & Communication Technology (RTEICT-2018), ISBN: 978-1-5386-2440-1/18 SVCE, Bengaluru, India.
8. Santosh Kumar S, "Non-negative matrix based optimization scheme for blind source separation in automatic speech recognition system" Published in IEEE Xplorer with ISBN: 978-1-5090-1066-0 and DOI: 10.1109/CESYS.2016.7889860, 30 March 2017.
9. Santosh Kumar S, "Sector Based Electronic Polling of Wetting Pattern Data for On-Farm Water Management" Published in IEEE Xplorer with ISBN: 978-1-5090-3704-9/17 and DOI: 10.1109/RTEICT.2017.8256999 15 January 2017.
10. Santosh Kumar S "Breath to Speech Communication with Fall detection for elder/Patient with take care analytics", IEEE Xplore Digital Library, ISBN: 978-1-5090-0774-5, pp: 136-140, RTEICT-2016, May 20-21, 2016.

11. Santosh Kumar S “Zone based Hierarchical energy efficient clustering scheme for WSN”, IEEE Xplore Digital Library, ISBN: 978-1-5090-0774-5, pp: 136-140, RTEICT-2016, May 20-21, 2016.
12. Santosh Kumar S “Improvement of Speed in Data Collection Rate in Tree based Wireless Sensor Network”, IEEE Xplore Digital Library, ISBN: 978-1-5090-0774-5, pp: 720-723, RTEICT-2016, May 20-21, 2016.
13. Santosh Kumar S “Opportunistic Routing Technique for Minimized Energy Consumption for relay node selection in wireless sensor networks”, IEEE Xplore Digital Library, ISBN: 978-1-5090-0774-5, pp: 2093-2097, RTEICT-2016, May 20-21, 2016.
14. Santosh Kumar S “An Efficient Routing Algorithm based on Ant Colony Optimization for VANETs”, IEEE Xplore Digital Library, ISBN: 978-1-5090-0774-5, pp: 436-440 RTEICT-2016, May 20-21, 2016.
15. Presented a paper “Reducing Energy Consumption during Resource Depletion attack in Wireless Sensor Network” in a ICNIC 2014, organized by Department of Electronics and Communication Engineering of SVCE, Bangalore during 10-12 July-2014.
16. Presented a paper “Digital Image Steganography: Case study” at National conference on computing & communication Engineering (NCCCE), March-2014.