

CURRICULUM VITAE

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Objective:

Seeking for a position in an organization which provides consistent learning and research opportunities, where I can use my skills and education to enrich student's knowledge and thereby help in the development of the Institution.

Experience:

S. No	Institution	Post held	Duration	Total Experience
1	Vellore Institute of Technology, Vellore	Associate Professor	July 2019 – Till date	15 years 6 months
2	Indian Institute of Technology, Madras.	Post Doctoral Fellow	December 2018 – July 2019	
3	Kingston Engineering College, Vellore.	Assistant Professor	December 2010 – June 2017	
4	VLB Janakiammal College of Engineering & Technology, Coimbatore.	Assistant Professor	June 2006 – December 2010	
5	Coimbatore Institute of Engineering & Information Technology, Coimbatore.	Lecturer	June 2005 – May 2006	
6	Nandha Engineering College, Perundurai.	Lecturer	December 2004 – June 2005	

Academic Performance:

Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks obtained	Class obtained
BE	ECE	2002	Mahendra Engineering College.	Periyar University	76%	I class

ME	Applied Electronics	2005	Kumaraguru College of Technology, Coimbatore.	Anna University, Chennai	75%	I class with Distinction
Ph.D.	Communication	2018	Government College of Technology, Coimbatore.	Anna University, Chennai	-	-
PDF	5G	2019	Indian Institute of Technology, IIT-Madras	IIT, Madras.	-	-

Subjects handled :

Post Graduate Courses

- Soft Computing.
- High Performance Communication Networks.

Under Graduate Courses

- Internet of Things
- IoT edge and applications
- Cognitive Radio
- Antenna & Wave Propagation
- Signals & Systems
- Digital Signal Processing

Patent :

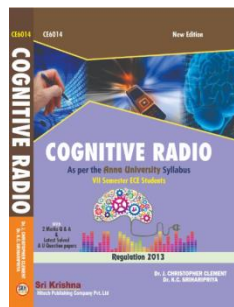
Title : Consumer-ID Bisected Compound Band Access Method for a Smart Grid System.

Application No. : 202041032691 A.

Publication Date : 07/08/2020.

Book Publication:

Authored a book “**Cognitive Radio**”, published by Sri Krishna Hi-tech publications, Chennai.



Journal Publications:

1. J.Christopher Clement, Ponnusamy V, Sriharipriya K.C., R.Nanda Kumar (2021). A survey on Mathematical, Machine Learning and Deep Learning Models for COVID-19 Transmission and diagnosis, Vol 14, No.8, IEEE Reviews in Biomedical Engineering, <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9387581>
2. Winarto Wijaya, Chandrasekharan Nataraj, Sathish Kumar Selvaperumal, Raed Abdulla, Low Yee San and Sriharipriya K.C, “Wind Powered Short-Range Communication Between Motorcyclist And Passenger”, Solid State Technology, Vol. 63, Issue. 1s, pp. 1330 - 1342, 2020. <http://www.solidstatetechtechnology.us/index.php/JSST/article/view/819>
3. K. C. Sriharipriya, K. Baskaran, “Optimal Number of Cooperators in the Cooperative Spectrum Sensing Schemes”, Circuits, Systems and Signal Processing, **Springer**, Vol. 37, Issue. 5, pp. 1988 - 2000, May - 2018. <https://link.springer.com/article/10.1007/s00034-017-0649-8>.
4. K. C. Sriharipriya, K. Baskaran, “Collaborative Spectrum Sensing of Cognitive Radio networks with simple and effective fusion scheme”, Circuits, Systems and Signal Processing, **Springer**, Vol. 33, Issue. 9, pp. 2851-2865, 2014. <http://link.springer.com/article/10.1007/s00034-014-9768-7>.
5. K. C. Sriharipriya, M. Radhika, R. Vanitha, “Energy efficiency maximization in cognitive radio channels using modified water filler algorithm”, International journal of engineering and applied sciences, Vol. 3, issue. 11, pp. 92 - 96, November 2016.
6. K. C. Sriharipriya, R. V. Haripriya, R. Joshnadevi, "Joint Beam forming, Power and Channel Allocation in Multi-User and Multi-Channel Underlay MIMO Cognitive Radio Networks", International Journal of Scientific Research in Science, Engineering and Technology, Volume 2, Issue 2, pp. 851-857, March-April 2016, <http://ijsrset.com/IJSRSET1622278>.
7. K. C. Sriharipriya, K. Baskaran, “A Survey on Cooperative Spectrum Sensing Techniques for Cognitive Radio Networks”, International Journal of Engineering and Advanced Research Technology, Volume 1, Issue 6, pp. 17 - 22, December 2015.

8. K. C. Sriharipriya, K. Baskaran, "A Mixed Strategy Scheme for Multiple Input Multiple Output System Using Cooperative Spectrum Sensing Approach", International Journal of Applied Engineering Research, Vol. 10, pp. 264-274, June 2015.
9. K.C.Sriharipriya, K. Aarthy, T.S. Keerthana, S. Menaga, S. Monisha, " Flex Sensor Based Nonspecific — User Hand Gesture Recognition ", International Journal of Innovative Research and studies, Vol. 2, May 2013.
10. K.C.Sriharipriya, M. Dinesh Chackravarthy, N.S. Lokesh, R. Praveen and S. Sridhar, "Intelligent Street Lighting using a Zig Bee Network of Devices and Sensors", pp. 25 – 30, Vol. 4, No. 1, ISST journal for Electrical & Electronics Engineering, Vol.2, No.1, January – June, 2013.
11. K. C. Sriharipriya, J.Christopher Clement, "Signal Processing issues in Spectrum Sensing of Cognitive Radio", ISST journal for Electrical & Electronics Engineering, Vol.2, No.1, January –June, 2011.

IEEE Conference Publications:

1. K. C. Sriharipriya, J. Christopher Clement, Chandrasekharan Nataraj, "Medicine strip identification using 2-D cepstral feature extraction and machine learning multiclass classification methods", Advances in Computing, Communication, Embedded and Secure Systems-ACCESS' May-2020.
2. K. C. Sriharipriya, R. Sanju, "Artificial neural network based multidimensional spectrum sensing in full duplex cognitive radio networks", IEEE International Conference on Computing Methodologies and Communication (ICCMC), July 2017, published in IEEE Xplore.
3. K. C. Sriharipriya, P.C Preethi, "Effect of In-phase and quadrature imbalance in full duplex cognitive radio network", IEEE sponsored international conference on engineering and technology, ICET, December 2016, published in IEEE Xplore.
4. K. C. Sriharipriya, P.C. Preethi, "Enhancement of mean energy efficiency of cognitive radio channels", IEEE International conference on intelligent systems and control, ISCO, January 2016, published in IEEE Xplore.

Administration & Academic Contributions:

- Active reviewer in CSSP journal (Springer).
- Active reviewer in Wireless Personal Communications journal (Springer).
- Reviewer of the book “Signals & Systems: Simplified”, by A. Nagoor Kani”, Tata Mc-Graw Hill Publications, 2016.
- NBA Accreditation Co-ordinator.
- Department Library incharge.
- LEO club Faculty co-ordinator.

K.C.SRIHARIPRIYA