



St. JOSEPH'S COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION

List of Staff Journal Publications

Academic year 2017 - 2018

S. No	Author name	Title of the paper	Journal	Month, Year	ISSN	Issue/Pg. No	Impact factor
1.	Dr. Martin Leo Manickam J.	Energy Efficient Shortest Path Routing Protocol for Underwater Acoustic Wireless Sensor Network	Wireless personal communications	Aug 2017	0929-6212	Vol 98(1)	0.951
2.	Dr. Martin Leo Manickam J.	Design and Development of CTSR with Direct and Indirect Observations of MANET Applications	Mobile Networks and Applications	Aug, 2017	1383-469X	1-7	1.538

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		algorithm for fuzzy vault systems with physiological signal for wireless body area sensor networks					
3.	Dr. Martin Leo Manickam J.	Detecting and Denying Malicious Behavior using Adaptive Learning based Routing Protocol in Wireless Mesh Network	Applied Mathematics & Information Sciences	July 2017	1935-0090	11(4)	--
4.	Dr. Martin Leo Manickam J.	QoS Enhancement and Modernizing Load Balancing Algorithm for Integrated Networks 802.11n and 802.11g	International Journal of control theory and applications	Aug. 2017	0974-5572	10(6)	-
5.	Dr. Martin Leo Manickam J.	PCM: A path-aware clustering mechanism for energy-efficient routing protocol in wireless sensor networks	Journal of Computational and Theoretical Nanoscience	July 2017	1546-1955	14(11)	-
6.	Dr. Martin Leo Manickam J.	REAS: Residual Energy Aware Angle Based Routing Protocol for Cluster-Based Wireless Sensor Networks	Sensor Letters	2017	1546-198x	15(7)	-
7.	Dr. Martin Leo Manickam J.	A Light Weight Hop Count Based Link Failure Detection Protocol in Wireless Sensor Networks	International Journal of Pure and Applied Mathematics	-	1314-3395	425-433 116(10)	-
8.	Dr. Martin Leo Manickam J.	A 128-bit secret key generation using unique ECG bio-signal for medical data cryptography in lightweight wireless body area networks	Pakistan Journal of Biotechnology	2017	-	257-264 14(2)	-

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9.	Dr. Martin Leo Manickam J.	A Light Weight Hop Count Based Link Failure Detection Protocol in Wireless Sensor Networks	International Journal of Pure and Applied Mathematics	2017	1314-3395	425-433 116(10)	
10.	Dr. Martin Leo Manickam J.	A Novel Multi-hop Transmission in Integrated Network of WLAN IEEE 802.11n and IEEE 802.11g Using Riverbed Modeler 17.5	Cluster computing	Sep 2017	1386-7857	1-8	2.04
11.	R.Avudaiammal,	Network Processor based high speed packet classifier for Multimedia Applications	Wireless Personal Communications	Sep. 2017	0929-6212	1-18	0.951
12.	R.Avudaiammal,	Multiple MRI Image Fusion using Normalized Principal Components of DWT Sub bands	International Journal of Tomography & Simulation	-	-	92-100 13(2)	-
13.	I.Johnsi Stella	Solar Photovoltaic Power Systems Principles, Design and Applications	e-book Notion press	Oct 2017			
14.	A.Swarnalatha	Network Processor based high speed packet classifier for Multimedia Applications	Wireless Personal Communications	Sep. 2017	0929-6212	1-18	0.951
15.	A.Swarnalatha	A PON Planning Using Fuzzy Clustering And Non-Linear Constrained Optimization Techniques	Global Journal of Pure and Applied Mathematics	2017	-	13(1)	0.16
16.	A. M. Balamurugan	Secured Hash Based Burst Header Authentication Design for Optical Burst Switched Networks	Journal of Optical Communications	Dec 2017	-	38(4)	-

S. No	Author name	Title of the paper	Journal	Month, Year	ISSN	Issue/Pg. No	Impact factor
17.	D.Sungeetha	Design of Combinational Circuits by Implementing NAND logic using Quantum-Dot Cellular Automata (QCA)	International Journal of Control theory and Applications	2017	09745572	10(21)	-
18.	Maheswari S	A framework of Secured Embedding Scheme using Vector Discrete Wavelet Transformation and Lagrange Interpolation	Journal of Computer Networks and Communications	Oct 2017	2090-7141	-	-
19.	Maheswari S	A Blind DES-LSB Based Data Embedding Scheme	International Journal of Pure and Applied Mathematics	Dec 2017	1311-8080	117(6)	0.29
20.	R. Niruban	Low Power and Area Efficient Integer Correcting Codes”, Vol.1, Issue 01, pp.1-4, November.	International Journal of Communication and Signal Processing	Nov 2017	-	1(1) 1-4	-
21.	Dr. Martin Leo Manickam J.	A cluster based mobile data gathering using SDMA and PSO techniques in WSN	Cluster computing	Jan 2018	1386-7857	1- 10	2.04
22.	Dr. Martin Leo Manickam J.	A efficient and reliable communication to reduce broadcast storms in VANET protocol Cluster computing	Cluster computing	Feb 2018	1386	1 - 7	2.04
23.	Dr. Martin Leo Manickam J.	Enhanced trust based encroachment discovery system for Mobile Ad-hoc networks	Cluster computing	March 2018	1386		2.04