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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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Qualification : M. E., Ph.D
Specialization : Applied Electronics
Research Interest : Communication Engineering
Experience in years : **Teaching UG** **PG** **Industry**
No. of Workshop/Conferences/
FDP attended : Workshop Conferences FDP
No. of Workshop/Conferences/
FDP Organized : Workshop Conferences FDP



Professional Membership	ISTE
Publications	National : - 09
	International: 15
	Book : ----
Research Funded Projects	IEDC : 02, Consultancy Projects : 03
Patents	One (Filed)
Achievements	Project Coordinator : SATHYABAMASAT (Nanosatellite) Best Teacher Award (3 Times)
Any Other Information	

PUBLICATIONS

INTERNATIONAL JOURNALS

- [1] A.Shadrach Jeyasekaran,K.PalaniKumar and **S.Rajajaran**, "**Numerical and experimental analysis on tensile properties of banana and glass fibers reinforced epoxy composites**" **Sadhana** (Journal published by Indian Academy of Sciences)Vol. 41, No.11, November 2016, pp. 1357–1367.
- [2] L.M.I. LeoJoseph and **S.Rajajaran**, "**Reconfigurable computing architecture of fuzzy controller for vision enhancement in night surveillance robot**", International Journal of Business Intelligence and Data Mining, DOI: 10.1504/IJBIDM.2017.10004692.
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- [4] **S.Rajajaran** and J.Raja, "**Studies on the Morphological, Thermal and Resistivity Properties of Recycled Poly (Ethylene Terephthalate) Composites with Nanoclay Fillers**", International Journal on Intelligent Electronic Systems(ISSN 0973-9238), Vol.3. No.1, Jan 2009,pp.31-35.
- [5] **S.Rajajaran** and J.Raja, "**Comparative study of Square and Hexagonal Plate MEMS Variable capacitors**", CIIT International Journal of Programmable Device Circuits and Systems (ISSN 0974-973X), Vol.1. No.6, Sep 2009, pp.121-128.
- [6] **S.Rajajaran** and J.Raja, "**Comparative study of PET nano composite dielectric materials to be used as power cable insulators**", International Journal of Applied Sciences and Nano Technologies, Issue-January 2012,On-Print.
- [7] **S.Rajajaran** and M.Sugadev,"**On board communication subsystem for Sathyabama University Nanosatellite**", Recent Advances in Space Technology Services & Climate Change (IEEE), pp.143, Digital Object Identifier:10.1109/RSTSCC.2010.5712836.

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- [11] **S.Rajarajan** and M.Sugadev, "**Design of Spectrometry Based Pollution Monitoring Nano Satellite**", Proceedings of International Small Satellites and Systems Conference (ISSSC-1) conducted by ISRO on 28-04-10.
- [12] **S.Rajarajan** and J.Raja, "**Numerical Modeling of the double-gated Carbon Nanotube Field Effect Transistors**", Proceedings of International Conference on Emerging Scenarios in Space Technology and Applications, ESSTA 2008, Nov 2008, Vol.II, pp.670 - 677.
- [13] **S.Rajarajan** and S.Renukadevi, "**Development of LU-Factorization Hardware Interpreter**", Proceedings of International Conference on Emerging Scenarios in Space Technology and Applications, ESSTA 2008, Nov 2008, Vol.II, pp.524-531.
- [14] **S.Rajarajan** and Nagaraju Arathuyala , "**Implementation of Single Electron Tunneling Transistor and its Applications**", Proceedings of International Conference on Intelligent Electronic Systems, TIES 2007, Vol.2, Nov 2007, pp.686-689.
- [15] **S.Rajarajan** and K.Raja, "**Augmenting Class Room Learning with Automated Capture in Pervasive Environment**", Proceedings of International Conference on Emerging Scenarios in Space Technology and Applications, ESSTA 2008, Nov 2008, Vol.II, pp.637-642.
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- [21] **S.Rajarajan** and Suneel Kumar Reddy,"**Effect of MWNT on Mechanical,Thermal & Morphological properties Of PBT/PC Blend Nano composites**", National Conference NAKNOW FIESTA 2K11, Nanoscience And Technology Laboratories, Department of Mechanical Engineering, Mepco Schlenk Engineering College, Sivakasi, March 8th And 9th, 2011.
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