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| **Dr. M. Ranjeeth** |  |
| **Qualification : Ph. D.**  |
| **Experience: 1 YEAR experience in teaching.** **6 YEARS experience in research.** |
| **Area of Interest:** **Wireless communication, cognitive radio, fading channels** |
| **Subjects Taught: Electronic circuit analysis, coding techniques, microwave engineering, IC applications.** |
| **RESEARCH PUBLICATIONS:** **INTERNATIONAL CONFERENCES:**M.Ranjeeth and S.Anuradha, (**First Author**) ``Network Utility Function Performance Analysis Using Cooperative Spectrum Sensing Network over Fading Channels,'' **Fourteenth International INDICON conference**, Dec.15-17, 2017, IIT-Roorkee. **(IEEEXplore) DOI: https://doi.org/**[**10.1109/INDICON.2017.8487546**](https://doi.org/10.1109/INDICON.2017.8487546)M.Ranjeeth, S.Anuradha, SipraBehera, (**First Author**) “Optimization of cooperative spectrum sensing network with multiple antennas in Weibull fading channel with Improved energy detector,” **5th IEEE conference on ICCSP**, April 6-8, 2016, pp. 1363-1367, Chennai, India. **(IEEEXplore) DOI: https://doi.org/**[**10.1109/ICCSP.2016.7754375**](https://doi.org/10.1109/ICCSP.2016.7754375)M.Ranjeeth, S.Anuradha, SipraBehera, (**First Author**) “Optimization of cooperative spectrum sensing network with multiple antennas in Nakagami-m fading channel with Improved energy detector,” **5th IEEE conference on ICCSP**, April 6-8, 2016, pp. 1410-1414, Chennai, India. **(IEEEXplore) DOI: https://doi.org/**[**10.1109/ICCSP.2016.7754387**](https://doi.org/10.1109/ICCSP.2016.7754387)M.Ranjeeth, S.Anuradha, Sipra behera, (**First Author**) “Performance analysis and threshold selection in cooperative spectrum sensing using soft decision techniques,” **ICEEOT-2016**, March 3-5, 2016, pp.2412-2417, Chennai, India. **(IEEEXplore)****DOI: https://doi.org/**[**10.1109/ICEEOT.2016.7755126**](https://doi.org/10.1109/ICEEOT.2016.7755126)M.Ranjeeth, Sipra behera, N.Srinivas, S.Anuradha, (**First Author**) "Optimization of cooperative spectrum sensing based on improved energy detector with selection diversity in AWGN and Rayleigh fading," **ICEEOT-2016**, March 3-5, 2016, pp.2402-2406, Chennai, India. **(IEEEXplore) DOI: https://doi.org/**[**10.1109/ICEEOT.2016.7755124**](https://doi.org/10.1109/ICEEOT.2016.7755124)S.Anuradha, M. Ranjeeth, “Rank based Censoring of Cognitive Radios with Cooperative Spectrum Sensing under Hoyt Fading Channel” **Int. Conf. on iCATccT 2015**, Oct 29-31, BIET, pp. 625-630, Bengaluru, India. **(IEEEXplore)** **DOI: https://doi.org/**[**10.1109/ICATCCT.2015.7456960**](https://doi.org/10.1109/ICATCCT.2015.7456960)M.Ranjeeth, S.Anuradha, “Cooperative Spectrum Sensing with Square Law Combining Diversity Reception,” **Third International Conf. on Signal processing, Communication and Networking, ICSCN**, 2015. **(IEEEXplore)****DOI: https://doi.org/**[**10.1109/ICSCN.2015.7219876**](https://doi.org/10.1109/ICSCN.2015.7219876)M.Ranjeeth, S.Anuradha, “Performance of Fading Channels on Energy Detection Based Spectrum Sensing,” **2nd Int. Conf. on CNT**, October 17-18, pp.361-370, Hyderabad, India. (**Elsevier Proceeding**) **DOI:** [**https://doi.org/10.1016/j.mspro.2015.06.067**](https://doi.org/10.1016/j.mspro.2015.06.067)M.Ranjeeth, S.Anuradha, “Threshold based censoring of CRs in fading channel with perfect channel estimation,” CROWNCOM-2016, May 30-June 1, pp. 220-231, Grenoble, France. **(Book Chapter, Springer Proceedings) DOI: https://doi.org/10.1007/978-3-319-40352-6**M. Ranjeeth, S.Anuradha and  I. Rahul Dev, “Maximizing Network Utility Function in Cooperative Spectrum Sensingover Fading Channels” **ICSSP-2018**, 3-5 April, Chennai. **(IEEExplore)****INTERNATIONAL JOURNALS:*** M.Ranjeeth, S.Anuradha, (**First Author**) “The Effect of Weibull Fading Channel on Cooperative Spectrum Sensing Network Using an Improved Energy Detector,” ***Telecommunications Systems,*** ***Springer***, ISSN: 1018-4864 (Print) 1572-9451 (Online), July-2018, vol.68 (3), pp. 493-512. **(SCI) DOI: https://doi.org/10.1007/s11235-017-0405-1**

M. Ranjeeth, S.Anuradha, (First Author) “Throughput Analysis in Proposed Cooperative Spectrum Sensing Network with an Improved Energy Detector scheme over Rayleigh Fading Channel,” *International Journal of Electronics and Communications,* AEU Journal, Elsevier, ISSN: 1434-8411, Jan-2018, Vol. 83, pp.416-426. (SCI) DOI: <https://doi.org/10.1016/j.aeue.2017.09.008>M. Ranjeeth, S.Anuradha, N Srinivas, (**First Author**) “Performance Analysis of Cooperative spectrum Sensing Network Using Optimization Technique in Different fading channels,” ***Wireless Personal Communications****,* ***Springer***, ISSN: 0929-6212 (Print) 1572-834X (Online), Nov-2017, Vol. 97 (2), pp.2887-2909. **(SCI) DOI: https://doi.org/10.1007/s11277-017-4640-2*** M.Ranjeeth, S.Anuradha,(**First Author**) “Threshold based censoring of Cognitive Radios in Rician Fading Channel,” *W****ireless Personal Communications***, ***Springer***, ISSN: 0929-6212 (Print) 1572-834X (Online), June-2016, Vol.93 no.2. pp. 409-430. **(SCI)**
* **DOI: https://doi.org/10.1007/s11277-016-3440-4**

M.Ranjeeth, S.Anuradha, N. Srinivas, (**First Author**) “Optimization Analysis of Improved energy detection based cooperative spectrum sensing in Nakagami-m and weibull fading channels,” ***Journal of engineering science and technology review***, ISSN: 1791-2377, June-2017, Vol.10 (2), pp. 114-121. **(Scopus indexed)** **DOI: https://doi.org/10.25103/jestr.102.14**M.Ranjeeth, S.Anuradha, (**First Author**) “Maximization of Network Utility function in Cooperative Spectrum Sensing using Energy Detection Scheme,” ***Indian Journal of Science and Technology***, Print ISSN : 0974-6846, Online ISSN : 0974-5645, Dec-2016, Vol. 9 (SI), pp.1-4. **(Scopus indexed) DOI**: **https://doi.org/**[**10.17485/ijst/2016/v9iS1/107908**](http://dx.doi.org/10.17485/ijst/2016/v9iS1/107908)S.Anuradha, M.Ranjeeth, (**First Author**) “Performance of Nakagami-m Fading Channel over Energy Detection Based Spectrum Sensing,” **World Academy of Science, Engineering and Technology, International Jou­­­­­rnal of Electrical, computers, Electronics and Communications Engineering**, May 2014, Vol. 8, no.10, pp.1598-1602. **(Scopus indexed) DAI:** [**urn:dai:10.1999/1307-6892/9999732**](http://scholar.waset.org/1307-6892/9999732)M. Ranjeeth, A. Chandra, (**First Author**) “Performance of RS-Coding on Fading Channels,” **International Journal of Systems Algorithms and Applications**, Vol.3, pp.72-78, May-2013, **ISSN Online: 2277-2677**. |
| **Achievements:** * Got thirty four (34) citations for my research work.
* *h-index* for my research work is**four (4)
* Got the scholarship from the MHRD during M.Tech Thesis.

 * Got school **First**, Inter College **First**, M.Tech Class **Fifth** Position.
* Got All India 2378 rank GATE-2011

 (Graduate Test in Engineering) out of 1,37,853. * + Got Travel Grant from DST-SERB to attend the conference in France

**Workshops/Seminars/FDP’s Attended:**1. Attended an exclusive Two-day workshop on “**Research**

**Methodology and Scholarly Writing Skills**” conducted bySC/ST Cell at NIT Warangal-2013.1. Attended an exclusive Two-day workshop on “**Introduction**

**to Open Source Software Systems**” conducted by Dept. of Electronics & Communication Engineering at NIT-Warangal 2013.1. Attended Four-day Summer Training Camp on **Cognitive**

 **Radio: Fundamentals and Implementation** Issues conducted  by Department of Electronics and Communication Engineering  at NIT Kurukshetra-2014.1. Attended Five-day FDP programme on **Signal Processing for Communications** conducted by E&ICT in Department of Electronics and Communication Engineering at NIT Warangal, Jan-2016.
2. Attended Five-day FDP programme on **Digital Communication and FEC coding Techniques** conducted by E&ICT in Department of Electronics and Communication Engineering at NIT Warangal, April-2016.
3. Attended Two-day **Research Conclave** NIT Warangal, March-2017.
4. Coordinator for Three days National Conference on **Recent Advances in Communication & Electronics Engineering (RACEE)**, Conducted by Department of Electronics and Communication Engineering at NIT Warangal, October-2016.

**Achievements****Academic Achievements Summary**1. Research Projects : 1 (submitted)
2. Research Publications : **18**
3. In SCI Indexed Journals : 4
4. In Scopus Indexed Journals : 4
5. In International Conferences : 10
6. In National Conferences : 0
7. Book Publications : 1 ongoing
8. Book Chapters : 1 chapter published by springer Publishers

**Acting as Reviewer of International Journals**1. KSII Transactions on Internet and Information Systems (SCI Indexed)
2. IEEE express, IEEE (SCI Indexed)
3. AEU Journal, Elsevier (SCI Indexed)
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