

CURRICULUM VITAE



1. Name: Dr. Rajeev Kumar Parida

2. Designation: Assistant Professor in Electronics & Telecommunication

3. Qualification:

- **Ph. D. (Electronics Science):** 2023 (Berhampur University, Berhampur)
Topic: “Some Studies on Antenna Design for Cognitive Radio”
- **M.Tech. (Electronic Information System):** 2016 (Berhampur University, Berhampur)
- **M.Sc. (Cyber Security):** 2024 (Open University, Sambalpur)
- **M. Sc. (Electronics Science):** 2014 (Berhampur University, Berhampur)
- **B.Sc. (Electronics):** 2012 (Prananath Autonomous College, Khordha)

4. Office Email: bjbcollege.rkp@gmail.com

Personal Email: rkparida91@gmail.com

5. Area of interest:

- Signal Processing, Electromagnetics, Communication, Antenna

6. Area of research:

- Antenna
- Signal Processing

7. Teaching Area:

- **UG:** Applied Physics, Basic Electronics, Material Science, Network Theory, Communication System, Multimedia Techniques.
- **PG:** Electromagnetic Theory, Microwave Technology & Radar, Digital Signal Processing, Embedded System.

8. Total No. of Teaching Experience (Years):

- **UG:** 3 Year
- **PG:** 3 Year

9. Research Supervision: Not Yet

10. Publication Profile:

Research Articles Published:

[1] **R. K. Parida**, R. K. Mishra, N. K. Sahoo, A. Muduli, D. C. Panda, and R. K. Mishra, “A Hybrid Multi-Port Antenna System for Cognitive Radio,” Progress In Electromagnetics Research C, vol. 106, pp. 1–16, 2020, doi: 10.2528/PIERC20052706.

[2] **R. K. Parida**, R. Swain, D. C. Panda, and R. K. Mishra, “A Broadband High Gain Circularly Polarized Antenna System for Cognitive Radio,” Radioengineering, 2020. doi: 10.13164/re.2020.0486.

[3] **R. K. Parida**, A. K. Sahu, D. K. Naik, P. Raiguru, D. C. Panda, and R. K. Mishra, “Compact reconfigurable antenna system for spectrum interweaved cognitive radio,” International Journal of RF and Microwave Computer Aided Engineering, p. e23183, doi: 10.1002/mmce.23183.

- [4] **R. K. Parida**, A. K. Sahu, and D. C. Panda, “Recent Development and Progress on Reconfigurable Antenna System for Cognitive Radio: A Review,” *Research Journal of Berhampur University*, vol. III, 2021.
- [5] **R. K. Parida**, and D. C. Panda, “A Compact Antenna System for Cognitive Radio Using U-Slotted Patch and Quad-Band Reconfigurable Monopole,” *International Journal of Information Technology*, Springer, 2023.
- [6] **R. K. Parida et al.**, “A Compact Isolated CR Antenna System for Application in C-Band,” *International Journal of Antennas and Propagation*, Hindawi, 2024.
- [7] N. K. Sahoo, A. Gouda, R. K. Mishra, **R. K. Parida**, D. C. Panda, and R. K. Mishra, “Electromagnetic scattered field time series from finite difference time domain trained time delay neural network,” *International Journal of RF and Microwave Computer-Aided Engineering*, vol. 30, no. 11, p. e22410, 2020, doi: 10.1002/mmce.22410.
- [8] P. Raiguru, A. K. Sahu, A. Gouda, **R. K. Parida**, N. K. Sahoo, D. C. Panda and R. K. Mishra, “Hole-Free DCA for Augmented Co-Prime Array,” *Circuits Syst Signal Process*, vol. 41, no. 5, pp. 2977–2987, May 2022, doi: 10.1007/s00034-021-01909-0.
- [9] D. K. Naik, A. K. Sahu, **R. K. Parida**, P. Raiguru, D. C. Panda, and R. K. Mishra, “Design of a broadband U-slot loaded E-shaped patch antenna using characteristic mode analysis,” *AEU - International Journal of Electronics and Communications*, vol. 154, p. 154310, Sep. 2022, doi: 10.1016/j.aeue.2022.154310.
- [10] A. K. Sahu, **R. K. Parida**, and D. C. Panda, “Capacitive Tuning of High Selective T-shaped Band Stop Filter: Theory and Experiment,” *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, 2024.

11. Paper presented in Conferences/Seminars

- [1] **R. K. Parida**, N. K. Sahoo, R. Swain, S. Swain, and D. C. Panda, “Comparative Study of a Novel UWB Antenna for Application in Cognitive Radio,” in 2018 International Conference on Applied Electromagnetics, Signal Processing and Communication (AESPC), Oct. 2018, vol. 1, pp. 1–4. doi: 10.1109/AESPC44649.2018.9033315.
- [2] **R. K. Parida**, A. Kumar Sahu, D. K. Naik, N. K. Sahoo, D. C. Panda, and A. Muduli, “A UWB and Multiband Reconfigurable Antenna for Application in Cognitive Radio,” in 2019 IEEE Indian Conference on Antennas and Propagation (InCAP), Dec. 2019, pp. 1–3. doi: 10.1109/InCAP47789.2019.9134475.
- [3] **R. K. Parida**, A. Muduli, D. C. Panda, and D. K. Nayak, “Integrated Multi-Operational Antenna System Design for CR Applications,” *IOP Conf. Ser.: Mater. Sci. Eng.*, vol. 1187, no. 1, p. 012006, Sep. 2021, doi: 10.1088/1757- 899X/1187/1/012006.
- [4] N. K. Sahoo, **R. K. Parida**, and D. C. Panda, “Comparison of Numerical Methods in RCS Computation of Corner Reflectors,” in 2018 International Conference on Applied Electromagnetics, Signal Processing and Communication (AESPC), Oct. 2018, vol. 1, pp. 1–3. doi: 10.1109/AESPC44649.2018.9033445.
- [5] N. K. Sahoo, **R. K. Parida**, and D. C. Panda, “A Case Study on using CPML and PML Boundary Conditions in FDTD for RCS Calculation,” in 2018 International Conference on Applied Electromagnetics, Signal Processing and Communication (AESPC), Oct. 2018, vol. 1, pp. 1–3. doi: 10.1109/AESPC44649.2018.9033411.
- [6] R. Swain, R. K. Mishra, R. Kishore Mishra, S. Nanda, and **R. K. Parida**, “A Low RCS Meta-reflector,” in 2019 IEEE Indian Conference on Antennas and Propagation (InCAP), Dec. 2019, pp. 1–3. doi: 10.1109/InCAP47789.2019.9134465.
- [7] A. K. Sahu, **R. K. Parida**, R. K. Mishra, D. K. Naik, and D. C. Panda, “Extraction of DMTL Equivalent Circuit Parameters Using SMPSO,” in 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), Dec. 2020, pp. 215–218. doi: 10.1109/WIECON-ECE52138.2020.9397931.

[8] D. K. Naik, A. K. Sahu, **R. K. Parida**, D. C. Panda, and R. K. Mishra, “Knowledge-Embedded MGGP Model for Resonant Frequency of Microstrip Antenna,” in 2021 IEEE 2nd International Conference on Applied Electromagnetics, Signal Processing, Communication (AESPC), Nov. 2021, pp. 1–3. doi: 10.1109/AESPC52704.2021.9708521.

[9] S. Pani, A. K. Sahu, D. K. Naik, **R. K. Parida**, and D. C. Panda, “Metasurface for Independent Control of Reflection Amplitude,” in 2021 IEEE 2nd International Conference on Applied Electromagnetics, Signal Processing, Communication (AESPC), Nov. 2021, pp. 1–3. doi: 10.1109/AESPC52704.2021.9708485.

[10] A. K. Sahu, **R. K. Parida**, D. K. Naik, S. Pani, and D. C. Panda, “Ku-Band Tunable Bandstop Filter using RF MEMS,” in 2021 IEEE 2nd International Conference on Applied Electromagnetics, Signal Processing, Communication (AESPC), Nov. 2021, pp. 1–3. doi: 10.1109/AESPC52704.2021.9708463.

Invited Lectures/Special Lectures/Resource persons or presentation at Conferences/ Workshops:

1. **Workshop:** Half-Day Workshop-NI LabVIEW & NI EIVIES II held at New Conference Hall on 17.04.2017, Berhampur University, Berhampur.

12. Awards and Distinctions

- **Best Graduate Gold Medal (2012) in all Stream (Science, Commerce and Arts)** for securing highest marks in B. Sc. of Pranath Autonomous College, Under Utkal University, Khordha.
- **University Gold Medal for Year 2014** for securing highest marks in P.G. (Electronic Science) Examination of Berhampur University, Berhampur.
- **University Topper for Year 2014** for securing highest marks in M.Tech. (Electronic Information System) Examination of Berhampur University, Berhampur.
- **Qualified All India Zonal Electromagnetic Olympiad (Rank-53)** organized by IEEE.

13. Association with Professional Bodies

- IEEE
- Reviewer of Advanced Electromagnetics (AEM) Journal.
- Reviewer of Bulletin of Electrical Engineering and Informatics (BEEI) Journal.