

Curriculum Vitae

Personal Information

Name : Dr. Somen Bhattacharjee

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Educational Qualifications

Degree	Institute/Board	Year
PhD	IIT Guwahati	2016
M.Tech	NIT Durgapur	2010
B.Tech	WBUT	2006

Experiences

Assistant Professor, IIIT Dharwad, Karnataka (18th July, 2018 – Till Date)

Assistant Professor, Techno India University, Kolkata (4th May, 2017 – 30th June,2018)

Awards and Achievements

- Awarded institute scholarship for PhD, IIT Guwahati (2011–2016)
- Awarded Ministry of Human Resource Development (MHRD) scholarship for M.Tech, NIT Durgapur (2008–2010)
- Qualified Graduate Aptitude Test in Engineering (GATE 2008)

Research Interests

- Electromagnetic Field Theory, Antennas, Microwave and Numerical Electromagnetics

Review Boards

- Reviewer of International Journal of Electronics and Communication (Elsevier)
- Reviewer of IET Microwave Antenna & Propagation

- Reviewer of Applied Computational Electromagnetics Society Journal
- SPCOM 2016 (Biennial Conference organized by IISc, Bangalore)

Skills

- Operating platform: Windows
- Computational tools: MATLAB and Mathematica
- Editing tools: MS office and LaTeX
- Electromagnetic Software: HFSS, CST Microwave Studio

Publications

Journals:

1. **S. Bhattacharjee**, R. S. Kshetrimayum and R. Bhattacharjee, "On the equivalent circuit, input impedance, reflection coefficient and bandwidth of printed monopole antenna," *Microwave and Optical Technology Letter*, Wiley, 57 (7), pp. 1535–1538, 2015.
2. **S. Bhattacharjee**, R. S. Kshetrimayum and R. Bhattacharjee, "Derivation of potential Green functions for ungrounded dielectric slab and its application in full wave analysis of PMAs," *Journal of Electromagnetic Waves and Applications*, Taylor & Francis, 29 (16), pp. 2242–2256, 2015.
3. **S. Bhattacharjee**, R. S. Kshetrimayum and R. Bhattacharjee, "Printed monopole antennas on uniaxial substrate: Theory and Simulation," *Electronics Letters*, 52 (10), pp. 796–798, 2016.
4. **S. Bhattacharjee**, R. S. Kshetrimayum and R. Bhattacharjee, "On the Theoretical Analysis of Radiation Pattern and Gain of Printed Monopole Antennas," *Applied Computational Electromagnetics Society Journal*, 32 (9), pp. 842–847, 2017.
5. S. Chaudhuri, M. Mishra, R. S. Kshetrimayum, R. K. Sonkar, **S. Bhattacharjee**, B. Saha, "High port-to-port isolation dual circularly polarised microstrip patch antenna with multifunction DGS," *IET Microwave Antennas & Propagation*, 14 (15), Dec 2020, pp. 2035 – 2044.
6. **S. Bhattacharjee** and B. Kumbhani, "Enhancement of Beam width and Side lobe level Reduction using PEC Ground Plane in Antenna Array," *Wireless Personal Communication*, Springer, submitted.

Conferences:

1. **S. Bhattacharjee**, R. S. Kshetrimayum and R. Bhattacharjee, "Bandwidth enhancement of Printed Monopole Antennas using Magneto-dielectric cover," IEEE Applied Electro Magnetic Conference (AEMC), 2015.
2. **S. Bhattacharjee**, S. Das, D. Mandal, A. K. Bhattacharjee, "Performance of Linear Arrays with Travelling Wave Current Distribution," IEEE International Conference on Devices and Communications (ICDeCom-11), 2011.
3. **S. Bhattacharjee**, S. Das, and D. Mandal, "An Exact Solution of Electromagnetic Field in Far Zone Radiated by Contra Wound Toroidal Helical Antenna," IEEE International Conference on Recent Trends in Information, Telecommunication and Computing, (ITC 10), 2010.

References

1. Dr. Rakesh Singh Kshetrimayum (PhD Supervisor) Professor
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