

RESUME



Vivek Kumar Srivastava

DOCTOR OF PHILOSOPHY (FUNDING- PRIME MINISTER RESEARCH FELLOWSHIP)
RESEARCH TOPIC- WIRELESS POWERING OF BIOMEDICAL IMPLANTS AND THE WIRELESS ENDOSCOPY CAPSULE.
DEPT. OF ELECTRICAL ENGINEERING
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CAREER OBJECTIVE

To obtain a challenging position in a high quality engineering environment where my resourceful experience and academic skills will add value to organizational operations.

EDUCATIONAL QUALIFICATIONS

Year of Passing	Degree	Institute	Percentage/CGPA
2018	M.Tech in Renewable Energy & Energy Management	National Institute of Technology, Arunachal Pradesh	CGPA 8.96/10.0
2015	B.Tech in Electrical & Electronics Engineering	United Institute of Technology, Allahabad	76.02%
2010	Class 12 th - State Board, Uttar Pradesh	JCIC, Allahabad	78.20%
2008	Class 10 th - State Board, Uttar Pradesh	SVNIC, Allahabad	61.50%

PUBLICATIONS

- V. K. Srivastava, A. Sharma, and A. Bharadwaj, "A Planar Distributed Multi-coil Antenna to Generate 3-D Ellipsoidally Polarized H-field for Angular Misalignment Tolerant WPT System " accepted in *IEEE Transactions on Antennas and Propagation*.
- A. Bharadwaj, V. K. Srivastava, A. Sharma, and C. C. Reddy, "A Switchable Multi-Coil Antenna With Booster Coil to Improve Coverage in WPT Systems " accepted in *IEEE Transactions on Antennas and Propagation*.
- V. K. Srivastava and A. Sharma, "Optimized 3D Polarized H-field Forming for Orientation-Insensitive Wireless Power Transfer Systems," in *IEEE Transactions on Antennas and Propagation*, doi: 10.1109/TAP.2021.3060140.
- A. Sharma, A. Bharadwaj, and V. Srivastava. "An Analytical Framework to Design Planar Array Antennas to Mitigate Lateral Misalignment in the Wireless Power Transfer Systems" in *IEEE Transaction on Antennas and Propagation*, doi: 10.1109/TAP.2021.3069518. 2021.
- V. K. Srivastava, S. Kumar and A. Sharma, "3D Polarized Field-Forming for Mitigation of Angular Misalignment Problem in Microwave Power Transfer Systems," *2021 IEEE 19th International Symposium on Antenna Technology and Applied Electromagnetics (ANTEM)*, 2021, pp. 1-2, doi: 10.1109/ANTEM51107.2021.9518942.
- V. K. Srivastava, A. Sharma and A. Bharadwaj, "A Magnetic Resonance Coupling Based Touchless Pad for Human-Computer Interfacing," *2020 IEEE 15th International Conference on Industrial and Information Systems (ICIIS)*, 2020, pp. 601-605.
- A. Bharadwaj, V. K. Srivastava, A. Sharma and C. C. Reddy, "A Novel Trapezoidal Multi-Coil Antenna for Wireless Charging of Electric Vehicles," *2020 IEEE 15th International Conference on Industrial and Information Systems (ICIIS)*, 2020, pp. 13-17.
- R. Pudur and V. K. Srivastava, "Performance Study of Electronic Load Controller for Integrated Renewable Sources," *2018 2nd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech)*, Kolkata, 2018, pp. 1-6, doi: 10.1109/IEMENTECH.2018.8465144.

PATENT

- A. Bharadwaj, V. K. Srivastava, A. Sharma and C. C. Reddy, "TITLE: DUAL-MODE ANTENNA WITH NON-UNIFORM COIL ARRAY FOR WIRELESS POWER TRANSMISSION AND METHOD THEREOF. (Patent filled with Indian office on 25-03-2021: Application No. 202111013157)

AWARDS/FELLOWSHIP

- Received "**Best Paper Award**" for the paper "A Magnetic Resonance Coupling Based Touchless Pad for Human-Computer Interfacing" in 15th (IEEE) International Conference on Industrial and Information Systems (ICIIS) 2020.
- Received "**Best Paper Award**" for the paper "A Novel Trapezoidal Multi-Coil Antenna for Wireless Charging of Electric Vehicles" in 15th (IEEE) International Conference on Industrial and Information Systems (ICIIS) 2020.
- Received the prestigious "**Prime Ministers Research Fellowship**".

WORK EXPERIENCES/INTERNSHIPS

- Deliver expert talk on 'Emerging Wireless Communication Technologies' from August 02-06, 2021 organized by ECE Department of NITTTR Chandigarh.
- Eight month working experience as Junior Research Fellow (JRF) in Antenna & Microwave Research Lab, EE Department, IIT Ropar from (May 2019- Dec2019) in the project of "Misalignment mitigation in wireless power transfer system in near field application".
- One month industrial visit in Feroze Gandhi Unchahar Thermal Power Plant (NTPC) Unchahar, Raebareli from June 2014 to July 2014.
- One month industrial visit in ALSTOM T & D India Limited Naini, Allahabad from July 2013 to August 2014.
- One month industrial automation training from SOFCON (IND.) PVT. LTD. Lucknow from June 2013 to July 2013.

TECHNICAL SKILLS

- Softwares- MATLAB, Ansys Maxwell, Latex, VISIO, and PLC and SCADA software.
- Computer Applications- Microsoft Word, Microsoft Power Point, computer basics.

AREA OF INTEREST

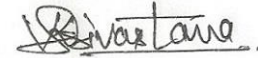
- Electromagnetic Field Theory
- Microwave Engineering

PERSONAL PROFILE

Father's Name: Mr. Rajesh Kumar Srivastava
Mother's Name: Mrs. Deepa Srivastava
Date of Birth: 21 Aug 1992
Permanent Address: Plot no. 34 Ganpat Society, Dandi, Allahabad
Hobbies: Net surfing and Reading
Languages known: English and Hindi

DECLARATION

I hereby solemnly affirm that all the details provided above are true to the best of my knowledge.



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Vivek Kumar Srivastava