



# भारतीय प्रौद्योगिकी संस्थान रुड़की Indian Institute of Technology Roorkee

## HYDRO AND RENEWABLE ENERGY DEPARTMENT

Advt. No. HRED/PDF/DR

Dated: 7<sup>th</sup> July 2022

### ADVERTISEMENT FOR POSTDOCTORAL FELLOWSHIP POSITION

The Department of Hydro and Renewable Energy at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for a postdoctoral position under the mentorship of **Prof. Deepak Ronanki** focused on “**Grid-interactive Solar Photovoltaic Powered Dynamic Wireless Charging Systems for Transportation Electrification**”.

The prospective candidate is expected to have a strong background in the area of power electronics and control systems with experimental skills. The candidate should be passionate about working on cutting-edge research leading to high-impact publications. Apart from research activities under the above project, the candidate will be entrusted with other projects and academic responsibilities as deemed fit by the PI and the department.

**Last date for the submission of the application by email is 17<sup>th</sup> August 2022**

**Essential qualifications:** Ph.D. in Electrical Engineering with a specialization in Power Electronics/Motor drives or Equivalent from any of the premier or government institutes of the country.

**Desirable qualifications:**

- At least one research papers published as the first (or corresponding) author in IEEE Transactions/IET Journals based on the Ph.D. research work
- Should have hardware knowledge in power electronic converters and digital controllers
- Candidates who have defended their Ph.D. thesis in the previous three years may be preferred

**Candidates must mention their Ph.D. thesis title clearly in their application and cover letter.**

*\* Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they should furnish proof of the award of a Ph.D. degree at the time of interview at IIT Roorkee if shortlisted*

**Duration and Fellowship amount:**

The duration of the fellowship will be 2 years extendable by one more year. The Fellowship may be terminated by either side by giving one-month notice. A consolidated fellowship of Rs. 55,000.00 per month for the first 2 years and Rs. 60,000.00 per month for the third year and a contingency of Rs. 50,000.00 per annum will be awarded to Post-Doctoral Fellows.

**How to Apply:**

Candidates should clearly mention Advt. No. and date with the title of the position applying for with a covering letter, curriculum vitae, list of publications, a research statement describing past research experience and future research plans in a single PDF file named “**Candidate Name Institute of Ph.D. Degree Year of Ph.D.**” by e-mail, to:

Head,

Hydro and Renewable Energy (HRED)  
Indian Institute of Technology Roorkee  
Roorkee – 247667, Uttarakhand, INDIA

Email: [head@hrc.iitr.ac.in](mailto:head@hrc.iitr.ac.in) and copy to [dronanki@hrc.iitr.ac.in](mailto:dronanki@hrc.iitr.ac.in)

Contact No.: (+91 1332) 285213 / 5913;

**Notes:**

- (i) The applications are to be submitted through email only, **no hard copy** of the application is required.
- (ii) **Applications received after the last date (i.e., 17<sup>th</sup> August 2022) shall not be considered.**
- (iii) Post-Doctoral Fellows will be registered as students and may avail facilities of hostel accommodation, library, computer center, available hospital facilities, etc. Depending upon the availability, they may get shelter accommodation also. They will be entitled to 2.5 days of leave per completed calendar month. No, carry forward for leave will be allowed beyond a calendar year. PDF positions are purely temporary.
- (iv) The candidate called for discussion/interview will be reimbursed Bus/Train (2nd AC) fare from their place of residence/work and return

OR

The interview/discussion will be conducted online.

Further details about the Department and the Research Group can be found at the below links:

**Department of Hydro and Renewable Energy (HRED):**

<https://www.iitr.ac.in/departments/HRE/pages/Home.html>

**PI's profile:** [https://hre.iitr.ac.in/~HRE/Deepak\\_Ronanki](https://hre.iitr.ac.in/~HRE/Deepak_Ronanki)



Head  
प्रो० एम० के० सिंघल/Prof. M. K. Singhal

अध्यक्ष/Head  
Department of Hydro and Renewable Energy (HRED)

विद्युत एवं नवीकरणीय ऊर्जा विभाग  
Department of Hydro and Renewable Energy

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Indian Institute of Technology Roorkee

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