

## Department of Electronics and Communication Engineering

### Indian Institute of Technology, Roorkee

Advt. No. ECE/FDP/ 0023

Date: 5/Feb/2020

#### ADVERTISEMENT FOR THE POST DOCTORAL FELLOWSHIP (PDF) POSITION

The Department of Electronics & Communication Engineering, Indian Institute of Technology (IIT) Roorkee invites applications from outstanding and enthusiastic researchers for postdoctoral position under the mentorship of Prof. Brajesh Kumar Kaushik on "Hybrid Plasmonic-photonics waveguide for Optical Interconnects". The prospective candidate is expected to have a good knowledge about Hybrid plasmonic- Photonics waveguide and ability to use COMSOL and Lumerical FDTD tools. Candidate should be passionate about working on cutting edge research leading to high impact publications and products. The working of clean room environment for fabrication of Hybrid plasmonic photonic waveguide is desirable.

Last date for submitting the soft copy or hardcopy of the application is 21-Feb-2020. Application received after this date will not be considered.

Minimum qualification and experience:

a) Essential qualifications/Specialization\*

The prospective candidate should have PhD in Electronics & Communication Engineering/Fiber optics/Applied optics/Optical communication/photonics/nanophotonics/opto electronics.

Desirable Qualification: Post doctoral experience in design, simulation and fabrication and characterisation of dielectric/ plasmonic Nano-photonics device for sensing/ communication applications.

\*Candidates who have recently submitted their doctoral thesis are also eligible to apply subject to the condition that they will furnish the proof of award of Ph.D. at the time of interview.

Duration and Fellowship amount: The duration of the fellowship will be of two years extendable for one more year, if necessary. The candidate is expected to join the department as soon as the offer letter has been released. The fellow will receive a consolidated pay as below in addition to the contingency grant of Rs. 50,000/- per annum.

First year: Rs. 55,000/- per month

Second year: Rs. 55,000/- per month

How to apply:

Candidates can apply with a cover letter, curriculum vitae, list of publications (with their respective impact factor); and research statement describing past research and plans for future research, by either regular (Speed post) or e-mail to: bkk23fec@iitr.ac.in

Dr. Brajesh Kumar Kaushik  
Associate Professor  
Department of Electronics & Communication Engineering  
Indian Institute of Technology Roorkee  
Roorkee-247667 India  
Email: bkk23fec@iitr.ac.in  
Phone: +91-1332-285662

Notes: (i) All the postdoctoral fellows (PDF) will be registered as IIT Roorkee students for availing the facilities of accommodation, hospital, medical insurance scheme, computer center, library, sports, etc.

(ii) The candidates called for presentation/discussion/interview will be paid Bus/II-AC train fare from their place of residence/work and back by the shortest route within India.

B. Kaushik  
(B.K. KAUSHIK)

25938  
5-2-2020

Dean of Faculty Affairs

In response to the approval of Post Doctoral Fellow position, please find attached the advertisement.

B. Kaushik  
On 2/2/2020  
Brajesh Kumar Kaushik

ECE, IITR

Forwarded  
2/2/20  
विभागाध्यक्ष/Prof. & Head  
विद्युत एवं संचार इंजीनियरिंग विभाग  
Department of Electronics & Communication Engg.  
भारतीय प्रौद्योगिकी संस्थान, रुड़की  
Institute of Technology, Roorkee

Handwritten signature  
Circular stamp: 20/02/2020