इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली

हौज खास, नई दिल्ली -110016

(औद्योगिक अनुसंधान एवं विकास इकाई)

INDIAN INSTITUTE OF TECHNOLOGY DELHI
Hauz Khas, New Delhi-110016
(Industrial Research & Development Unit)

No. IITD/IRD/RP03706G/203785 **Dated: 15/01/2020**

Advertisement No.: IITD/IRD/017/2020

Candidates of Indian nationality are invited to appear for the **Walk-in test / interview** for project appointments under the following project. Appointment shall be on contractual basis on consolidated pay renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत परियोजना की नियुक्तियों के लिए भारतीय राष्ट्रीयता के उम्मीदवारों को वॉक-इन परीक्षा/साक्षात्कार के लिए उपस्थित होने के लिए आमंत्रित किया जाता है। अपॉइंटमेंट वार्षिक आधार पर या परियोजना की अवधि तक समेकित वेतन पर संविदात्मक आधार पर जो भी पहले हो, होगा. The project is related to design of novel laser beams and study of their propagation through randomly fluctuating media such as atmospheric turbulence. Familiarity with advanced concepts such as optical vortices, polarization singularities, and orbital angular momentum states of light is expected. The candidate should also have hands-on experience with optics experiments and computational methods for optical wave propagation.

Title of the Project	Robust laser beam engineering for propagation and imaging through turbulence (JATC-2 Project # 5) (RP03706G)	
Funding Agency	Ministry of Defence	
Name of the Project Investigator	Prof. Kedar Bhalchandra Khare	
Deptt/.Centre	Department of Physics	
Duration of the Project	Upto:28/03/3022	
Post (s)	Consolidated Pay-slab / Fellowship	Qualifications
Project Scientist (1)	Rs.35,400--37,900-40,400-43,600-46,800-50,000/- p.m. plus HRA @ 24%	1st class M.Sc. in Physics plus NET/GATE* qualification with research background in Optics and good understanding of advanced concepts such as random processes, non-uniform polarization, optical vortices and angular momentum states of light (2) Research experience on rigorous modeling of laser beam propagation through atmospheric turbulence (3) Expertise in scientific computing (4) Hands-on experience in optics laboratory, interfacing of opto-electronics devices to computer. *The requirement of qualifying NET/GATE qualification may be relaxed by the Committee in case of highly meritorious candidates
Walk In Test / Date of Interview	Time of Interview	Venue
04/02/2020	11.00 a.m.	Committee Room, Department of Physics, IIT Delhi, Hauz Khas, New Delhi-110016

The candidates who fulfill the above qualifications/experience should appear for the interview. Kindly bring your formal application on Form No. IRD/REC-4, which can be downloaded from IRD Website **(http://ird.iitd.ac.in/rec)** through proper channel along with complete information regarding educational qualifications indicating percentage of marks of each examination passed, details of work experience and a recent passport size photograph, along with original certificates (both academic & professional) for verification on the date of interview. No candidate, who is already employed at the Institute / IRD shall be interviewed unless his/her application has been duly forwarded by their concerned establishment/sections. 5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है. एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा।

In case any clarification is required on eligibility regarding the above post, the candidate **may contact Prof. Kedar Balchandra Khare at e-mail id: kedark@physics.iitd.ac.in**

सहायक कुल्सचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units : It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit
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- Prof. Kedar Balchandra Khare, PI, Department of Physics
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing