

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/RP03700G/104312

Dated:01/05/2019

Advertisement No.: IITD/IRD/081/2019

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा। The project activities includes polarization-entangled photon pair source, orbital angular momentum of light, twisted photons, single photon detection/counting, quantum state tomography. The work area and scope: Experimental quantum optics towards possible demonstration of Quantum Key Distribution.

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|----------------------------------|---|--|
| Title of the Project | Quantum Technologies using Hybrid Photons for Secure Communication & Quantum Information (JATC-02 Project # 2) (RP03700G) | |
| Funding Agency | Ministry of Defence | |
| Name of the Project Investigator | Prof. (Ms.) Joyee Ghosh | |
| Deptt./Centre | Department of Physics | |
| Duration of the Project | Upto:28/03/2024 | |
| Post (s) | Consolidated fellowship / Pay-slab | Qualifications |
| Principal Project Scientist (1) | Rs.56,000-60,000-64,000-69,000-74,000-79,000/- p.m. (consolidated) | Ph.D. in Physics. Experimental Optics / Quantum Optics / Fiber Optics / Quantum Science and Technologies with a good publication record. Good knowledge of Mathematica, Matlab (or other equivalent language) and Labview programming. Knowledge of Solidworks (or equivalent), mode solvers, etc. Adequate knowledge of instrumentation and electronics |

The candidates who are interested to apply for the above post should download **Form No. IRD/REC-4** from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience and statement of purpose etc. **by e-mail with advertisement No. on the subject line to Prof. (Ms.) Joyee Ghosh at her email id: joyee@physics.iitd.ac.in and or by post to Dr. Joyee Ghosh, Department of Physics, IIT Delhi, Hauz Khas, New Delhi-110016.**

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) alongwith the interview details. Only short-listed candidates will be informed. In case any clarification is required on eligibility regarding the above post, the candidate may contact **Prof. (Ms.) Joyee Ghosh at her email id: joyee@physics.iitd.ac.in**

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।

The last date for submitting the completed applications by post or by email is 15/05/2019 by 5.00 p.m. The shortlisted candidates who are called for interview should bring original certificates (both professional and academic) with a recent passport size photograph at the time of interview.

(वीरेंद्र कुमार वशिष्ठ)
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
- Webmaster, IRD : To put advertisement at IITD website.
- Notice Boards
- Advertisement file
- Prof. (Ms.) Joyee Ghosh, PI, Department of Physics
- Copy to Chairperson, DRC/CRC