

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/

1748

Advertisement No.: IITD/IRD/007/2022

Dated: 07/01/2022

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।

Title of the Project	Quantum Technologies using Hybrid Photons for Secure Communication & Quantum Information (JATC-2 PROJECT # 02) (RP03700G)	
Funding Agency	Ministry of Defence	
Name of the Project Investigator	Prof. Joyee Ghosh [email ID:joyee@physics.iitd.ac.in]	
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. plus HRA @ 24%	Ph.D. in Physics: Quantum Science and Technologies with a good publication record/ Quantum Information and Communication/ Experimental Optics/ Quantum Optics/ Fiber Optics. Good knowledge of Mathematica, Matlab (or other equivalent language) and Labview programming. Knowledge of Solidworks (or equivalent), mode solvers, etc. Experience of working with IBM Quantum Computer/ Circuit designs/ Knowledge of instrumentation and electronics. Project Activities:Polarization-entangled photon pair source, orbital angular momentum of light, twisted photons, single photon detection/counting, quantum state tomography.Work area and scope: Experimental quantum optics, towards possible demonstration of Quantum Key Distribution Maximum Age:35 years

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 etc. by e-mail with advertisement No. on the subject line to Prof. Joyee Ghosh at email id:joyee@physics.iitd.ac.in

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 online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof. Joyee Ghosh at 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 The last date for submitting the completed applications by e-mail is 21/01/2022 by 5.00 p.m.

सहायक कुलसचिव, 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. Joyee Ghosh, PI, Department of Physics
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing