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/RP04147G/ 358001 Dated: 29/09/2021

Advertisement No.: IITD/IRD/167/2021

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay subject to periodic performance review, and 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 requires Density Functional Theory based first-principles simulations to predict the Shape-Memory and related functional properties for Aerospace applications. The initial appointment is for one year, with the possibility of extension for one and half more years subject to the satisfactory performance.

Title of the Project	Development of Shape Memory Oxide thin-films for Aerospace applications: Understanding the Phase- Switching behavior, related defect formation, and shape recovery process. (RP04147G)	
Funding Agency	Aeronautics Research & Development Board	
Name of the Project Investigator	Prof. Ratanamala Chatterjee / Prof. Brajesh Kumar Mani Co-PI [email: bkmani@physics.iitd.ac.in]	
Dett./Centre	Department of Physics	
Duration of the project	Upto:04/02/2024	
Post(s)	Consolidated Fellowship	Qualifications
Research Associate-1 (1)	Rs.47,000/-p.m. plus HRA @ 24%	I. Candidate must have completed Ph.D. in the area of theoretical/computational condensed matter physics. In case the PhD degree is not available, a provisional certificate can be submitted. II.The candidate must have experience in first-principles simulations using Density Functional Theory and based methods. The candidate should also have the good knowledge of computer programming. III.The candidate must have prior experience of using DFT based softwares like, VASP, QUANTUMESPRESSO, ABINIT, etc. The knowledge about force-fields based finite temperature simulations is desirable.

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. Brajesh Kumar Mani, Co-PI at email id: bkmani@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. Brajesh Kumar Mani **at email id: bkmani@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। Interested candidates should submit their latest complete CV with the publications and experience details to the email bkmani@physics.iitd.ac.in on or before October 21, 2021.

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. Ratanamala Chatterjee, PI, Department of Physics
- Prof. Brajesh Kumar Mani, Co-PI, Department of Physics
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing