

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

No.: IITD/IRD/RP04378G/152289

Dated: 08/05/2023

CORRIGENDUM

Ref.: Advertisement No.: IITD/IRD/094/2023

Ref.: Advt. No. IITD/IRD/094/2023 published vide No. IITD/IRD/RP04378G/148367 dated 25/04/2023

This refers to the advertisement released for the post of Jr. Research Fellow under the sponsored research project entitled "Coupling Dislocation Dynamics with Discrete Crack Mechanics to study fatigue crack growth in High Entropy Alloys" (RP04378G) in operation under Prof. Sabyasachi Chatterjee Department of Applied Mechanics of this Institute.

The last date of receipt of applications is hereby extended till 24/05/2023.

The other contents of the released advertisement shall remain same.

This has approval of the Competent Authority.

AP/08/05/2023
Assistant Registrar, IRD

Distribution

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|---|---|
| 1. Head of the Deptt./Centres/Units → | It is requested that the corrigendum in respect of above Advt. be brought to the notice of the staff working in your Deptt. / Centre/Unit |
| 2. Notice Boards | |
| 3. Advertisement file | |
| 4. Prof. Sabyasachi Chatterjee, PI, Department of Applied Mechanics | |
| 5. All Selection Committee members: for information | |
| 6. Webmaster IRD → | To put corrigendum at IITD website. |

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/RP04378G/ 148367

Dated:25/04/2023

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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।

Title of the Project	Coupling Dislocation Dynamics with Discrete Crack Mechanics to study fatigue crack growth in High Entropy Alloys (RP04378G)	
Funding Agency	Science and Engineering Research Board (SERB)	
Name of the Project Investigator / Contact Point	Prof. Sabyasachi Chatterjee [email ID:sabyasachi@am.iitd.ac.in]	
Deptt./ Centre	Department of Applied Mechanics	
Duration of the Project	Upto:27/10/2024	
Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Jr. Research Fellow (1)	Rs.31,000/-p.m. plus HRA @ 24%	Candidate should have post Graduate Degree (masters or equivalent) in Mechanical Engineering, Structural Engineering, Applied Mechanics or related branch with NET/GATE* qualification and with CGPA of 7.0 or above (70% aggregate marks or above). The Candidates with good understanding of solid mechanics, finite element method and programming experience in C++, matlab or python will be preferred. *The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks). Job description – The JRF will be responsible for developing a model that couples a plasticity model with a crack propagation model. The approach is flexible and we may use Finite Element Method or Peridynamics to model crack propagation. The candidate will develop a program that implements the model. It will be applied to High Entropy alloys (HEA). The results will be validated against experimental results on fracture and fatigue in HEAs. A good understanding of solid mechanics and experience in programming is required for the project. The candidate has to meet with the PI on a weekly basis to discuss the progress. A journal article is expected at the end of the project.

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. to Prof. Sabyasachi Chatterjee at email id:sabyasachi@am.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. Mahim Sagar at email id: rec.dmsstaff@gmail.com

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 is 04/05/2023 by 5.00 p.m.

सहायक कुल्सचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units :
- Webmaster, IRD :
- Notice Boards
- Advertisement file
- Prof. Sabyasachi Chatterjee, PI, Department of Applied Mechanics

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