CORRIGENDUM

Advertisement No.: IITD/IRD/031/2022

Ref.: Advt. No. IITD/IRD/030/2022 published vide No. IITD/IRD/RP04191G/8559 dt.02/02/2022

This refers to the advertisement released for the post of Research Associate under the sponsored research project entitled “Wearable soft robotics for Upper Limb Muscle Power Augmentation with BMI interface (DRDO JATC Project) (RP04191G) in operation under Prof. Sitikantha Roy, Department of Applied Mechanics of this Institute.

The last date of receipt of applications for the released post is hereby extended till 28/02/2022.

The other contents of the earlier released advertisement shall remain same.

Distribution

1. Head of the Deptt./Centres/Units

2. Notice Boards

3. Advertisement file

4. Prof. Sitikantha Roy, PI, Department of Applied Mechanics

5. Webmaster IRD

6. Dr. Harshita Bhatnagar, RD Coordinator (R&D) Wing

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.

Assistant Registrar, IRD
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. The project involves design and development of an exosuit, a soft wearable robotic device, for upper limb augmentation. The work is interdisciplinary and brings together researchers from various disciplines including control, brain-machine interface, biomechanics, materials, machine learning, and human physiology. Your role is to design and develop learning-based control systems for soft wearable robots.

**Why you would like to join:**

1. This is a one-of-a-kind project in the country on soft neuro robotics and control.
2. You will have an opportunity to interact with an interdisciplinary team of scientists having background as diverse as soft robotics, machine learning, biomechanics, signal processing and control theory.

<table>
<thead>
<tr>
<th>Title of the Project</th>
<th>Wearable soft robotics for Upper Limb Muscle Power Augmentation with BMI interface (DRDO JATC Project) (RP04191G)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Agency</td>
<td>DRDO, Ministry of Defence, New Delhi</td>
</tr>
<tr>
<td>Name of the Project Investigator</td>
<td>Prof. Sitikantha Roy / Prof. Shubhendu Bhasin, Co-PI, Department of Electrical Engineering</td>
</tr>
<tr>
<td>Dept/Centre</td>
<td>School of Artificial Intelligence and Department of Applied Mechanics</td>
</tr>
<tr>
<td>Duration of the Project</td>
<td>Upto: 31/11/2025</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Post(s)</th>
<th>Consolidated fellowship/ Pay-slab</th>
<th>Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Associate(1)</td>
<td>Rs. 47,000-49,000-54,000/- p.m. plus HRA @ 24%</td>
<td>Ph.D. degree in Electrical/Electronics/Mechanical/Biomedical/Instrumentation Engineering with specialization in systems and control/robotics, with first class (60%) or equivalent at all the preceding degrees and certificates along with good publication record in Science Citation Indexed (SCI) Journal. OR ME/MS/MTech in Electrical/Electronics/Mechanical/Biomedical/Instrumentation Engineering with specialization in systems and control/robotics with first class (60%) or equivalent at all the preceding degrees and certificates, and having minimum three years of research, teaching experience along with at least one good publication in Science Citation Indexed (SCI) Journal. Essential skills: Excellent mathematical skills (linear algebra, probability theory, optimization), and proficiency in MATLAB/ C/ Python. Desirable skills: Background in nonlinear control theory and experience with reinforcement learning algorithms deployed on a robotics platform. Experience with sensors, actuators, and system integration for robotic systems. Responsibilities: Design of control systems for a wearable soft robotic device for upper limb augmentation. The work involves controller design and implementation in software (simulation) and development of hardware prototype.</td>
</tr>
</tbody>
</table>

The post) may be downgraded as per discretion of the Selection Committee if none of the candidate is found suitable for the post.

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. Shubhendu Bhasin at email id: recruitment.jatc@gmail.com and cc it to sbhasin@ee.iitd.ac.in

Contd....
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) along with 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. Shubhendu Bhasin at email id: sbhasin@ee.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. ac 5% relaxation of marks may be granted to the SC/ST Candidates. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंको की 5% घर्षित दी जा सकती है।

The last date for submitting the completed applications by e-mail is 16/02/2022 by 5.00 p.m.

विवरण
- Head of the Deptt./Centres/Units :
- Webmaster, IRD
- Notice Boards
- Advertisement file
- Prof. Sitikantha Roy, PI, School of Artificial Intelligence and Department of Applied Mechanics
- Prof. Shubhendu Bhasin, Co-PI, Department of Electrical Engineering
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing

It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit. To put advertisement at IITD website.