

# Recruitment for Research positions at College of Engineering, UNIST

## I Schedule

| Process             | Schedule          | Remarks  |
|---------------------|-------------------|--|
| Application Period  | 2022.08.12.~8.29. | ~24:00 on 2022.08.29.                              |
| Documents screening | 2022.09.01.       | Announcement of successful candidates: 2022.09.02. |
| Interview screening | 2022.09.06.       | Announcement of successful candidates: 2022.09.08. |
| Appointment         | 2022.09.16. ~     |  |

\*Schedules are subject to change.

## II Application and Screening

- **Application period:** 2022.08.12.~08.29., 24:00 (\*Korean time standard)
- **How to apply:** Online application (<https://unist-researcher.recruiter.co.kr/>)
- **Application Notes**
  - Applicants can apply in only one field.
  - Applicants must not reveal their personal information (ex: photo, school name, academic advisor's name, GPA, family information, birth year and date and physical conditions).
- **Document Screening, Interview Screening**
  - If there is no qualified person, UNIST may not employ any candidates.
  - Those who are eligible for work protection are given additional points according to related laws (5% or 10% of the perfect scores by stage)
  - Additional points are granted to the disabled in order to promote the employment of persons with disabilities (5% of perfect scores by stage)
- **Final appointment**
  - Under National Civil Service Act article 33, successful candidates who don't meet the public officials appointment conditions will not be appointed at UNIST.
  - Background check for the successful candidates from the interview will be conducted. And if it confirms any particulars(disqualifications), the announcement might be canceled
  - The appointment may be canceled even after the employment due to forgery or illegal recruitment or false or non-evidents information written on the application or National civil service act article 33 disqualifications.
  - Unsuccessful candidates can ask for application back within 2 weeks of the announcement.



## Field and Eligibility

### ○ Mechanical Engineering

| Position             | Field   | Quota | Detailed information |  |
|----------------------|---|-------|----------------------|--|
| Post-Doc Researcher  | Robotics and Rehabilitation Engineering<br><br>(Prof. Sang Hoon Kang)   | 1     | <b>Main Tasks</b>    | Conducting research on rehabilitation robots and/or neuromechanics, including tests with subjects  |
|                      |   |       | <b>Eligibility</b>   | A PhD degree in related field (Science & Engineering, and Health Science)  |
|                      |   |       | <b>Preferences</b>   | <ul style="list-style-type: none"> <li>- Ph.D. degree holders in fields related to robotics, rehabilitation engineering, or neuromechanics such as science and engineering</li> <li>- Experience in conducting research on subjects with rehabilitation robots or engineering devices</li> <li>- At least one paper published as the first author in internationally well-known journals in the relevant fields</li> </ul> |
|                      |   |       | <b>Term</b>          | 2022.09.16. ~ 2023.09.15.  |
|                      |   |       | <b>Working hours</b> | <ul style="list-style-type: none"> <li>- The five-day week</li> <li>- Working Hour 9:00~18:00</li> <li>- Break 12:00~13:00</li> </ul>  |
|                      |   |       | <b>Monthly wage</b>  | 3,000,000 WON  |
|                      |   |       | Post-Doc Researcher  | Micro-/Nanofluidics Lab.<br><br>(Prof. Taesung Kim)  |
| <b>Eligibility</b>   | Ph.D holder in micro/nanotechnological research fields  |       |                      |  |
| <b>Preferences</b>   | Research experience and expertise in the micro-/nanotechnological fields aforementioned   |       |                      |  |
| <b>Term</b>          | 2022.09.16. ~ 2023.09.15  |       |                      |  |
| <b>Working hours</b> | <ul style="list-style-type: none"> <li>- Five week days</li> <li>- 9:00 ~ 18:00</li> <li>- 12:00 ~ 13:00 for lunch break</li> </ul> |       |                      |  |
| <b>Monthly wage</b>  | 3,300,000won (negotiable)   |       |                      |  |
| Post-Doc Researcher  | Computational Solid/Nano Mechanics<br><br>(Prof. Sung Youb Kim)   | 1     | <b>Main Tasks</b>    | Computational analysis of 2D solid or nano patterned solid-structures  |
|                      |   |       | <b>Eligibility</b>   | Ph D degree in mechanical engineering (computational solid-mechanics)  |
|                      |   |       | <b>Preferences</b>   | Research experience and capability in closely related field  |
|                      |   |       | <b>Term</b>          | 2022.09.16. ~ 2023.09.15.  |
|                      |   |       | <b>Working hours</b> | <ul style="list-style-type: none"> <li>- The five-day week</li> <li>- Working 9:00~18:00</li> <li>- Break 12:00 ~ 13:00</li> </ul>   |
|                      |   |       | <b>Monthly wage</b>  | 3,000,000 Won  |

○ Materials Science and Engineering

| Position            | Field  | Quota | Detailed information |  |
|---------------------|--|-------|----------------------|--|
| Post-Doc Researcher | Semiconductor Nanotechnology Lab<br><br>(Prof. Joonki Suh) | 1     | <b>Main Tasks</b>    | Research on neuron and synapse devices for PIM application                               |
|                     |  |       | <b>Eligibility</b>   | A PhD degree in related field (Electronics Engineering, Materials Science, Physics, etc) |
|                     |  |       | <b>Preferences</b>   | Research experience in closely related field   |
|                     |  |       | <b>Term</b>          | 2022.09.16. ~ 2023.09.15.  |
|                     |  |       | <b>Working hours</b> | - The five-day week<br>- Working 9:00~18:00<br>- Break 12:00 ~ 13:00                     |
|                     |  |       | <b>Monthly wage</b>  | 3,000,000 WON  |

○ Energy and Chemical Engineering

| Position            | Field   | Quota | Detailed information |   |
|---------------------|---|-------|----------------------|---|
| Post-Doc Researcher | Next-generation solar cells (perovskite solar cells and organic solar cells)<br>(Prof. Changduk Yang) | 1     | <b>Main Tasks</b>    | Research on perovskite solar cells, organic solar cells, and organic flexible transistors.  |
|                     |   |       | <b>Eligibility</b>   | A Ph.D degree in related field  |
|                     |   |       | <b>Preferences</b>   | Research experience in closely related field  |
|                     |   |       | <b>Term</b>          | 2022.10.01. ~ 2023.09.30.   |
|                     |   |       | <b>Working hours</b> | - The five-day week<br>- Working 9:00~18:00<br>- Break 12:00 ~ 13:00  |
|                     |   |       | <b>Monthly wage</b>  | 2,500,000 WON   |
| Post-Doc Researcher | Center for Dimension-Controllable organic Framework<br>(Prof. Jong-Beom Baek)                         | 1     | <b>Main Tasks</b>    | Research on Analysis and Synthesis of porous organic network polymers   |
|                     |   |       | <b>Eligibility</b>   | A PhD degree in related field   |
|                     |   |       | <b>Preferences</b>   | Research experience in closely related field  |
|                     |   |       | <b>Term</b>          | 2022.10.01.~2023.09.30.   |
|                     |   |       | <b>Working hours</b> | - The five-day week<br>- Working 9:00~18:00<br>- Break 12:00 ~ 13:00  |
|                     |   |       | <b>Monthly wage</b>  | 3,000,000 won   |
| Researcher          | (Bio) Chemical Engineering<br>(Prof. Sunghoon Park)   | 1     | <b>Main Tasks</b>    | - Microbial fermentation and 3-HP polymer production<br>- Development of microbial cell factory and production of bio-chemicals                       |
|                     |   |       | <b>Eligibility</b>   | - BS or MS degree in related fields<br>- A person who qualifies for E-3 VISA  |
|                     |   |       | <b>Preferences</b>   | Experience on related field*<br>*Chemical engineering, environmental engineering, microbiology, etc.  |
|                     |   |       | <b>Term</b>          | 2022.09.16.~2023.09.15.   |
|                     |   |       | <b>Working hours</b> | - The five-day week<br>- Working 9:00~15:00<br>- Break 12:00 ~ 13:00  |
|                     |   |       | <b>Monthly wage</b>  | 1,500,000 won   |
| Researcher          | Seawater Resources Technology Research Center Responsible for equipment<br>(Prof. Youngsik Kim)       | 1     | <b>Main Tasks</b>    | - Analysis of data on seawater cell and desalination technology<br>- Public Utilization Equipment Management<br>- Manager, Creating reports and plans |
|                     |   |       | <b>Eligibility</b>   | Bachelor or higher degree.  |
|                     |   |       | <b>Preferences</b>   | Experienced preferential treatment  |
|                     |   |       | <b>Term</b>          | 2022.09.16. ~ 2023.09.15.   |
|                     |   |       | <b>Working hours</b> | - The five-day week<br>- Working 9:00~14:00<br>- Break 12:00 ~ 13:00  |
|                     |   |       | <b>Monthly wage</b>  | 1,100,000 Won (Negotiable)  |

○ Carbon Neutral Institute

| Position            | Field   | Quota | Detailed information |   |
|---------------------|---|-------|----------------------|---|
| Post-Doc Researcher | Carbon Neutral, Environment(2)<br>(Prof. Chang-Keun Song) | 1     | <b>Main Tasks</b>    | Research on Carbon/Environmental Economy, Business, Global Environmental Science, Engineering |
|                     |   |       | <b>Eligibility</b>   | A Ph.D. degree in Economy, Bussiness or Engineering, Science                                  |
|                     |   |       | <b>Preferences</b>   | Research Papers cited in SCI and SSCI in closely related field                                |
|                     |   |       | <b>Term</b>          | 2022.10.01. ~ 2023.09.30.   |
|                     |   |       | <b>Working hours</b> | - The five-day week<br>- Working 9:00~18:00<br>- Break 12:00 ~ 13:00                          |
|                     |   |       | <b>Monthly wage</b>  | 3,500,000 KRW   |

※ Notice

- 1) No preference given to age or sex
- 2) Ph.D. degree is required for Postdoctoral Research positions.
- 3) Applicants can apply to only one field
- 4) If there's a person who gives up one's appointment or if vacancy occurs within six months after the appointment, the next candidate may be appointed (only if there are candidates)
- 5) Documents that can prove eligibility and preferences might be required.
- 6) If false or non-evident information is written in the application form, the appointment may be canceled even after the employment.
- 7) Contract conditions might be changed with the agreement between the employer and employee.

## IV Contact

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