

# Recruitment for Research positions at College of Engineering, UNIST

## I Schedule

Process	Schedule	Remarks
Application Period	2022.05.11.~05.26.	~24:00 on 2022.05.26.
Documents screening	2022.06.01.	Announcement of successful candidates: 2022.06.03.
Interview screening	2022.06.08.	Announcement of successful candidates: 2022.06.10.
Appointment	2022.06.16. ~	

\*Schedules are subject to change.

## II Application and Screening

- Application period: **2022.05.11.~05.26., 24:00** (\*Korean time standard)
- How to apply
  - Send the application (PDF file) to '[invitation-ns@unist.ac.kr](mailto:invitation-ns@unist.ac.kr)'
  - \*File name: 「Position-Recruitment Area: OOO(Applicant name)」
  - Please meet the deadline(Korean time standard)
- Requirements

Position	Requirements	Remarks
Post-doc researcher	1) Applicant Form 2) Research Plan 3) Self introduction 4) Agreement to provide personal information to third parties	Check the application form
Researcher /Research Assistant	1) Applicant Form 2) Job and research performance report 3) Self introduction 4) Agreement to provide personal information to third parties	

\*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 (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>	2022.06.16. ~ 2023.06.15.
			<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	Computational Mechanics (Prof. Hayoung Chung)
<b>Eligibility</b>	<ul style="list-style-type: none"> <li>- Ph.D. degree</li> <li>- One or more publications in SCI journals as the first author within the past three years</li> </ul>			
<b>Preferences</b>	<ul style="list-style-type: none"> <li>- Proficiency in English</li> <li>- Three or more publications in SCI journals as the first author throughout the research career</li> <li>- Familiarity with stochastic topology optimization</li> </ul>			
<b>Term</b>	2022.06.16. ~ 2023.06.15.			
<b>Working hours</b>	<ul style="list-style-type: none"> <li>- Five-day in a week</li> <li>- Working hours: 9:00 ~ 18:00</li> <li>- 1 hr break 12:00 ~ 13:00</li> </ul>			
<b>Monthly wage</b>	2,800,000 KRW			
Post-Doc Researcher	Elastic Metamaterials (Prof. Joo Hwan Oh)	1		
			<b>Eligibility</b>	PhD degree in related field
			<b>Preferences</b>	<ul style="list-style-type: none"> <li>- Research experiences in elastic metamaterials</li> <li>- Own funding (ex. PI of any research project)</li> </ul>
			<b>Term</b>	2022.06.16. ~ 2023.06.15.
			<b>Working hours</b>	<ul style="list-style-type: none"> <li>- The five-working day per week</li> <li>- Working 9:00~18:00</li> <li>- Break 12:00 ~ 13:00</li> </ul>
			<b>Monthly wage</b>	2,000,000원

○ Materials Science and Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Thermoelectric materials and devices (Prof. Jae Sung Son)	1	<b>Main Tasks</b>	Research on process technology for the development of high-efficiency thermoelectric materials
			<b>Eligibility</b>	A PhD degree in related field
			<b>Preferences</b>	Research experience in closely related field
			<b>Term</b>	2022.07.01. ~ 2023.06.30.
			<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>	2,500,000 WON

○ Energy and Chemical Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Next-generation solar cells (perovskite solar cells and organic solar cells) (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>	2022.07.01. ~ 2023.06.30.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	2,500,000 WON
Post-Doc Researcher	Center for Dimension-Controlable Organic Framework (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>	2022.07.01.~2023.06.30.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	3,000,000won
Post-Doc Researcher	SBiomass conversion & electrochemistry (Prof. Jungki Ryu)	1	<b>Main Tasks</b>	Research on depolymerization, conversion, and valorization of biomass, such as lignin, cellulose, and lignocellulose
			<b>Eligibility</b>	A PhD degree in related field
			<b>Preferences</b>	Research experience in closely related field, such as chemical/biological conversion of biomass, wood chemistry, electrochemistry, and organic chemistry
			<b>Term</b>	2022.07.01. ~ 2023.06.30.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	3,000,000 Won
Post-Doc Researcher	Sustainable Process Analysis, Design, and Engineering (Prof. Hankwon Lim)	1	<b>Main Tasks</b>	CO2 capture system development/operation/ optimization
			<b>Eligibility</b>	A PhD degree in related field
			<b>Preferences</b>	Research experience in closely related field
			<b>Term</b>	2022.06.16. ~ 2023.06.15.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			<b>Monthly wage</b>	₩3,500,000

○ Carbon Neutral Institute

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Carbon Neutral, Environment(2) (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, Business or Engineering, Science
			<b>Preferences</b>	Research Papers cited in SCI and SSCI in closely related field
			<b>Term</b>	2022.07.01. ~ 2023.06.30.
			<b>Working hours</b>	- The five-day week - Working 9:00~18:00 - 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

- College of Engineering, Ulsan National Institute of Science and Technology (UNIST)
  - Tel: +82 052 217-1803, invitation-ns@unist.ac.kr
  - Address: U203, Bldg.108, Unist-gil 50, Eonyang-eup, Ulju-gun, Ulsan