

Recruitment for Research positions at College of Engineering, UNIST

I Schedule

Process	Schedule	Remarks
Application Period	2022.07.12.~07.27.	~24:00 on 2022.07.27.
Documents screening	2022.08.01.	Announcement of successful candidates: 2022.08.02.
Interview screening	2022.08.04.	Announcement of successful candidates: 2022.08.08.
Appointment	2022.08.16. ~	

*Schedules are subject to change.

II Application and Screening

- Application period: **2022.07.12.~07.27., 24:00** (*Korean time standard)
- How to apply
 - Send the application (PDF file) to '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)
- Applicants can apply in only one field.

○ 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	Main Tasks	Conducting research on rehabilitation robots and/or neuromechanics, including tests with subjects
			Eligibility	A PhD degree in related field (Science & Engineering, and Health Science)
			Preferences	<ul style="list-style-type: none"> - Ph.D. degree holders in fields related to robotics, rehabilitation engineering, or neuromechanics such as science and engineering - Experience in conducting research on subjects with rehabilitation robots or engineering devices - At least one paper published as the first author in internationally well-known journals in the relevant fields
			Term	2022.08.16. ~ 2023.08.15.
			Working hours	<ul style="list-style-type: none"> - The five-day week - Working Hour 9:00~18:00 - Break 12:00~13:00
			Monthly wage	3,000,000 WON
Post-Doc Researcher	Microfabrication/ Microneedles / Flexible devices (Prof. Hoon Eui Jeong)	1	Main Tasks	<ul style="list-style-type: none"> - Development of microneedles - Development of microneedle applicators - Development of wearable devices
			Eligibility	A PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	<ul style="list-style-type: none"> - The five-day week - Working Hour 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	KRW 2,500,000
Post-Doc Researcher	Functional Intelligent Materials Laboratory (Prof. Young-Bin Park)	1	Main Tasks	<ul style="list-style-type: none"> - Structural health monitoring and prognostics and health management of composite structures using AI - Injection molding and characterization of mono-material, self-reinforced composites
			Eligibility	A PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	<ul style="list-style-type: none"> - The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	₩2,100,000

○ Urban and Environmental Engineering

Position	Field	Quota	Detailed information	
Researcher	UEE research and development (Prof. Sukhoob Pyo)	1	Main Tasks	Research on the experimental study of high performance cement-based materials
			Eligibility	- A M.S. degree (including expected candidates) in related field - A person eligible for E-3 VISA
			Preferences	Research experience in closely related field
			Term	2022.09.01.~2023.08.31
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,000,000 won
Post-Doc Researcher	Water Quality Modeling (Prof. Cho Kyung Hwa)	2	Main Tasks	Water Quality Modeling
			Eligibility	PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01.~2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00~13:00
			Monthly wage	3,400,000원
Post-Doc Researcher	Modeling and analysis for added value of regional climate model (Prof. Dong-Hyun Cha)	1	Main Tasks	Research on modeling and analysis for extreme climate using regional climate model
			Eligibility	PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01.~2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00~13:00
			Monthly wage	3,200,000 WON
Post-Doc Researcher	Non-destructive Evaluation for Concrete (Prof. Gun Kim)	1	Main Tasks	Development of Monitoring Technology for Pre-cast Concrete Using Non-destructive Assessment Techniques
			Eligibility	- Holding a PhD degree at the point of appointment - one or more publications in SCI journals as the first author within the past three years
			Preferences	Research experience in closely related field
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,500,000 Won

○ Materials Science and Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Thermoelectric thin films (Prof. Jae Sung Son)	1	Main Tasks	Research on process technology for the development of flexible thermoelectric thin films
			Eligibility	A PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01. ~ 2022.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,700,000 WON
Post-Doc Researcher	Polymer, Biomaterials (Prof. Chaenyung Cha)	1	Main Tasks	- Perform experiments: polymer synthesis, biomaterial (hydrogel, nanofiber, etc) fabrication, 3D cell culture, animal experiment - Write reports and papers - Mentor students
			Eligibility	PhD degree in chemistry, chemical engineering, material science, or any other related field
			Preferences	Research experience in closely related field, experience in both biomaterials and tissue engineering (cell culture and animal experiment) is preferred
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,200,000 won
Researcher	Nanocomposite, Biomaterials, Tissue Engineering (Prof. Chaenyung Cha)	1	Main Tasks	- Perform experiments: polymer nanocomposite synthesis, coating, surface characterization, 3D cell culture, animal experiment - Write reports and papers
			Eligibility	- MS degree in chemistry, chemical engineering, material science, or any other related field - A person eligible for E-3 VISA
			Preferences	Research experience in closely related field, experience in both biomaterials and tissue engineering (cell culture and animal experiment) is preferred
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	- The five-day week - Working 9:00~17:00 - Break 12:00 ~ 13:00
			Monthly wage	1,800,000 won
Post-Doc Researcher	Advanced materials engineering for high piezoelectric material (Prof. Wook Jo)	1	Main Tasks	Practicing templated grain growth technique on electric ceramics for property enhancement
			Eligibility	A PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	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	Main Tasks	Research on perovskite solar cells, organic solar cells, and organic flexible transistors.
			Eligibility	A Ph.D degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,500,000 WON
Post-Doc Researcher	Center for Dimension-Controllable organic Framework (Prof. Jong-Beom Baek)	1	Main Tasks	Research on Analysis and Synthesis of porous organic network polymers
			Eligibility	A PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2022.09.01.~2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	3,000,000 won
Researcher	Enzyme and Protein Engineering (Prof. YongHwan Kim)	2	Main Tasks	Purification of Enzyme and Protein
			Eligibility	- Master's degree in related field - A person eligible for E-3 VISA
			Preferences	Research experience in closely related field
			Term	2022.09.01. ~ 2023.02.28.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,500,000 won

○ Carbon Neutral Institute

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Carbon Neutral, Environment(2) (Prof. Chang-Keun Song)	1	Main Tasks	Research on Carbon/Environmental Economy, Business, Global Environmental Science, Engineering
			Eligibility	A Ph.D. degree in Economy, Bussiness or Engineering, Science
			Preferences	Research Papers cited in SCI and SSCI in closely related field
			Term	2022.09.01. ~ 2023.08.31.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	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)
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