

Recruitment for Research positions at College of Engineering, UNIST

I Recruitment Schedule

Process	Schedule	Remarks
Application Period	2021.08.17. ~ 09.01.	~24:00 on 2021.09.01.
Documents review	2021.09.03.	Announcement of successful candidates: 2021.09.06.
Interview	2021.09.07.	Announcement of successful candidates: 2021.09.08.
Appointment	2021.09.16. ~	

*Schedules are subject to change.

II Application and Screening

- Application period: 2021.08.17. ~ 09.01., 24:00 (*Korean time standard)
- How to apply
 - The submitted documents are converted into one PDF file (after scanning) and sent by e-mail(invitation-ns@unist.ac.kr)
 - File name: 「Position-Recruitment Area: OOO(Applicant name)」
 - Applications should be received by 24:00 on the due date(Korean time standard)

○ Documents to be submitted

Position	Submission documents	Remarks
Post-doc researcher	1) Applicant Form 2) Research Plan 3) Self introduction 4) Agreement to provide personal information to third parties	- Required documents - Refer to attachment
Researcher /Research Assistant	1) Applicant Form 2) Job and research performance report 3) Self introduction 4) Agreement to provide personal information to third parties	

- When filling out the application form, the relevant documents must be prepared in advance. Successful applicants will be canceled due to erroneous input. All responsibility for harm lies with the applicant
- According to blind employment, there is to be no submission of photograph, school name, name of advisor, credit, family relationship, family name, date of birth, and physical condition.
- Selection: Document Screening, Interview Screening
 - If there is no qualified person, the original number of candidates may be reduced or not selected.
 - 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 employment of persons with disabilities (5% of perfect scores by stage)

○ **Final appointment**

- Under article 33 of the National Civil Service Act regarding the disqualification conditions of the appointment of national civil services, successful candidates who are applicable of the disqualification conditions or failed in physical examination will be excluded from appointment.
- Persons whose identity has been identified as a result of an inquiry and a survey of candidates for recruitment (final interview candidates) in accordance with the original rules may be canceled through discussion.
- If a person is found to have a final appointment and has been found to have submitted false information, application forgery, or fraudulent employment, the appointment may be canceled as per Article 33 of the Civil Service Act.
- If an unsuccessful candidate wishes to retrieve one's application document, request can be made within 2 weeks of announcement.

III 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	- 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	2021.09.16. ~ 2022.09.15.
			Working hours	- The five-day week - Working Hour 9:00~18:00 - Break 12:00~13:00
			Monthly wage	2,800,000 WON
Post-Doc Researcher	3D Printing and Artificial Intelligence (Prof. Im Doo Jung)	1	Main Tasks	- 3D Printing Process Development - 3D Printing Material Development - AI for Machine
			Eligibility	Doctor's degree holder
			Preferences	- Python Coding Experience over 3 year - Nano particle synthesis - 3D Printing Experience
			Term	2021.09.16. ~ 2022.09.15.
			Working hours	- The five-day week - Working Hour 9:00~18:00 - Break 12:00~13:00
			Monthly wage	₩3,000,000

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Bioaerosol or Biosensor (Prof. Jaesung Jang)	1	Main Tasks	Development of air samplers or biosensors for aerosols or bioaerosols
			Eligibility	- Holding or expected to hold Ph.D. in biotechnology, mechanical engineering, environmental engineering, or relevant engineering fields at the point of appointment - Two first-authored journal publications in the relevant field
			Preferences	Expertise in bacteria and virus experiments, or microfabrication techniques
			Term	2021.10.01 ~ 2022.09.30. with possible extensions max to 3 years
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,500,000~3,000,000 KRW

○ Energy and Chemical Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Center for Dimension-Controlable 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	2021.10.01. ~ 2022.09.30.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	₩3,000,000
Post-Doc Researcher	Simulation on OER, ORR, HER (Prof. Ji-Hyun Jang)	1	Main Tasks	Simulation regarding OER, HER, and ORR (DFT, MD)
			Eligibility	A PhD degree in related field
			Preferences	Research experience in closely related field
			Term	2021.09.16. ~ 2022.09.15.
			Working hours	- Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	₩2,700,000/month
Post-Doc Researcher	Center for Synthesis of Polymer Optical Nano/Micro-architectures (Prof. Jiseok Lee)	1	Main Tasks	Fabrication of polymer-based sensor by printing process, Development of sensor performance evaluation
			Eligibility	A PhD degree in Chemical Engineering field
			Preferences	Research experience in closely related field
			Term	2021.09.16. ~ 2022.09.15.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	₩1,850,000
Researcher	Metabolic engineering (Prof. Sung Kuk Lee)	1	Main Tasks	Research on general applied microbiology & cell cultivation, gene cloning
			Eligibility	BS degree in related field
			Preferences	Research experience in closely related field
			Term	2021.10.01.~2022.02.28.
			Working hours	- The five-day week - Working 9:00~14:00 - Break 12:00 ~ 13:00
			Monthly wage	1,110,000 won

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Materials Chemistry Lab (Prof. Jongnam Park)	1	Main Tasks	- Synthesis of optoelectronic nanomaterials & nanostructures - Research on nanocatalysts for optoelectronic conversion - Gas/molecular sensor using nanomaterials
			Eligibility	- Ph.D. in related research field - Experience with optoelectronics Major in Chem Eng., Electrical Eng., Energy Eng., Materials Eng., Physics or Chemistry
			Preferences	- Related experience in OLED fabrication - Related research experience in semiconductor device phys
			Term	2021.09.16.~2022.09.15
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	(before tax) 3.0~4.0 million won per month
Post-Doc Researcher	Biochemical Engineering (Prof. Sunghoon Park)	1	Main Tasks	Research on production of value-added bio-chemicals with expertise on metabolic engineering and its relevant fields
			Eligibility	A Ph.D. degree in related fields
			Preferences	Research experience in biochemical engineering fields (i.e., metabolic engineering, enzyme engineering, synthetic biology, etc.)
			Term	2021.10.01. ~ 2022.09.31
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	₩ 2,800,000
Researcher	Sustainable Process Analysis, Design and Engineering (Prof. Hankwon Lim)	1	Main Tasks	Process design and optimization
			Eligibility	MS degree in related field
			Preferences	Research experience in closely related field
			Term	2021.09.16. ~ 2022.09.15.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	1,830,000won
Researcher	Process design/optimization/modeling (Prof. Hankwon Lim)	1	Main Tasks	Process design and optimization
			Eligibility	BS degree in related field
			Preferences	Research experience in closely related field
			Term	2021.09.16. ~ 2022.09.15.
			Working hours	- The five-day week - Working 9:00~15:00 - Break 12:00 ~ 13:00
			Monthly wage	1,330,000 ₩
Post-Doc Researcher	Perovskite, Organic Solar cells (Prof. Jin Young Kim)	1	Main Tasks	Research on Perovskite Photovoltaics, Organic Solar cells
			Eligibility	PhD degree in related field
			Preferences	Research experience in related field
			Term	2021.10.01.~2022.09.30.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	2,500,000won

○ Nuclear Engineering

Position	Field	Quota	Detailed information	
Post-Doc Researcher	Heat transfer and CFD (Prof. In Cheol Bang)	1	Main Tasks	Research on heat pipe technology for innovative small modular reactors
			Eligibility	A PhD degree in heat transfer and related field
			Preferences	Research experience in heat transfer and closely related field
			Term	2021.10.01. ~ 2022.09.30.
			Working hours	- The five-day week - Working 9:00~18:00 - Break 12:00 ~ 13:00
			Monthly wage	3,000,000 WON

※ Notice

- 1) No preference given to age or sex
- 2) A Ph.D. for Postdoctoral Researcher is required
- 3) Applicants can apply to only one field
- 4) Candidates may be selected for employment and may be hired according to their rankings if other vacancies in the same field become available within six months of appointment
- 5) Career or qualifications in each fields' requirement or preferred conditions must be supported with proofs such as certificates. In case submitted proofs are confirmed as false documents, acceptance can be cancelled.
- 6) Salary can be changed depending on experiences in the field through discussion. Extra payment may occur.
- 7) Details of the contract can be revised by mutual consent with the Project PI

IV Contact

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