UNIST Energy and Chemical Engineering Researcher Recruitment



I Candidates and Eligibility

Recruitment Area & Positoin			No. of persons recruited	Career level	Responsibility & Eligibility	
	Resear cher Post	B.S. M.S. -Doc	3 3		 Major in Material Development and Analysis based on the Organic / Inorganic Chemistry Major in Prototyping and Evaluation of Startup/ Prototype Major in Circuit and Electricity 	
	1 030	DOC	J			
Seawater Resources Technology Research Center	Research Assistant Professor		3		 (Researcher:BS) A B.S. degree in related field or B.S. candidate who is expected to graduate by February of 2020 (Researcher:M.S.) A M.S. degree in related field or M.S. candidate who is expected to graduate by February of 2020 (Post-Doc) A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020 (Post-Doc) A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020 (Preferential] Research experience in a closely related field 	
Energy Soft Materials Lab.	Post-Doc		1		 Development of advanced materials for energy storage systems A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020 	
		solar cells	2		 Studies on Perovskite solar cells , Organic-Inorganic Hybrid solar cells, Organic solar cells Studies on water oxidation, hydrogen evolution, CO2 	
Nanomaterials Synthesis and Functional Devices Lab	Post- Docl	Electro chemis try., Electro catalys ts	1	Entry-leve l/experien ced	conversion/utilization • A PhD degree in related field or PhD candidate	
Energy Materials	Admini	strative	1		 Management of the research project 	
Lab Bioinspired Functional Materials Lab.	researcher Post-Doc		1		 Major in Science and Engineering Studies on the utilization of CO and CO2 using enzymes and inorganic catalysts A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020 [Preferential] Materials Science and Engineering, Chemical Engineering, Chemistry, Energy Engineering Studies on perovskite solar cells, Energy conversion thermoelectric, Development of piezoelectric materials/ devices A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020 Experimental Assistant in ECOCAT Research experience in a catalyst related field A B.S. degree in related field 	
Laboratory for energy harvesting materials and systems	Post-Doc		1			
Eco-Friendly Catalysis & Energy Laboratory(ECOCAT)	Researcher (B.S.)		1			
NCL	Researcher (B.S.)		2		 Studies on Synthesis of Energy storage materials A B.S. degree in related field or B.S. candidate 	

					who is expected to graduate by February of 2020
Advanced Tech-Optoelectronic Materials Synthesis Lab	Post-Doc		2		 Studies on solar cells materials/devices, Energy Engineering/ Chemistry A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020
F 1.4	Researcher (B.S.)		1		 Major in Electrochemistry/Energy Engineering/ Chemistry (Researcher:B.S.) A B.S. degree in related field
Eclat	Post	-Doc	1		 (Post-Doc) A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020
Gunslab	Post-Doc		1		 Major in Fuel Cells / Metal air battery Major in Chemical Engineering, Chemistry,,Materials Science, Mechanical engineering A PhD degree in related field or PhD candidate who is expected to graduate by February of 2020 [Preferential] Research experience in a closely related field
Recruitment Area & Positoin			No. of persons recruited	Career level	Responsibility & Eligibility
	Resear cher	B.S. M.S.	2		 Major in Material Development and Analysis based on the Organic / Inorganic Chemistry
Seawater Resources Technology Research Center	Post-Doc		1		 Major in Prototyping and Evaluation of Startup/ Prototype Major in Circuit and Electricity (Researcher:B.S.) A B.S. degree in related field (Researcher:M.S.) A M.S. degree in related field (Post-Doc) A PhD degree in related field [Preferential] Research experience in a closely related field
Low-Dimensional Materials & Energy Conversion Lab	Post- Doc	solar cells	1	Entry-leve l/experien ced	 Studies on Perovskite solar cells , Organic-Inorganic Hybrid solar cells, Organic solar cells Studies on water oxidation, hydrogen evolution, CO2
		Electro chemis try., Electro catalys ts	1		
Energy Materials Lab	Administrative researcher		1	Entry-leve l/experien ced	
Bio-inspired Functional Materials Lab.	Post- Doc		1	Entry-leve l/experien ced	io a Phi) dedree in related tield
Electrochemistry Lab for Energy and Environment (ELEE)	Researcher		1	Entry-leve l/experien ced	
Gunslab	Researcher		1	Entry-leve l/experien ced	SCIENCE Mechanical ennineering
Quantum Materials for Energy Conversion Lab	Post- Doc		1	Entry-leve l/experien ced	 Research experience in the measure of In-situ X-ray,

				• A PhD degree in related field
	Administrative researcher	1		 Management of the research project [Preferential] Research experience in a closely related field
Biochemical Engineering Lab	Research Professor	1 Experience ed • Biochemical Engineering • Industrial Organic Acid Producing Strains and process develo • A PhD degree in related field and at least 10 years of verifiable experiences at the institute		 Industrial Organic Acid Producing Strains and process development A PhD degree in related field and at least 10 years of
Sustainable Process Analysis, Design and Engineering Lab	Post- Doc	2	Entry-leve l/experien ced	 Process design/ Biz model Catalyst/Reaction Engineering, Reactor design Process analysis based on ML/AI/CPS
	Research Assistant Professor	1		 Comsol/Ansys/Barracuda Prognostics and Health Management (Post-Doc) A PhD degree in related field (Research Assistant Professor) at least 2 years of verifiable experiences at the institute [Preferential] Research experience in a closely related field
Advanced Tech-Optoelectronic Materials Synthesis Lab	Post-Doc	1	l/experien	 Studies on solar cells materials/devices, Energy Engineering/ Chemistry A PhD degree in related field

***** Notice

- 1) The number of applicants can be reduced if there is no qualified person
- 2) Candidates can be selected as candidates for employment, and candidates can be hired according to the candidates' rankings if the candidates for recruitment are found out or there are vacancies in the same field within six months of appointment.

II Contract

- Contract period: 2020. 03 2021. 02 (1 years)
 - * Conract period of Bio-inspired Functional Materials Lab. : 2020.5.1.~ 2021.4.30
 - * Conract period of Electrochemistry Lab for Energy and Environment (ELEE): 2020.4.16.~ 2021. 8.15
 - * Conract period of Gunslab: 2020.4.16.~ 2021. 8. 31
 - * Conract period of Biochemical Engineering Lab : 2020.5.16. ~ 2020.10.15
 - ※ Conract period of Sustainable Process Analysis, Design and Engineering Lab(Research Assistant Professor): 2020. 6. 1 ~ 2021. 5. 31
- Working hours: 5 days a week (Mon-Fri), 8 hours a day (9: 00 18: 00)

* Electrochemistry Lab for Energy and Environment (ELEE)' working hours : 5 days a week (Mon-Fri), 2 hours a day

○ Salary: Negotiations after interview

III Reasons for Exclusion, Restriction of Support Age, and Others

 \bigcirc exclusion

- Eligible physical examination or reasons for disqualification of employment under Article 33 of the National Civil Service Act. Those who have been rejected as a result are 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 be false, application forgery, or fraudulent employment is found, the appointment may be canceled if a reason for disqualification under Article 33 of the Civil Service is found.
- No age limit
- \bigcirc For men, military uniform or exemption
- \bigcirc Other
 - Photo registration, school name, credit, family relations, family name, date of birth, and physical condition are not allowed in the application form due to blind employment.
 - Those who are eligible for work protection are given additional points according to related laws (5% or 10% of the perfect scores by stage)
 - In case of the disabled, additional points are granted to promote employment of persons with disabilities (5% of perfect scores by stage)
 - You must be able to work immediately after appointment.

IV Document Receipt and Selection Method

○ Recruitment notice and documents submission period

: 2020.03.05. (Thu) - 2020.03.19. (Thu) 24:00 (15 days)

 \bigcirc Document Receipt Method

- Recruiter E-mail: alleysi@unist.ac.kr
- Documents to be submitted: Application form, self-introduction letter, personal information third party, research plan(only post-doc, research (assistant) professor), C.V.(only research (assistant) professor), career certificate
 - 1 copy of each written offer agreement (see attached form)
- ✗ How to apply
- The submitted documents are converted into PDF files (after scanning) and sent by e-mail.

• Subject: "Support for UNIST Energy and Chemical Engineering Researcher Recruitment_ Recruitment Area & Positoin: OOO"

• Note: Applications should be received by 24:00 on the due date

O 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 no entry of photograph, school name, credit, family relationship, family name, date of birth, and physical condition.
- The following contents and conditions are also prohibited from the application: Name of school, family relationship, date of birth, person, and body
- Selection Method: Document Screening, Interview

Type of screening	Description	No. of candidates to be selected
Document Screening	Screening of the Application Form and the Self Introduction	Within 3 times the number of persons to be recruited
Interview	Evaluation of the candidate's research perfomance and speciality in related field	1 time the number of person to be recruited
Committe Deliberation	Deliberation of the final appointment	only Research (Assistant) Professor
Appointment	Completion/submission of documents required for appointment	

- If there are no qualified candidates for the screening process, the applicants may be reduced or not selected.
- Employment protection subjects will be granted additional points according to the related laws (5% or 10% of the perfect scores)
- In case of disabled persons, granting points by type to promote employment of persons with disabilities (5% of total marks by type)

○ Recruitment candidate

- Job candidates are selected within the scope of the number of applicants in the order of the high score of the interview.
- If there is no qualified person as a result of the interview, the original number of candidates may be reduced or not selected.
- Criteria for Handling Successful Candidates by Ties
- In case of tie in each stage of the selection, (priority) veterans, (priority) persons with disabilities,
 (Priority 3) High school graduates, (Priority 4) Non- metropolitan

area talents, (Priority 5) Higher English test scores (Priority 6)

* If there is no qualified person, applicants may not be selected.

- Final appointment
 - If there are no special matters after conducting an identity check and hiring examination for public officials, hiring candidates will be finally hired.
 - The appointment can be canceled if false facts are found in the documents submitted after the final appointment has been confirmed and appointed, or if the reason for disqualification under Article 33 of the National Civil Service Act is found.

V Recruitment Schedule

○ Schedule

- Application Submission: 2020.03.05. (Thu) 2020.03.19. (Thu) 24:00 (15 days)
- Announcement of successful applicants: 24 Mar, 2020(Tue)
- Interview: 27 Mar, 2020(scheduled)
- Announcement of Candidates for Job Interview: 31 Mar, 2020(scheduled)
- Appointment scheduled for: 16 Apr, 2020(scheduled)

VI Contact

- Ulsan Institute of Science and Technology (UNIST) ECHE Administrative office
 Tel: (052) 217-3545, alleysi@unist.ac.kr
 - Address: No. 50, 104-dong 401-10, Unist-gil, Eonyang-eup, Ulju-gun, Ulsan