

## 2024-2025 Tenure-Track Faculty DGIST

Direct Link: <https://www.AcademicKeys.com/r?job=247055>

Downloaded On: Mar. 30, 2025 11:49pm

Posted Oct. 17, 2024, set to expire May 15, 2025

|                             |   |
|-----------------------------|---|
| <b>Job Title</b>            | 2024-2025 Tenure-Track Faculty  |
| <b>Department</b>           | Academic Affairs Team<br><a href="https://dgist.ac.kr">https://dgist.ac.kr</a>  |
| <b>Institution</b>          | DGIST<br>DAEGU, , South Korea   |
| <b>Date Posted</b>          | Oct. 17, 2024   |
| <b>Application Deadline</b> | Open until filled   |
| <b>Position Start Date</b>  | Available immediately   |
| <b>Job Categories</b>       | Professor   |
| <b>Academic Field(s)</b>    | Physics - Condensed Matter/Low Temperature<br>Physics - Atomic/Molecular/Optical/Plasma<br>Physics - General<br>Materials Sciences/Polymer Sciences<br>Computer/Information Sciences<br>Chemistry - Physical<br>Chemistry - Biochemistry<br>Chemistry - Analytical<br>Chemistry - General<br>Biology - Neuroscience/Neurobiology<br>Biology - General<br>Sciences - General |
| <b>Job Website</b>          | <a href="https://dgist.career.co.kr">https://dgist.career.co.kr</a>   |
| <b>Apply Online Here</b>    | <a href="https://dgist.career.co.kr">https://dgist.career.co.kr</a>   |
| <b>Apply By Email</b>       |   |

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### **Job Description**

It is an honor to have a professor with excellent ability to realize the vision of a Convergence University that changes the world with innovation through convergence education and leading high-tech research along with respect.

#### **1. Positions**

##### 1) Department of Physics and Chemistry

- Chemistry
  - All Areas in Chemistry for Exceptional Candidates
  - Physical Chemistry: AI and Computational Chemistry
  - Analytical Chemistry: Electrochemistry
  - Polymer Chemistry
  - Biochemistry
  - Material chemistry
  
- Physics
  - Quantum Information Science (Quantum Optics, AMO, Condensed Matter)
  - Quantum Materials Experiments
  - Semiconductor Physics
  - All areas in physics for exceptional candidates

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### 2) Department of Electrical Engineering and Computer Science

- While applicants who have demonstrated outstanding research in all areas of Electrical Engineering and Computer Science will be considered, preference will be given to those in the following areas:
  - Computer Architecture, Compiler/Programming Languages, High-Performance Computing
  - NLP, Generative AI, AI Theory, and other related areas in AI and ML
  - Database/Data Mining/Big data
  - Intelligent Biomedical Imaging Systems, Ultrasound, Biophotonics, MRI, CT, PET Systems (Requirements: Ph.D. or MD), Autonomous Vehicles, 6G Communications/Networks, Radar/LiDAR Sensors and Systems, Data-Driven Control, Cyber Security (e.g., Moving Target Defense), Quantum Computing, Wearable Imaging Sensors, Brain Signal Control based on Electrical Engineering
  - Semiconductor Devices, Fabrication Processes and Packaging, Emerging Electronic Devices
  - VLSI & Digital IC Design, Power Electronics

### 3) Department of Robotics and Mechatronics Engineering

- AI theories and applications for robotics: AI algorithm, deep learning, machine learning, motion planning, intelligent control and other related topics
- Autonomous vehicle technology: computer vision, SLAM, vehicle control, intelligent transportation system and other related research topics
- Robotics: cooperative robot, industrial robot, humanoid, surgery / rehabilitation robot, exoskeleton, mobile robot, microrobot, and other related research topics
- AI Technology and Robotic/Mechatronic Applications in Biomedical Engineering and Healthcare(MD Recommended)

### 4) Department of Energy Science and Engineering

- All areas in Energy Science and Engineering (ESE) related to conversion, storage, and saving of energy, including but not limited to the following:
  - Energy materials and devices (batteries, fuel cells, solar cells, catalysts, etc.)
  - Semiconductor materials and devices
  - Device physics, fabrication, and characterization related to electronic and optoelectronic devices
  - Multi-scale, multi-physics modeling and simulation from molecule to macroscopic levels (combining quantum mechanics, molecular dynamics, Monte Carlo, finite element, or AI-assisted scale bridging)
  - Microscopy (analytical TEM, super-resolution microscopy, tomography, simulation)
  - Spectroscopy (pump-probe, time-resolved instantaneous PL & absorption, ultrafast multidimensional spectroscopy, X-ray spectroscopy)

### 5) Department of Brain Sciences

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- All areas in Brain Sciences (e.g., Molecular / Cellular / Systems / Cognitive / Computational neuroscience)
- Advanced Techniques applicable to Brain Sciences (e.g., Neuroimaging, Neuroelectronics, Omics, Bioinformatics, and Synthetic Biology)

### 6) Department of New Biology

- Systems Biology
- Chemical Biology
- Plant Biology

### **2. Date of Appointment**

? Appointment date can be adjusted in consultation with department

### **3. Qualification**

- ? Encourage support for female scientists
- ? Ph.D Holder with ability to teach in English required
- ? Have no disqualifiers for DGIST full-time faculty appointment

### **4. Required Documents**

- ? DGIST application form(Apply after accessing [dgist.career.co.kr](http://dgist.career.co.kr) website)
- ? 5 representative achievements  
(Not Passed to submit less than 5 representative achievements)
- ? 3 Letters of Recommendation(LOR)  
(Please fill out the list of 3 referees or more on your appointment application. Each referee must mail or email a LOR to the department responsible after the applicant moves past the document screening; at the time of filing the application, provide the list of referees only.)

### **5. How to Apply**

- ? Apply after accessing [dgist.career.co.kr](http://dgist.career.co.kr)
- ? Application Period  
Sep. 23, 2024(Mon.) ~

### **6. Procedure**

Document Screening & Department Interview ? Final Interview ? Faculty Personnel Committee  
? Results of each step will be individually notified via email

### **7. Support for Gender Equality & Work-life Balance**

- 1) During Pregnancy
  - Reduction of working hours (It will be considered paid working time)

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- Regular medical checkup leave
- Fertility treatment leave
- 2) Post Pregnancy
  - Monetary gift for childbirth
  - Maternity leave
  - Miscarriage and Stillbirth leave
- 3) During Parenting
  - Reduction of working hours for period of child care
  - Child care leave
  - On & off campus daycare centers

### **8. Matters of Consideration**

? If there is no qualified person, no one can be invited

? A notice of invitation will be sent to each candidate; an appointment for fixed-term on the agreement to the terms and conditions of employment, with the possibility of further renewal, promotion, or tenure, etc., based on review.

? Appointment shall be canceled in case of

- 1) a false entry or modification is found in the application form,
- 2) impossible to obtain a Ph.D. as of appointment,

? If a successful candidate or persons connected with that person involves solicitation, pressure, or the offering of favors in property, etc., that candidate will be subject to cancellation of acceptance and appointment.

? Appointment will be limited if the candidate is subject to disqualifications, set out in the State Public Officials Act, Article 33, or DGIST Regulation on Faculty Personnel Management, Article 12.

? Other matters not specified in this announcement follow DGIST regulation on Faculty Personnel Management & related regulations

? If you have any question, please contact Academic Affairs Team at DGIST

- E-mail : [faculty@dgist.ac.kr](mailto:faculty@dgist.ac.kr)
- Web-page : [dgist.career.co.kr](http://dgist.career.co.kr)

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**      Academic Affairs Team

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