

## DGIST Tenure-Track Faculty Position Opening 2025-1 DGIST

Direct Link: <https://www.AcademicKeys.com/r?job=255709>

Downloaded On: Apr. 16, 2025 12:48am

Posted Apr. 14, 2025, set to expire Oct. 14, 2025

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| <b>Job Title</b>            | DGIST Tenure-Track Faculty Position Opening 2025-1  |
| <b>Department</b>           | Academic Affairs Team<br><a href="https://www.dgist.ac.kr/">https://www.dgist.ac.kr/</a>  |
| <b>Institution</b>          | DGIST<br>Daegu, , South Korea   |
| <b>Date Posted</b>          | Apr. 14, 2025   |
| <b>Application Deadline</b> | May 16, 2025  |
| <b>Position Start Date</b>  | Sep. 1, 2025  |
| <b>Job Categories</b>       | Assistant Professor<br>Associate Professor<br>Professor   |
| <b>Academic Field(s)</b>    | Biology - General<br>Sciences - General<br>Biology - Cell Biology<br>Biology - Computational<br>Biology - Molecular<br>Biology - Neuroscience/Neurobiology<br>Biomedical Sciences<br>Chemistry - General<br>Chemistry - Analytical<br>Chemistry - Biochemistry<br>Chemistry - Inorganic<br>Chemistry - Physical<br>Computer/Information Sciences<br>Materials Sciences/Polymer Sciences<br>Physics - General<br>Physics - Atomic/Molecular/Optical/Plasma |

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Physics - Condensed Matter/Low Temperature

Physics - Elementary Particles/Nuclear

**Job Website** <https://dgist.fairy.im>

**Apply Online Here** <https://dgist.fairy.im>

**Apply By Email**

**Job Description**

< DGIST Tenure-Track Faculty Position Opening 2025-1 >

DGIST, with the world-class research environment and highly talented students, is seeking exceptional faculty members to join our mission. Committed to becoming a 'Top-Class University that Changes the World,' we are honored to invite you to be a part of this mission.

### 1. Position Categories

- Assistant Professor (full-time tenure-track)
- Associate Professor (full-time tenure-track)
- Professor (full-time tenure-track)

### 2. Number of Openings : Up to 30

### 3. Hiring Departments and Academic Fields

#### 1) Department of Physics and Chemistry

- Chemistry:
  - Physical Chemistry: AI and Computational Chemistry
  - Inorganic Chemistry: Bio-inorganic Chemistry
  - Analytical Chemistry: Electrochemistry
  - Polymer Chemistry
  - Biochemistry
  - All areas in chemistry for exceptional candidates
- Physics

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- Quantum Science and Engineering (Quantum Computing, Quantum Sensing, Quantum Simulation, Quantum communication)
- Experimental Condensed Matter Physics
- Semiconductor Physics
- Optics (Nano Optics, Quantum Optics, AMO, Optical Imaging)
- Statistical Physics (AI-driven, Machine Learning, Bio, Complex, Social, Non-equilibrium)
- Biophysics
- All areas in physics for exceptional candidates

### 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 for Robotics: AI algorithm, deep learning, machine learning, motion planning, intelligent control, and other related topics
- Autonomous Mobilities: 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
- Biomedical Engineering and Healthcare in AI and Robotics (MD Recommended)

### 4) Department of Energy Science and Engineering

All areas in Energy Science and Engineering (ESE) related to energy conversion, storage, and conservation 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
- Modeling, computation, and simulation

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- Microscopy; analytical TEM, super-resolution microscopy, tomography, simulation
- X-ray spectroscopy

### 5) Department of Brain Sciences

- 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

- Omics-driven Biology (Single-cell Genomics, Transcriptomics, Metabolomics etc)
- Plant Biology
- \* Candidates with an MD/PhD are preferred

### 4. Position Start Date and Procedure

- ? The Appointment date can be adjusted in consultation with the department.
- ? The evaluation, interview process, and final decision will be completed within six months after the application submission.
- ? Application Process:
  - 1) Application Screening (May~June, 2025)
  - 2) Department Interview (on-site or online) (June~July, 2025)
  - 3) Faculty Hiring Committee Interview (on-site or online) (July, 2025)
  - 4) Final Decision (Aug, 2025)
- \*Decision at each step will be communicated individually via email

### 5. Qualification

- ? Applicants must hold a doctoral degree in a closely related engineering or science discipline at the time of the appointment.
- ? Proficiency in English is required, as all lectures at DGIST are conducted in English.
- ? Female candidates are strongly encouraged to apply.

### 6. Application Instructions & Required Documents

- ? Application Period  
April 10, 2025(Thu.) ~ May 16, 2025(Fri.) 17:00(GMT+09:00)
- ? Application Website: <https://dgist.fairy.im>
- ? Anticipated Starting Date: In September 2025
- ? Required Documents:

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- 1) Curriculum Vitae
- 2) Teaching Plan
- 3) Research Plan
- 4) Personal Statement
- 5) Maximum Five Representative Achievements (selected from Journal Publications, Books, Patents, or Research Support), with mandatory submission of supporting documents
- 6) Contact Information for Reference Letters (three or more): The information should include the institution, department, position, email address, phone number, and the relationship with the applicant.

\*Note: Reference letters are required only for the candidates who pass the application screening stage. These letters should be sent directly to the corresponding department prior to the interview.

### 7. Benefits & Support (Start-up Package)

?Start-up Funds Support at the highest level in Korea

?Faculty Residence : 76 to 132 m<sup>2</sup> units (130 units in total)

Support for on-campus housing deposit and monthly rent provided for up to six years

?Individual Research Offices and Laboratories

?Graduate Student Stipend Support

?Relocation Expenses Support

?Other : Travel Expense Support for Applicants

### 8. Promoting Gender Equality and Work-life Balance

DGIST is dedicated to creating an inclusive and equitable environment. We actively promote gender equality and implement work-life balance initiatives to support faculty members in achieving both professional excellence and personal fulfillment.

#### 1) During Pregnancy

- Reduction of working hours (considered paid working time)
- Regular leave for medical checkup
- Leave for fertility treatments

#### 2) Post Pregnancy

- Monetary gift for childbirth
- Maternity leave
- Leave for miscarriage and Stillbirth

#### 3) During Parenting

- Reduction of working hours during the childcare period
- Childcare leave (including paternity leave)

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- On-campus and off campus daycare centers

#### 4) Housing Support

- On-campus faculty apartment provided

#### 9. Matters of Consideration

? Applications will be accepted on a rolling basis until the position is filled.

? Selected candidates at each stage will be notified individually with detailed information regarding the terms of employment.

? The appointment shall be canceled under the following circumstances:

- If false entries or modifications are found in the application form.
- If the candidate fails to obtain a doctoral degree at the time of appointment.

? The appointment and acceptance will also be canceled if the candidate, or someone closely related to the candidate, engages in any form of misconduct, such as making improper requests, exerting pressure, or offering financial benefits in relation to the hiring process, resulting in their unfair selection.

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

? Matters not specified in this announcement will be governed by DGIST Faculty Personnel Management regulations and related policies.

? For inquiries, please contact the Academic Affairs Team at DGIST:

- Email: [faculty@dgist.ac.kr](mailto:faculty@dgist.ac.kr)
- Website: <https://dgist.fairy.im>

### Contact Information

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

**Contact**      Academic Affairs Team  
Academic Affairs Team

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