

2025-2

# DGIST Tenure-Track Faculty Position Opening

**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 10

## 3 Hiring Departments and Academic Fields

### Department of Physics and Chemistry

- All areas in Physics
- All areas in Chemistry

### 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 (MD-PhD Preferred), 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

### 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-PhD Preferred)
- All areas in Robotics and Mechatronics Engineering for exceptional candidates

### Department of Energy Science and Engineering

- AI-Driven Theoretical Research
  - Development of artificial intelligence (AI) and machine learning (ML) techniques for the design and optimization of energy materials and devices
  - Data-driven modeling and prediction of energy conversion and storage mechanisms
- Computational Modeling and Simulation
  - First-principles calculations (e.g., DFT), molecular dynamics (MD), and multiscale simulations targeting electronic, thermal, and optoelectronic properties
  - Computational design and optimization of next-generation energy devices
- Advanced Spectroscopy and Microscopy
  - Material and device characterization using state-of-the-art spectroscopy techniques, including X-ray spectroscopy, electron spectroscopy, and optical spectroscopy
  - High-resolution analytical TEM, super-resolution microscopy, 3D tomography, and simulation-assisted structural analysis
- Energy Materials and Devices
  - Design, fabrication, and characterization of batteries, fuel cells, solar cells, catalysts, and related semiconductor materials
  - Device physics and engineering of electronic and optoelectronic devices for energy applications

### 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)

### Department of New Biology

- Omics-driven Biology (Single-cell Genomics, Transcriptomics, Metabolomics etc)

- Plant Biology
- \* Candidates with an MD/PhD are preferred

## 4 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.

## 5 Application Instructions & Required Documents

- Application Period : July 4, 2025 (Fri.) ~ July 29, 2025 (Tue.) 17:00 (GMT+09:00)
- Application Website : <https://dgist.fairy.im>
- Anticipated Starting Date : Dec. 1, 2025.
- Required Documents :
  - 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.

## 6 Benifits & 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

## 7 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)
- On-campus and off campus daycare centers

### 4) Housing Support

- On-campus faculty apartment provided

## 8 Matters of Consideration

- Applications will be accepted on a rolling basis until the position is filled.
- The appointment date may be postponed due to internal circumstances at DGIST.
- 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>