

2024-2025 Tenure-Track Faculty DGIST

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

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

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

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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 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
- ? 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
- Web-page : 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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