Tenure-track Faculty Positions in Mechanical Engineering at POSTECH

The Department of Mechanical Engineering at Pohang University of Science and Technology (POSTECH) is committed to educating future leaders in mechanical engineering who will drive technological innovation in the era of the Fourth Industrial Revolution. We strive to contribute to the advancement of humanity through the development of groundbreaking technologies in mechanical engineering.

We invite applications for full-time faculty positions from outstanding individuals with a strong commitment to excellence in research and education who share our vision and aspirations.

A. Areas of Recruitment

1. Advanced Biofabrication and Biomedical Systems (Open Positions: 00)

- Biofabrication & Biomanufacturing
- Microphysiological Systems & NAMs
- Multiscale Biomechanics & Mechanobiology
- Neural Interfaces & Bioelectronics for Health

2. Physical AI and Intelligent Robotic Systems (Open Positions: 00)

- Learning-based Robotics and Control
- Robot Locomotion and Mobility
- Robotic Manipulation
- Embodied Intelligence
- Autonomous and Adaptive Robotic Systems
- Sim-to-Real / Real-world Robot Learning
- Optical Vision and Sensing System

3. Intelligent and Sustainable Energy Systems and Engineering (Open Positions: 00)

- AI-driven Computational Science and Engineering
- Computational Thermofluids and Energy Transport
- Energy System Integration, Scale-up, and Demonstration
- Advanced Thermal Management and Heat Transfer
- Advanced Energy Conversion and Propulsion Systems

B. Expected Appointment Date

- First half of 2027 (The specific appointment date is negotiable.)

C. Qualifications

Applicants must:

- Have no legal grounds for disqualification from faculty appointment at a private university in Korea.
- Hold a Ph.D. in Mechanical Engineering or a closely related field.
- Be capable of teaching courses in English.

D. Required Application Materials

- Curriculum Vitae (CV), including a list of research achievements such as selected major research accomplishments, publications, patents, technology transfer records, and awards.
- Statement of Teaching and Research Plans.
- Contact information for at least three referees.

E. Application Submission and Inquiries

Application Submission

Applications must be submitted through the POSTECH Faculty Recruitment Portal:
https://faculty.postech.ac.kr/eng/facwp_adm/

Inquiries

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F. Additional Information

- Shortlisted candidates will be invited to participate in interviews and deliver a public research presentation as part of the selection process.
- Submitted documents will not be returned under any circumstances.
- The university reserves the right not to fill a position if no suitable candidate is identified.

Privacy Notice

POSTECH collects and processes personal information provided by applicants, including curriculum vitae, teaching and research plans, research achievements, and referee information, for the purpose of administering the faculty recruitment process and evaluating applicants.

The collected personal information will be used solely for faculty recruitment evaluation and related administrative purposes. All personal information will be securely managed in accordance with applicable laws and the university's privacy policies and will be destroyed upon expiration of the applicable retention period.