

※ This announcement is for foreigners who have difficulty using Korean.

As a government-funded research institution, Korea Research Institute of Standards and Science(KRISS) performs research involving basic and original technology in all areas of science and technology. Based on the National Competency Standards associated with blind recruitment, it now calls for competent scientists from various areas who are encouraged to pursue their dream and passion at KRISS.

☐ Areas for Employment

Field		Assigned Task	Personnel	Code
Physical Metrology	Length and Dimensional Metrology1	<ul style="list-style-type: none"> • Optics assembly, alignment, and measurement • Precision optics design and analysis 	1	A01
	Length and Dimensional Metrology2	<ul style="list-style-type: none"> • Development of optical metrology for 3D-stacked device structures • Development of picometer-scale ultra-precision metrology 	1	A02
	Non-Destructive Metrology	<ul style="list-style-type: none"> • Modeling of Ultrasound or Electromagnetic Wave Propagation Visualization • Analysis and Interpretation of Ultrasound or Electromagnetic Wave Signals • Design of Ultrasound or Electromagnetic Wave Sensors and Circuits 	1	A03
Chemical and Material Metrology	Material Property Metrology	<ul style="list-style-type: none"> • Development of a tuning-fork-based vacuum PiFM system and a liquid-phase PiFM platform for nanoscale spatially resolved spectroscopic characterization of nanobiomaterials 	1	B01
Biomedical Metrology	Biometrology1	<ul style="list-style-type: none"> • Development of measurement standards for advanced biopharmaceuticals and biomaterials for precision medicine • Development of reference materials and measurement methods for quality control of advanced biopharmaceuticals 	1	C01
	Biometrology2	<ul style="list-style-type: none"> • Research and development of nucleic acid-based pathogen detection assays • Research and development of biomaterial lyophilization methods 	1	C02
	Biometrology3	<ul style="list-style-type: none"> • Development of DNA and RNA measurement methods • Development of nucleic acid reference materials and measurement procedure for infectious disease & cancer diagnosis 	1	C03

Field		Assigned Task	Personnel	Code
	Nanobio Measurement1	<ul style="list-style-type: none"> • Physicochemical characterization and precision measurement of nanomaterials (e.g., BET analysis) • Evaluation of nanomaterial behavior and stability in liquid media (dissolution, dispersion, aggregation, and agglomeration) • Preparation and management of test nanomaterial samples for collaborative research projects 	1	C04
	Nanobio Measurement2	<ul style="list-style-type: none"> • Development of Proteomics-Based Safety and Efficacy Evaluation Technologies • LC-MS/MS-Based Proteomics Analysis 	1	C05
Quantum Technology	Quantum Magnetic Sensing1	<ul style="list-style-type: none"> • Development of skyrmion motion technology using photon squeezing • Development of fundamental technologies for implementing quantum skyrmions • Analysis of the characteristics of skyrmion-based probabilistic devices 	2	D01
	Quantum Magnetic Sensing2	<ul style="list-style-type: none"> • Development of a Magneto-Optical Kerr Effect Microscope • Application Experiments Using Magneto-Optical Kerr Effect Microscope • 2D material growth and Thin-film growth 	1	D02
	Quantum Magnetic Sensing3	<ul style="list-style-type: none"> • Quantum Materials Exploration: Investigating and searching for novel quantum materials and systems leveraging solid-state point defects • Quantum Sensing & Instrumentation: Developing cutting-edge quantum magnetic field sensors and related instrumentation based on diamond Nitrogen-Vacancy (NV) centers 	1	D03
	Quantum Information Networking1	<ul style="list-style-type: none"> • Participation in research on optics-based quantum networking • Participation in research on single-photon quantum information processing 	2	D04
	Quantum Information Networking2	<ul style="list-style-type: none"> • Quantum optical sensing technology and metrology • Quantum entangled photon pair sources and quantum interferometry technology 	1	D05
	Quantum Electricity and Magnetism Metrology	<ul style="list-style-type: none"> • Development of an automated control system for magnetic field calibration and measurement • Improvement of measurement uncertainty using an He/Rb-based magnetometer 	1	D06
	Atomic Quantum Sensing1	<ul style="list-style-type: none"> • Research on the Control of Laser-Cooled Atoms • Research on Gravity, gravity gradiometer and Inertial Sensors Using Atomic Interferometers 	2	D07

Field		Assigned Task	Personnel	Code
	Atomic Quantum Sensing2	<ul style="list-style-type: none"> • Generation and control of on-chip microcombs • Development of quantum information systems based on atomic chipcells and photonic integrated circuits 	1	D08
	Neutral Atom Quantum Computing	<ul style="list-style-type: none"> • Neutral atom quantum computing platform development • Laser and optical control technologies • Quantum computer control and operation development 	2	D09
Strategic Technology Research	Space Metrology	<ul style="list-style-type: none"> • Fabrication of precision optics using ion beam figuring machine • Measurement of precision optics using laser interferometers 	1	E01
	Hydrogen Energy1	<ul style="list-style-type: none"> • Development of hydrogen environment simulation models and material modeling based on property databases • Establishment of structural integrity assessment and life-prediction algorithms 	1	E02
	Hydrogen Energy2	<ul style="list-style-type: none"> • Observation of the effect of hydrogen environment on mechanical behavior of polymers • Evaluation of long-term durability of polymer components used in hydrogen infrastructure 	1	E03
	Hydrogen Energy3	<ul style="list-style-type: none"> • Development of thermal conductivity evaluation techniques for liquid hydrogen insulation materials • Development of BOG measurement and evaluation techniques for liquid hydrogen • Development of safety assessment technologies for cryogenic hydrogen infrastructure 	1	E04
	Emerging Research Instruments	<ul style="list-style-type: none"> • Development of advanced equipment and application research using electron beam optics technology – Development of Metrological-SEM (Scanning Electron Microscope) – Development of 4D-STEM (Scanning Transmission Electron Microscope) 	1	E05
Superconducting Quantum Computing System1		<ul style="list-style-type: none"> • Design and Optimization of High-Performance Superconducting Quantum Processor Architectures Suitable for Error Correction • Optimization of Qubit Frequency Layout Based on Unit Cells • High-Fidelity Quantum Gate Simulation • Design of Variable Couplers for High-Speed Quantum Gates • Development of Purcell Filters for High Measurement Fidelity 	1	F01

Field	Assigned Task	Personnel	Code
Superconducting Quantum Computing System2	<ul style="list-style-type: none"> • Development of Fabrication Processes for High-Performance Superconducting QPUs • 3D Packaging for QPUs with More Than 100 Qubits • Yield and Variability Control for Large-Area Wafer-Scale QPU Fabrication • Quality Control of Large-Area Superconducting Thin Films and Optimization of Wafer-Scale Electron-Beam Lithography and Josephson Junction Fabrication Processes 	1	F02
Superconducting Quantum Computing System3	<ul style="list-style-type: none"> • Control of Superconducting Qubits and Noise Analysis for Quantum Gate Implementation • Development of Cryogenic Low-Noise Measurement Technologies for High Measurement Fidelity • Development of Integrated Software for the Operation of Large-Scale QPUs with More Than 100 Qubits • Development and Experimental Implementation of Error Correction and Error Mitigation Techniques 	1	F03

※ Candidates can apply in only one of the recruitment fields, and admission is cancelled if overlapping or cross-applications are confirmed.

☐ Eligibility

Classifi- cation	Description
Post-doc.	<ul style="list-style-type: none">○ Eligibility requirements<ul style="list-style-type: none">– Those who do not fall under the reasons for disqualification for appointment<ul style="list-style-type: none">• Those who have not suspended or deprived voting rights by law• Those who have not evaded military service obligations• Those who have not been caught for fraudulent employment• Those who have not been dismissed due to misconduct• Those without reasons for disqualification for overseas travel– Those who earned their Ph.D. within the past 5 years or will earn their Ph.D. within the next 3 months as of the scheduled date of employment○ Preferential treatment<ul style="list-style-type: none">– Those of national merit, those eligible for employment support, those with disabilities and Women in science and technology are eligible for preferential treatment if they submit evidentiary documents.

☐ How to apply

- Online Application on the KRISS Job Page (<https://kriss.fairy.im/>)
- Submission Period: June 11, 2026 (Thu) - June 26, 2026 (Fri), 11:00 AM
 - ※ Korean Standard Time, UTC+9

□ Process

Process	Description
1st Screening (Document)	<ul style="list-style-type: none"> ○ Evaluation of expertise and competence in each area for employment <ul style="list-style-type: none"> – Evaluation items: performance, experience, capability, competence, etc. – Criteria for passing: Each applicant will be evaluated with a five-point scale in comprehensive consideration of evaluation items. Applicants who earn high scores among those who earn at least 80 points on average based on the aggregate points granted by each evaluator. – No. of applicants selected: within three times the expected number of new hires
2nd Screening (Interview)	<ul style="list-style-type: none"> ○ Research performance seminar and personality interview <ul style="list-style-type: none"> – Evaluation items: basic attitude, thinking ability, presentation ability, potential, knowledge – Criteria for passing: Applicants who earn high scores among those who earn at least 80 points on average based on the aggregate points granted by each evaluator. – No. of applicants selected: within the expected number of new hires

※ Applicants who reside overseas may have a video interview in the 2nd screening.

□ Required documents

Classification	Description
Application Form	<ul style="list-style-type: none"> ○ Self-introduction, experience statement, article and patent performance list, etc. ※ Fill out through the online job posting website.
Before 2nd Screening	<ul style="list-style-type: none"> ○ Presentation materials for research performance seminar ○ Certificates of graduation of all university/graduate school programs <ul style="list-style-type: none"> ※ Only official certificates of graduation(official diplomas) are acceptable. Provisional certificates(letter, etc.) are not accepted. ※ Documents submitted before 2nd screening are not provided to evaluators.
After 2nd Screening	<ul style="list-style-type: none"> ○ Transcripts of graduation of all university/graduate school programs ○ Proof of research achievements(paper, patent, etc.) written in application form ○ Proof of career/employment, copies of certificates of qualifications, certificate of military service (if applicable) ○ Certificate of disability, certificate of eligibility for employment protection (if applicable) ※ Documents submitted after 2nd screening are not provided to evaluators.

☐ Timeline

Process	Date	Remarks
Recruitment Announcement	June 11 - June 26, 2026	Timeline is subject to change due to the institution's circumstances.
Application Period	June 11 - June 26, 2026	
1st Screening	July 2026	
2nd Screening	Late July - Early August 2026	
Announcement of Candidates Passing the 2nd Screening	August 2026	
Scheduled Date of Employment	September 1, 2026	

☐ Training conditions

Classification	Description
Term of contract	<ul style="list-style-type: none">○ Contract within one year<ul style="list-style-type: none">※ Training is possible until the end of the project in the 5th year after obtaining doctoral degree.※ Eligibility for the Project-Based Tenure Program may vary according to internal regulations as of the appointment date.※ If the result of training evaluation is insufficient, the training period cannot exceed 3 years.※ Non-completion of required security training following a security violation may affect contract renewal.
Working conditions	<ul style="list-style-type: none">○ Wage: To be determined through career grading applicable to regular employees based on the institution's own evaluation criteria

□ Other information

- Failure to comply with the blind recruitment requirements during screening process may result in penalties such as deductions.

- Do not write prejudice factors—such as age, gender, place of origin, family relations, and the applicant's name—in the self-introduction letter. (You can fill out prejudice factors if requested directly on the application form though.)

- Candidates will be selected within the planned number of successful candidates for each stage. If no qualified candidates are identified in a given field, the position may remain unfilled.
- Candidates are responsible for any disadvantages resulting from omitted documents or false entries/submissions.
- If any fraudulent behavior or false information is discovered during the screening process, acceptance and appointment may be canceled.
- Candidates found to have engaged in fraudulent practices may be restricted from applying for public institution recruitment exams for the next five years.
- Reserve candidates may be selected in preparation for possible cancellations or declinations of final offers.
- In accordance with Article 11 of the Fair Hiring Procedure Act, applicants may request the return of original submitted documents after the hiring decision has been finalized. Documents will be returned upon identity verification.
- Preferential treatment will be given to eligible persons such as veterans and persons with disabilities in accordance with relevant laws, provided that supporting documents are submitted.
- To enhance institutional competitiveness and attract talent with job competency, KRISS may collect and use information such as the name of the university/graduate school attended, research laboratory, and academic advisor.
- For further inquiries, please contact the recruitment website's Q&A section.
 - Email: ssbaek@kriss.re.kr