※ 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	Acoustics, Ultrasound and Vibration Metrology1	• Establishment of measurement standards for bone conduction-based hearing devices • Development of calibration and personalization methods for smart device-based wearable hearing devices in digital domain	1	A01
	Acoustics, Ultrasound and Vibration Metrology2	• Development of optics-based high frequency ultrasound measurement standard • Development of high-intensity ultrasound measurement technology • Development of medical focused ultrasound technology	1	A02
	Nondestructive Metrology1	• Analysis and simulation of elastic waves for ultrasonic measurement • Design and application of elastic metastructures	1	A03
	Nondestructive Metrology1 (YS*)	Only Koreans can apply	1	A04
Chemical and Material Metrology	Inorganic Metrology	• Development of measurement methods for inorganic analysis (ICP-MS, IC, etc.) • Development of certified reference materials for inorganic analysis • Isotope ratio measurements and sample preparation method for inorganic analysis	1	B01
	Emerging Material Metrology1	• Development of high-performance water electrolysis catalysts and electrode manufacturing technology for green hydrogen production, and full-cycle deta collection and utilization technology of water electrolysis systems	1	B02
	Emerging Material Metrology2	• Cross-validation of thermoelectric measurement techniques for nano- and thin-film materials • Development of thermoelectric measurement techniques for anistoropic materials (2D or composite materials)	1	B03

Field		Assigned Task	Personnel	Code
	Emerging Material Metrology3	• Measurements and evaluations technology of secondary battery materials for multi-/extreme-environment uses • Real-time/in-operando measurement technology for secondary battery materials	1	B04
	Emerging Material Metrology4 (YS*)	Only Koreans can apply	1	B05
	Material Property Metrology	• Quantum transport theory in 2D vdW quantum materials (superconductivity, electron-phonon coupling, vertical charge transport)	1	B06
Biomedical Metrology	Nanobio Measurement1 (YS*)	Only Koreans can apply	1	C01
	Nanobio Measurement2	• Development of optical imaging technologies based on interferometry or nonlinear optics for biomedical applications • Development of nanobio materials and cell analysis for ATMP using hyperspectral dark-field microscopy	1	C02
	Radioactivity	• Development of Radioactivity Measurement Standards for Nuclear Decommissioning Wastes • Development of Proficiency Test Materials for Nuclear Decommissioning Wastes • Development of Radiochemical Analysis Methods • Development of Monte Carlo Simulation Codes for Radiation Detectors	1	C03
Quantum Technology	Atomic Quantum Sensing1	• Designing a miniature low power consumption atomic quantum system • Developing a portable laser system for Sr atom cooling and quantum state control	1	D01
	Atomic Quantum Sensing2	• A Study on the Control of Cold Atoms Using Laser • A Study on gravimeter, gravity gradiometer, and inertial sensors based on atomic Interferometer	2	D02
	Atomic Quantum Sensing3 (YS*)	Only Koreans can apply	1	D03
	Quantum Magnetic Sensing1	• Spin structure with Scanning Electron Microscopy with polarization Analysis	1	D04
	Quantum Magnetic Sensing2	• Design and build a magneto-optical imaging system • Magnetic Image Measurement and Analysis • Micromagnetic simulation	1	D05

Field		Assigned Task	Personnel	Code
	Quantum Magnetic Sensing3	• Theoretical analysis of the physical properties of solitons (such as magnetic skyrmions) occurring in superconductors	1	D06
	Quantum Magnetic Sensing4	• Spintronics device design and fabrication using sputtering/lithography • Analysis of spintronics device property	1	D07
Strategic Technology Research	Semiconductor and Display Metrology1	• Development of multifunctional infrared image sensor technology • Development of photo diode and avalanche photo diode basic unit process technology for image sensors and Lidar sensors	1	E01
	Semiconductor and Display Metrology2	• Large area & high crystalline synthesis of 2D materials using thermal assisted conversion (TAC) process • Crystal structural anaylsis for 2D materials using high-resolution X-ray diffraction	1	E02
	Semiconductor and Display Metrology3	• Development of real-time monitoring technology for key reactive species in semiconductor etching processes using mid-infrared dual-comb spectroscopy and its application to carbon-neutrality processes	1	E03
	Semiconductor and Display Metrology4	• Study on the atmospheric chemical dynamics of alternative GHGs for semiconductor processes using comb-based time- and frequency-resolved spectroscopy	1	E04
	Semiconductor and Display Metrology5	• Development of plasma modeling and laser-based spatial distribution measurement techniques for semiconductor process gas monitoring	1	E05
	Semiconductor and Display Metrology6 (YS*)	Only Koreans can apply	1	E06
	Space Metrology1	• Setup of a RETM technique by combining synchrotron X-ray instrument and high pressure and temperature system	1	E07
	Space Metrology2	• Thermo-mechanical properties of high temperature materials • Phase transition study	1	E08
Superconducting Quantum Computing System		• Design, fabrication and characterization of superconducting transmon qubit • Hardware components for superconducting quantum computer • Development of microwave control and measurement technology for superconducting qubit • Development of quantum algorithm and error reduction method	2	F01

Field	Assigned Task	Personnel	Code
National Quantum Policy	• Establishing National Policies and Strategies for Quantum Science and Technology - Establishment of Master Plan and Implementation Plan for Promoting Quantum Technology and Industry - Legal Survey and Statistics Analysis in The Field of Quantum - Operation and Management of Quantum Strategy Council and Advisory Group - Investigating the status of quantum technology and discovering policy agendas	1	G01

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

※ Only Koreans can apply for YS Fields.

☐ Eligibility

Classifi-cation	Description
Post-doc.	○ Eligibility requirements - Those who do not fall under the reasons for disqualification for appointment · 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 - 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.recruitment.kr)

○ Period for submission: June 26, 2025 (Thur) ~ July 11, 2025 (Fri), 11:00 PM

※ Korean time(UTC+9)

☐ Process

Process	Description
1st screening (Document)	○ Evaluation of expertise and competence in each area for employment - 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
Online personality test	Koreans only
2nd screening (Interview)	○ Research performance seminar and personality interview - 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	○ Self-introduction, experience statement, article and patent performance list, etc. ※ Fill out through the online job posting website.
Before 2nd screening	○ Presentation materials for research performance seminar
After 2nd screening	○ Transcripts/certificates of graduation of all university/graduate school programs ※ Only official certificates of graduation(official diplomas) are acceptable. Provisional certificates(letter, etc.) are not accepted. ○ 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
Employment notice	June 26 to July 11, 2025	Timeline is a subject to change due to the institution's circumstances.
Receipt of application forms	June 26 to July 11, 2025	
1st screening	During July, 2025	
2nd screening	During August, 2025	
Announcement of successful applicants of 2nd screening	Late August, 2025	
Scheduled date of employment	September 1(Mon), 2025	

☐ Training conditions

Classification	Description
Term of contract	○ Contract within one year ※ Training is possible until the end of the project in the 5th year after obtaining doctoral degree. ※ If the result of training evaluation is insufficient, the training period cannot exceed 3 years.
Working conditions	○ 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