※ 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	Non-Destructive Metrology1	• AI-based ultrasound imaging with high precision • Signal processing, modelling for mechanical waves • Design & fabrication of brand new ultrasound sensors	1	A01
	Non-Destructive Metrology2	• Development of acoustic metamaterial design technology and sensor systems • Fabrication of metamaterials, acoustic experiments, and analysis of experimental results	1	A02
	Non-Destructive Metrology3	• Development of numerical modeling technology for structures based on multi-fidelity analysis • Development of probabilistic performance assessment technology for structures	1	A03
	Physical Metrology	• Development of measurement techniques and principle of surface charge distribution on the surface of nanostrucutres in liquids • Development of measurement standards of nanoparticle sizing	1	A04
Chemical and Material Metrology	Inorganic Metrology1	• 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
	Inorganic Metrology2	• Development of inorganic analysis methods for matrix samples such as particulate matter: ICP-MS, sample preparation methods, etc. • Development of reference materials for inorganic analysis	1	B02
	Emerging Material Metrology	• Development of high-performance water electrolysis catalysts and electrode manufacturing technology for green hydrogen production, and full-cycle data collection and utilization technology of water electrolysis systems	1	B03
	Material Property Metrology	• Development of electron microscopy-based in-situ measurement techniques for characterizing materials properties (mechanical, adhesion, and electro-mechanical properties)	1	B04

Field		Assigned Task	Personnel	Code
Biomedical Metrology	Nanobio Measurement1	• Analysis of physicochemical properties of various advanced nanomaterials and nano-bio materials using a single particle inductively coupled plasma mass spectrometry	1	C01
	Nanobio Measurement2	• Development of reference materials for nanoplastic	1	C02
	Medical Metrology	• Development of advanced sensor technologies for medical biosignals such as EEG, ECG, PPG, blood pressure, body temperature, etc. • Development of personalized devices/systems and advanced analysis technologies for measurement of biosignals	1	C03
Quantum Technology	Quantum Optics	• Quantum circuit optimization with machine learning (theory) • Quantum metrology from quantum information perspective (theory)	1	D01
	Quantum Magnetic Sensing1	• Spin structure with Scanning Electron Microscopy with polarization Analysis	1	D02
	Quantum Magnetic Sensing2	• Spin materials research for quantum skyrmion formation • Quantum skyrmion device fabrication and its characterization	1	D03
	Quantum Device	• Research and development of optomechanical devices based on silicon nanophotonic structures and hybrid quantum systems based on superconducting quantum circuits and nanophotonic devices	1	D04
	Atomic Quantum Sensing	• Development of neutral atom qubit measurement and control technology for quantum computation • Development of neutral atom quantum computation/quantum simulation	2	D05
Strategic Technology Research	Semiconductor and Display Metrology1	• Development and Performance Evaluation of Semiconductor Materials and Devices	1	E01
	Semiconductor and Display Metrology2	• Development of Metrology for Greenhouse gas analysis • Trace Analysis of process gas mixture in Semiconductor and Display field	1	E02
	Space Metrology	• Thermo-mechanical properties of high temperature materials • Phase transition study	1	E03
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
Quantum National Technology Strategy	• 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 - Quantum R&D Program Analysis and Planning Quantum Technology Roadmap	2	G01

※ 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.	○ 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: 24th Dec. 2024 (Tue.) ~ 8th Jan. 2025 (Wed.), 11:00

※ 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	24th Dec., 2024 ~ 8th Jan., 2025	Timeline is a subject to change due to the institution's circumstances.
Receipt of application forms	24th Dec., 2024 ~ 8th Jan., 2025	
1st screening	Mid Jan., 2025	
2nd screening	Late Jan. ~ Early Feb., 2025	
Announcement of successful applicants of 2nd screening	Mid Feb., 2025	
Scheduled date of employment	1st Mar., 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 may result in penalties such as deductions.

- Do not write prejudice factors—such as age and gender—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 screening process. If no qualified candidates are identified in a given field based on the results, the position may not be filled.

○ Candidates are responsible for any disadvantages due to omission of documents to be submitted or false entry/submission.

○ Acceptance and appointment may be canceled if fraudulent behavior or false entry in the application form is found during the screening process.

○ Candidates disqualified for fraudulent practices may be restricted from applying for public institution recruitment exams for the next five years

○ KRISS can require the name of university/graduate school which applicant graduated, information on research laboratory, and professor's name who was academic advisor of applicant in order to strengthen institutional competitiveness and attract talents with job competency.

○ If you have any questions, contact the recruitment site Q&A.

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