※ 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
Chemical and Material Metrology	Material Property Metrology1 (YS*)	Only Koreans can apply	1	A01
	Material Property Metrology2	• Development of electron microscopy-based in-situ measurement techniques for characterizing materials properties (mechanical, adhesion, and electro-mechanical properties)	1	A02
	Inorganic Metrology1 (YS*)	Only Koreans can apply	1	A03
	Inorganic Metrology2	• Isotope ratio measurements of inorganic elements and species • Development of measurement methods and reference materials for inorganic analysis	1	A04
	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	A05
Biomedical Metrology	Medical Metrology (YS*)	Only Koreans can apply	1	B01
	Ionizing Radiation (YS*)	Only Koreans can apply	1	B02
	Biometrology1	• Proteome measurement using high-resolution mass spectrometer • Establish quality control system for big data in proteomics	1	B03
	Biometrology2	• Development of nucleic acids measurement standards • Development of measurement standards in genetic tests, biopharmaceuticals and synthetic biology	1	B04

Field		Assigned Task	Personnel	Code
	Nanobio Measurement1	• Analysis of AAV properties using single particle ICP-MS • Measurement of physicochemical properties for advanced nanomaterials using single particle ICP-MS	1	B05
	Nanobio Measurement2	• Development of waveguide photonics chips for large field-of-view single-molecule fluorescence microscopy • Development of digital bioassay methods for detection of illicit drug usage	1	B06
Quantum Technology	Quantum Device	• Development of a theory for quantum tomography of single-electron states • Development of a theory for a quantum interferometer of single electrons	1	C01
Strategic Technology Research	Space Metrology1 (YS*)	Only Koreans can apply	1	D01
	Space Metrology2	• Optical metrology for space optics • Development of automatic polishing technology for large mirror • Development of large mirror using SiC	1	D02
	Semiconductor and Display Metrology1	• Development and Performance Evaluation of Semiconductor Materials and Devices	1	D03
	Semiconductor and Display Metrology2	• 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	D04
	Semiconductor and Display Metrology3	• Study on the atmospheric chemical dynamics of alternative GHGs for semiconductor processes using comb-based time- and frequency-resolved spectroscopy	1	D05
	Semiconductor and Display Metrology4	• Development of laser-based CT-OES and plasma optical diagnostics technology for semiconductor and display processes using this method	1	D06
	Semiconductor and Display Metrology5	• Research on developing real-time nano-optical measurement instruments for key measurement technologies of semiconductor processes	1	D07
	Time & Frequency	• Laser cooling and spectroscopy of atom • Development of compact laser cooled atomic clock • Development of atomic fountain clock	1	D08

Field		Assigned Task	Personnel	Code
	Emerging Research Instruments	• Development of scanning electron diffraction microscopy hardware and software • Development of ptychography algorithms • Micro/nanoscopic analysis of semiconductor devices • Overseas research assignments	1	D09
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	E01

※ 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: 26th Sep. 2024 (Thu.) ~ 11th Oct. 2024 (Fri.), 13:00

※ 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.
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.

※ 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	26th Sep. ~ 11th Oct., 2024	Timeline is a subject to change due to the institution's circumstances.
Receipt of application forms	26th Sep. ~ 11th Oct., 2024	
1st screening	Mid Oct., 2024	
2nd screening	Late Oct. ~ Early Nov., 2024	
Announcement of successful applicants of 2nd screening	Mid Nov., 2024	
Scheduled date of employment	1st Dec., 2024	

☐ 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.)

○ No one may be employed if no applicant is found qualified after the screening process.

○ 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.

○ 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.

- Email: dmjung@kriss.re.kr