※ 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 Metrology (YS*)	Only Koreans can apply	1	A01
Chemical and Material Metrology	Inorganic Metrology (YS*)	Only Koreans can apply	1	B01
	Emerging Material Metrology1	• Developments of high energy cathode materials for advanced lithium ion batteries and their evaluation/analysis methods • Developments of recycling technology for spent cathodes and their evaluation methods	1	B02
	Emerging Material Metrology2	• Developments of synthesis and evaluation technology for high-performance solid electrolytes (oxide, halide...) • Analysis of electrode-electrolyte interface and developments of full solid-state oxide batteries	1	B03
	Emerging Material Metrology3	• Research on thermoelectric measurement for nanomaterials • Development of multimodal measurement system for semiconductors	1	B04
	Material Property Metrology (YS*)	Only Koreans can apply	1	B05
Biomedical Metrology	Biometrology	• Development of microbiome reference material • Development of bias correction methods using reference material • Development of viral genome analysis methods	1	C01
	Nanobio Measurement1 (YS*)	Only Koreans can apply	1	C02

Field		Assigned Task	Personnel	Code
	Nanobio Measurement2	• Analysis of AAV properties using single particle ICP-MS • Measurement of physicochemical properties for advanced nanomaterials using single particle ICP-MS	1	C03
	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	C04
	Medical Metrology (YS*)	Only Koreans can apply	1	C05
Quantum Technology	Quantum Electricity and Magnetism Metrology	• Fabrication of epitaxial graphene-based quantum Hall device • Precision characterization of Hall quantization in graphene device	1	D01
	Quantum Device	• Research and development of hybrid quantum systems based on superconducting quantum circuits and silicon photonic crystal-based optomechanical devices	1	D02
	Quantum Magnetic Sensing	• Electronic structure of quantum materials with ARPES and XPS • Spin structure with SEMPA, MOKE, Synchrotron • Micromagnetic simulation • Spintronics device	3	D03
	Atomic Quantum Sensing1	• Development of neutral atom qubit measurement and control technology for quantum computation • Development of neutral atom quantum computation/quantum simulation	2	D04
	Atomic Quantum Sensing2	• Laser cooling and trapping of atoms in ultra-high vacuum for precision quantum measurement	1	D05
	Atomic Quantum Sensing3	• A Study on the Control of Cooling Atoms Using Laser • A Study on the measurement of Gravity and Acceleration Using Atomic Interferometer	1	D06
Strategic Technology Research	Space Metrology1	• Optical metrology for space optics • Development of automatic polishing technology for large mirror	1	E01
	Space Metrology2 (YS*)	Only Koreans can apply	1	E02

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	E03
	Time & Frequency	• Laser cooling and spectroscopy of atom • Development of compact laser cooled atomic clock • Development of atomic fountain clock	1	E04
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

※ 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: 27th Jun. 2024 (Thu.) ~ 12th Jul. 2024 (Fri.), 15:00

※ 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	27th Jun. ~ 12th Jul., 2024	Timeline is a subject to change due to the institution's circumstances.
Receipt of application forms	27th Jun. ~ 12th Jul., 2024	
1st screening	Mid Jul., 2024	
2nd screening	Late Jul. ~ Early Aug., 2024	
Announcement of successful applicants of 2nd screening	Mid Aug., 2024	
Scheduled date of employment	1st Sep., 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