

※ 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	Atom-based Quantum Standards	<ul style="list-style-type: none"> • Development of Yb optical lattice clocks • Absolute frequency measurement and comparison of Yb optical lattice clocks • Probing a new clock transition line in Yb 	1	A01
	Atom-based Quantum Measurement1	<ul style="list-style-type: none"> • A Study on the Control of Cooling Atoms Using Laser • A Study on the measurement of Gravity and Acceleration Using Atomic Interferometer 	1	A02
	Atom-based Quantum Measurement2	<ul style="list-style-type: none"> • Laser cooling and spectroscopy of atom • Development of compact laser cooled atomic clock • Development of atomic fountain clock 	1	A03
	Ultrasound Standards	<ul style="list-style-type: none"> • Development of optics-based high frequency ultrasound measurement standard • Development of high-intensity ultrasound measurement technology • Development of medical focused ultrasound technology • Development of the signal processing for the sonar application 	1	A04
	Standard Time Realization and Transfer	<ul style="list-style-type: none"> • Time comparison and transfer using GNSS • Time comparison and transfer using communication satellites • Time comparison and transfer using ground-waves 	1	A05
Advanced Instrumentation	Climate Watch and Hydrogen quality Metrology1	<ul style="list-style-type: none"> • Computed Tomography - Optical Emission Spectroscopy (CT-OES) for optical diagnosis of semiconductor-display process 	1	B01
	Climate Watch and Hydrogen quality Metrology2	<ul style="list-style-type: none"> • Development of evaluation model for GWP of decomposed spices from low-GWP alternatives in semiconductor process plasma 	1	B02

Field		Assigned Task	Personnel	Code
	Climate Watch and Hydrogen quality Metrology3	<ul style="list-style-type: none"> • Development of analytical techniques for ambient level halogenated GHGs and stable isotope ratios of major GHGs using mass spectrometry 	1	B03
Quantum Technology	Quantum Optics1	<ul style="list-style-type: none"> • Photonic quantum circuit optimization (theory) • Quantum sensing and metrology with quantum light (theory) 	2	C01
	Quantum Optics2 (YS)	Only Koreans can apply	1	C02
Interdisciplinary Materials Measurement	Frontier of Extreme Physics	<ul style="list-style-type: none"> • Thermo-mechanical properties of high temperature materials • Phase transition study 	1	D01
	Multiscale Mechanical Properties Measurement	<ul style="list-style-type: none"> • Development of flexible tactile sensor materials and arrays • Synthesis of two-dimensional (2D) materials and development of fabrication processes for 2D material based large-area tactile sensor arrays 	1	D02
Safety Measurement	Nano-safety	<ul style="list-style-type: none"> • Analysis of characterization of nanomaterials using spectroscopy techniques • Analysis of nanomaterials in nanoproducts 	1	E01
	Bio-imaging (YS)	Only Koreans can apply	1	E02
Superconducting Quantum Computing System		<ul style="list-style-type: none"> • Hamiltonian engineering for controlling superconducting qubits • Noise analysis of superconducting qubits • Investigation of quantum gates and quantum algorithms • Development of softwares for controlling quantum computers • Development of quantum error mitigation and correction 	1	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.	<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.recruitment.kr>)
- Period for submission: 7th Nov. 2023 (Tue.) ~ 22nd Nov. 2023 (Wed.), 15:00
 - ※ Korean 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.
Online personality test	Koreans only
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.

※ 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
After 2nd screening	<ul style="list-style-type: none"> ○ 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	7th Nov. ~ 22nd Nov., 2023	Timeline is a subject to change due to the institution's circumstances.
Receipt of application forms	7th Nov. ~ 22nd Nov., 2023	
1st screening	Late Nov., 2023	
2nd screening	Mid Dec., 2023	
Announcement of successful applicants of 2nd screening	Late Dec., 2023	
Scheduled date of employment	28th Dec., 2023	

Training conditions

Classification	Description
Term of contract	<ul style="list-style-type: none"> ○ 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	<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 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