Announcement of job vacancy : QUP Engineering Specialist

Job No.	QUP-ENG 23-1
Title	QUP Engineering Specialist
Number of Job Opening	A few
Inst/Lab	Systemology Support Section. International Center for Quantum-field Measurement Systems for Studies of the Universe and Particles (QUP)
Term	Three years with the contract renewal every fiscal year
Start of the term	As soon as possible after January 1, 2024. (negotiable)
Appl. Deadline	Applications will be closed as soon as a candidate is selected. （The first selection process will start on November 30, 2023.）

Job Description

QUP was established on December 16, 2021, at KEK as one of the research centers under the World Premier International Research Center Initiative (WPI) of the Japanese government.

The successful candidate will belong to the QUP Systemology Support Section and will be responsible for the following duties:

To participate in project support or project start-up (concept study) support conducted by the QUP Systemology Support Section as a mechanical (structure and mechanism design) engineer and /or a thermal design engineer and to oversee thermal and mechanical design studies. The following studies are expected.

(1) Thermal and mechanical analysis and design of the QUP part of JAXA's LiteBIRD mission*).

(2) Thermal and mechanical analysis and design required for startup research projects (in the concept study phase) in QUP

*) For more information on the LiteBIRD mission,
please visit the JAXA, Institute of Space and Astronautical Science website.
https://www.isas.jaxa.jp/missions/spacecraft/future/litebird.html

Qualification

The successful candidate should have mechanical or thermal design experience and be highly motivated to enhance their experience in the thermos-structural design of cryogenic instruments onboard spacecraft.

The following experience is preferred (but not mandatory)

(1) Experience in thermo-structural design in which thermal and structure design are considered simultaneously.

(2) Experience in mechanical or thermal design of instruments on board spacecraft.

(3) Experience in thermo-structural design of instruments operating at cryogenic temperatures of about 1K or lower.

Method of Selection

After reviewing the submitted application documents (see below), applicants may be called for an interview.

The date of the interview will be separately communicated to the applicants who will be interviewed.

Conditions

(1)Term: 3 years (renewable for a single year)

- Renewal will be determined based on service performance and other factors.
- If the employee reaches the age of 70 during the term of office, the term of office will end at the end of the fiscal year in which the employee reaches the age of 70.

(2) Salary: Salary is determined according to the KEK rules for fixed-term employees. (Annual salary system)

・ Annual salary is determined based on experience, skills, current salary, etc.

(3) Allowances: Commuting allowance, housing allowance, and overtime allowance.
(In accordance with the regulations concerning the annual salary system for fixed-term employees of KEK.)

(4) Insurance: Mutual aid association of the MEXT (health insurance), employees' pension, workers' accident compensation insurance, and unemployment insurance.

(5) Working hours: Five days a week, Monday through Friday. The standard working time is from 8:30 a.m. to 5:15 p.m (including lunch time break). The flex system of KEK with a core time can be applicable, subject to the permission of the QUP director.

(6) Holidays: As a rule, every Saturday and Sunday, national holidays. There are 6 days year-end and New Year holidays.

(7) Overtime: Possible (about 10 hours per month on average)

(8) Trial period: None
(9) Housing: Housing for KEK employees is available for rent (subject to availability).

Work location
High Energy Accelerator Research Organization Tsukuba Campus (1-1 Oho, Tsukuba City, Ibaraki Prefecture)

Application documents (Use A4 size papers (295mm x 210mm or similar size))
1) Curriculum vitae
   * CV should include the job number QUP Engineer, photo, e-mail address, your date of birth, and the possible date you can start working at QUP in addition to standard information of CV. etc.
2) Work/Research experience: Describe your work and/or research experience in detail in arbitrary format, to demonstrate your qualification related to this job.
3) Publications list (If you do not have any publications to list, you may leave this blank.)
4) Statement on the work plan at QUP/KEK: Approximately 2 pages of A4 paper.
5) Names and contact information (e-mail address and phone number) of two persons who can comment on the person
6) If you apply for more than one job openings in KEK, please indicate all the job numbers (or job titles) you apply for. (in arbitrary format)

How to submit application documents
* Please submit your application documents by email directly.
(Email Application to) jinji2@ml.post.kek.jp
Personnel Affairs Unit 2
KEK, High Energy Accelerator Research Organization
*Application documents are only accepted in PDF files.

For more information: please contact
(Abut Job Description, Qualification) Email: qup_job_inquiry@ml.post.kek.jp
(About Application Ducuments, Working Conditions) Email: jinji2@ml.post.kek.jp Tel: 029-864-5117