

## QUP Engineer

Job No.	QUP Engineer
Title	Engineer
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 December 1, 2022 (negotiable)
Appl. Deadline	Applications will be closed as soon as a candidate is selected. (The first selection process will start on November 15.)

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### 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 primarily engaged in one of the two tasks 1 or 2.

1. Systems engineering support for the QUP flagship projects and their start up
  - (a) Systems engineering of the components of JAXA's LiteBIRD mission<sup>\*)</sup> for which QUP is responsible.
  - (b) Support for startup (concept studies) of research projects
2. Support of the QUP flagship project's S&MA (safety and mission assurance) activities through system safety and reliability design, quality and performance assurance, etc. The immediate target is the part of JAXA's LiteBIRD mission for which QUP is responsible.

<sup>\*)</sup> Information on the LiteBIRD mission can be found in

<https://www.isas.jaxa.jp/missions/spacecraft/future/litebird.html>

### Qualification

The successful candidate should have experience in working on projects in the broadest sense and satisfies one of the following conditions:

1. The candidate should have some experience in system development and system design, whether hardware or software, and have a strong desire to improve his/her own experience in system architecture design through working for JD task 1.
2. The candidate should have experience in system development of any kind, whether hardware or software, and in system safety or mission assurance activities, and have a strong desire to enhance his/her own experience in system safety, reliability design, product assurance, and quality assurance (S&MA) through working for JD task 2.

### 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)

**(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**

### 1) Application documents

\* Submit the documents through the KEK Web application system.

\* To receive your own password to upload the documents, send an e-mail to [jniji2@ml.post.kek.jp](mailto:jniji2@ml.post.kek.jp) with job number "QUP Engineer" in the Subject and with your name, current position and phone number in the text of the e-mail.)

\* We accept PDF files only.

\* If you cannot use our web system, please contact us by e-mail directly.

\* We do not accept submission of the documents in an e-mail attachment.

**(Attention) We may not be able to receive your e-mail for various reasons.**

**If there is no reply from us within a few days, please try a different email address or apply by post mail.**

## **For more information: please contact**

(About Job Description, Qualification ) Email: [qup\\_job\\_inquiry@ml.post.kek.jp](mailto:qup_job_inquiry@ml.post.kek.jp)

(About Application Documents, Working Conditions) Email: [jniji2@ml.post.kek.jp](mailto:jniji2@ml.post.kek.jp) Tel: 029-864-5117

## **Application to be mailed to:**

Personnel Affairs Unit 2

KEK, High Energy Accelerator Research Organization

1-1 Oho, Tsukuba, Ibaraki 305-0801

Japan