

Faculty Member Recruitment
Sub-coordinator (Associate/Assistant Professor) (Energy System)
Kyushu University Platform of Inter-/Transdisciplinary Energy Research (Q-PIT)

Kyushu University Platform of Inter-/Transdisciplinary Energy Research (Q-PIT) was established on October 1, 2016. It is a collective organization integrating a variety of energy-related faculty such as science, engineering, and social science. The objective of Q-PIT is to solve global issues relating to energy, environment, and economy which need to tackle with various expertise to realize a sustainable society.

With its reorganization planned for the year 2022 as an attachment, Q-PIT is seeking to recruit globally a full-time faculty to work as a sub-coordinator (associate professor or assistant professor). For detail, please refer to Q-PIT website: <https://q-pit.kyushu-u.ac.jp/en/>

- 1. Current Openings:** one (1) full-time, five-year tenure-track faculty position at the rank of associate professor or assistant professor. A performance evaluation will be conducted within three years from the appointed date. Reappointed individual will be awarded tenure.

The rank will be decided according to the selected candidate's capability.

- 2. Affiliation:**

Concurrent assignment at Platform of Inter-/Transdisciplinary Energy Research Energy (Q-PIT) and a faculty of the candidate's area of expertise* in Kyushu University.

Successful candidate will be assigned to a faculty or institute of their area of expertise, and the assigned faculty or the institute will be the research base where research support, collaboration with other faculty members and a research environment will be provided including a room, laboratory and access to equipment.

* The most suitable faculty or institute will be decided before the start of employment in consideration of the candidate's research field.

- 3. Duties:**

- (1) As a Sub-coordinator**

To plan, coordinate and support interdisciplinary researches, education and industry-academia-government collaboration across clusters¹⁾ and modules²⁾ as a sub-coordinator. The successful candidate will be assigned to one of the following three divisions and work in cooperation with a division coordinator and other members.

60% of the new faculty member's total effort is to be allocated to sub-coordinator work.

The main objectives of each division are as follows:

[Education Promotion Division³⁾]

- To plan, develop and manage energy education programs
- To support graduate students and researchers with their career paths in cooperation with other faculty members and industry sectors.

[Research Promotion Division⁴⁾]

- To plan and promote interdisciplinary research by integration of or collaboration with research clusters and modules.

[Social Design Division⁵⁾]

- To collaborate with stakeholders outside Kyushu University and engage in activities for resolution of social issues and social implementation of research outcomes.

(2) As a Researcher:

To promote research related to energy system clusters and to promote interdisciplinary research across clusters and modules.

(3) For Teaching:

Responsible for education and supervision of students as a supporting faculty member in your affiliation faculty, institution or other related faculties in Kyushu University.

4. Areas of Expertise:

Research fields that contribute to the construction of energy systems based on energy science and technology. In particular, research fields related to material conversion, energy conversion, structural materials, energy system and analysis, CO₂ separation and storage, thermal science, and calculation and data science that contribute to the realization of carbon neutrality.

5. Qualifications:

Applicants must:

- (1) have a doctorate degree or Ph.D. (including those who will obtain their degree by the time of employment).
- (2) be capable of providing education and supervision of students at the university, and have excellent research achievements in the "4. Areas of Expertise" noted above.
- (3) be capable of giving education and supervision in English.
- (4) fall under at least one of the following items:
 - a. have an experience of planning and managing an educational program, or have a strong interest and motivation in planning and managing interdisciplinary energy education programs.
 - b. have an experience of developing interdisciplinary research teams, or have a strong interest and motivation in coordinating and developing interdisciplinary research teams.
 - c. have an experience of working to solve social issues or implementing social energy research outcomes, or have a strong interest and motivation in working for above schemes.
- (5) obtained competitive funds in the past (Grants-in-Aid for Scientific Research: KAKENHI, contract research and others) or research funds from industry sectors for joint research.
- (6) Have a motivation in working for collaboration with international organizations, governments, local governments, and other research institutes.

6. Date of Appointment: April 1, 2022

7. Required Documents: (soft copy only)

- (1) Curriculum vitae (with a face photo, educational background, work experience, qualifications, contact information and e-mail address)
- (2) Division of your choice: choose a division which you wish to work for (use a given format and list first and second choice among three divisions. Refer to the item (1) in the "3. Duties" noted above).
- (3) Research achievements:
 - (a) Original papers, (b) Review articles, (c) Books, (d) International conference proceedings, (e) Invited lectures, and (e) Other achievements.*List items for each category in reverse chronological order (starting with the most recent item).
For (a) through (c) above, please put remarks as 1. first author/corresponding author paper, 2. international joint paper", and 3. academic-corporate collaboration, for identification of types.
- (4) Achievements in education, organization management and others (within two A4-size pages, 1,500 words):
 - (a) educational experience in universities such as seminars and practices, (b) organization management, (c) experience in PR activities, (d) domestic or international collaboration activities, (e) activities in international organizations, and (f) others.*List items for each category in reverse chronological order.
- (5) List of up to five (5) major research achievements in one A4-size page (within 200 words for each item). Attach supporting materials for each (one copy for each, such as a reprint of papers).
- (6) Reasons for application, your aspiration and determination in taking a role as a sub-coordinator in your selected division (within two A4-size pages, 1,500 words), focusing on division of your choice in the document "Division of your choice".
- (7) Outline of your past research (within two A4-size pages, 1,500 words), if necessary include charts and diagrams).
- (8) External funding acquisition (Categorize into (a) KAKENHI funding, (b) joint research, (c) contract research and (d) others. Mention in each item whether the applicant was a Principal Investigator or a Co-investigator).
- (9) Names and contact information of two references (name, affiliation, position and e-mail address), a letter of recommendation from at least one of them.

8. Application Deadline: 5 p.m. Monday, October 11, 2021 (Japanese Standard Time).

9. Selection Process:

- (1) Document review
- (2) Interview (Only for candidate selected through the document review process)
 - * Travel expenses for the interview will not be provided.
 - * In principle, the interview will be conducted face-to-face. However online interview is also available.

10. Submitting your Application:

Submit to e-mail: iq-somu@jimu.kyushu-u.ac.jp

General Affairs and Human Resources, I²CNER · Q-PIT Office of Research Support Services, Kyushu University

- * The subject of the email should be "Application for faculty, Energy System".
- * Please convert all submitting documents (1)-(9) (except Recommendation Letter) to PDF format and attach them to the email. Each document (1)-(9) must be separate files and put numbering (1)-(9) in each file name.
- * In case the total file size exceeds 5MB, please inform the above office in advance. We will send a URL to upload your document.
- * We will reply to your email once it is received. If you do not receive any reply within three working days after submission, please contact us.
- * Recommendation Letter(s) must be submitted directly from your references to the above e-mail address.

11. Contact information:

Masaru Nishimura

I²CNER·Q-PIT Office of Research Support Services, Kyushu University

TEL: +81 92 802-6082

E-mail: iqhosa@jimu.kyushu-u.ac.jp

12. Others:

- Kyushu University is an equal opportunity employer and follows the principles of the Basic Act for Gender Equal Society (Act. No. 78 of 1999).
- For more information about the Kyushu University Office for the Promotion of Gender Equality, please visit <https://danjyo.kyushu-u.ac.jp/en/>
- Kyushu University is an equal opportunity employer and follows the principles of the Basic Act for Persons with Disabilities (Act No.84 of 1970), Act on Employment Promotion etc. of Persons with Disabilities (Act No. 123 of 1960, revised in 2013), and the Act on the Elimination of Discrimination against Persons with Disabilities (Act No. 65 of 2013).
- Kyushu University established the System of Employment of Faculty Members with Accompanying Spouse in July 2017.
- Personal information included in submitted documents will not be used for any purposes other than the screening.
- Salary: Annual salary system (new annual salary system introduced on April 1, 2020)

(Glossary)

1) Cluster

Q-PIT has three clusters: "Energy Materials and Devices", "Energy System" and "Energy and Society" in the new organization. Faculty members conducting research in energy-related fields at this university will participate in any of the clusters and promote transdisciplinary advanced research, which is the main objective of this organization.

2) Module

Research organization that researchers in clusters propose on top of cross-disciplinary advanced research (provided that the proposal is approved).

3) Objectives of the Education Promotion Division

- To promote energy education programs in order to cultivate researchers to work cross-disciplinary
- To survey, analysis of energy-related research
- To support doctoral students in energy-related faculty with their research
- Other work related to energy education

4) Objectives of the Research Promotion Division

- To promote cross-disciplinary and advanced energy research
- To build up Q-PIT as a strong gateway in energy research fields
- To establish interdisciplinary energy research teams
- Public Relations on energy research outcomes
- Other energy research-related work

5) Objectives of the Social Design Division

- To propose grand designs of a decarbonized society
- To promote implementation of energy research outcomes
- To liaise with industry and local governments to respond to their inquiries and consultations regarding energy research
- To promote joint and contract research relating to energy fields
- To work to solve social issues by energy research