

Job Information: Associate Professor as a Tenure-track Faculty Position

Employer: Yokohama National University (YNU)

The Specialization in Electrical and Computer Engineering, Applied Physics, and Information Systems within the Department of Mathematics, Physics, Electrical Engineering and Computer Science at the Graduate School of Engineering Science, Yokohama National University (YNU) is now inviting applications for an associate professor as a tenure-track faculty position in the field of electrical and computer engineering. The following is an overview of the position, required qualifications and application procedure:

1. Job title: Tenure-track Associate Professor

2. The number of positions: 2

3. Job description: Candidate's area of research must be in the following area of electrical and computer engineering:

(a) Information and communication engineering: 1 position

Information and communication systems, Network theory, Signal processing, Analog/Digital circuits, RF circuits and systems, Electromagnetic wave engineering, Optoelectronics, Optical networks, Mobile networks, Cloud networks, Wireless power transfer, IoT/M2M

(b) Information processing and its applications: 1 position

Artificial intelligence, Machine learning, Intelligent information processing, Intelligent control, Pattern recognition, Computer vision, Natural language processing, Knowledge processing, Information security, Medical information systems, Big data, Data science, Edge computing, Quantum computing, Quantum cryptography, Brain machine interface, Electric commerce, Cognitive robots, Automated driving systems, UAV/AUV

We expect applications of excellent researchers who have an ability to actively research in the front line in the world. The post-holder will have responsibility for teaching (lectures, laboratory experiments, practice, graduate study) in Specialization in Electrical and Computer Engineering, Applied Physics, and Information Systems in both graduate and undergraduate courses. Alongside educational and research activities, a tenure-track associate professor is also expected to take a role in administrative duties.

4. Start date: April 1st, 2020 or the earliest possible date thereafter

5. Term of employment: Term of employment is 5 years, however, candidates with significant achievements during their term will be promoted to a tenured position.

6. Candidates must have a doctoral degree. Candidates whose mother tongue is not Japanese should

have a working knowledge of Japanese in order to carry out education and research activities.

7. Compensation: It depends on regulation of a Yokohama National University. Basic salary is determined in accordance with regulations of YNU. YNU is considering introducing a new salary system. In this position, an employee will contract under an annual salary system.

8. Completed applications must be received by October 3rd, 2019. And they will then be considered for eligibility. Non-Japanese applicants may apply in English. Completed applications should include the following documents:

- (1) Curriculum vitae with photo and a photocopy of your doctoral degree certificate
- (2) Lists of research achievements, including the lists of refereed journal publications, international conference papers, invited talks, books, etc. Please indicate the impact factor and the citation number of each refereed journal publication.
- (3) Reprints or copies of about five representative papers in your publications
- (4) Lists of research grants and funds (received as a principal investigator or a co-investigator), industry-academia joint research activities, international research activities, patents, etc.
- (5) Summary of research achievements (up to 2 pages including figures and tables)
- (6) Research plan at YNU (up to 2 pages including figures and tables)
- (7) A short statement of your educational goals at YNU (up to 1 page)
- (8) Other information to be noted
- (9) Contact information and addresses of two references (one must be an overseas resident)

9. All the printed documents (1)-(9) should be enclosed in an envelope marked as “Application for a tenure-track faculty position of Electrical and Computer Engineering, Applied Physics, and Information Systems at YNU” in red, indicating area of research ((a) or (b)), and sent by recorded mail to the address below. Also documents should be sent by E-mail to the address below.

10. Contact

Mailing address: Professor Yasutaka Fujimoto, Specialization in Electrical and Computer Engineering, Department of Mathematics, Physics, Electrical Engineering and Computer Science, Graduate School of Engineering Science, Yokohama National University, 79-5 Tokiwadai, Hodogaya-ku, Yokohama 240-8501, Japan

E-mail address: ece-rec2@ynu.ac.jp

11. After the review of the application documents, face-to-face interviews with successful candidates will be held at YNU in October 2019. The travel expenses and all other expenses for interviews will not be reimbursed.

12. All documents provided will only be used for application purposes. And they will be disposed of

safely after the selection is completed in order to maintain the privacy of personal information.

13. YNU welcomes applications from women and non-Japanese researchers.