

The University of Electro-Communications
Job Openings: Tenure Track Assistant Professors
(Power Electronics)

The University of Electro-Communications (UEC) invites applications for Tenure Track Assistant Professors.

In this tenure track system, the term of employment is five years from the start of the employment. During this period, newly employed assistant professors will receive an interim review in the third year of their employment, followed by a tenure review in the fifth year of the employment, and if their track record on research and other relevant factors are recognized to be exceptionally superior, they will be awarded the tenured status (i.e., guaranteed employment until the mandatory retirement) from the university as well as the promotion to associate professorship.

Note: Please refer to the following URL for general information on the tenure track program at UEC.

http://www.uec.ac.jp/eng/research/activity/uec_tenure_track/index.html

1. Title and number of position

Assistant professor (full time), One position

2. Affiliation after the employment

Graduate School of Informatics and Engineering, Department of Mechanical and Intelligent Systems Engineering, Advanced Robotics Program

3. Fields of specialty

Power Electronics Field:

- Academic disciplines of measurement, control, and systems, on power electronics such as inverters, converters, and electrical power management.
- Applications of power devices such as automobile technologies and robots.
- Control applications utilizing the newest power device such as GaN and SiC .
- Control systems security.
- Power electronics as key technologies for cyber physical systems (CPS).
- New actuators such as artificial muscle, next generation electric motors, power supply and control of actuators, kinetic energy harvesting

4. Responsible subjects

One or two subjects from physics laboratory, cluster basic and special laboratory, basic subjects, cluster basic and special subjects.

For further details, please make inquiries to the contact person (14).

5. Eligibility for application

- 1). Applicants must hold a doctorate degree by the date of employment and must be advanced in research in the above fields.
- 2). Applicants must be capable of conducting creative research independently.
- 3) Applicants must have obtained their doctorate degree within the last 10 years.
- 4). Postdoctoral experience or equivalent is preferable.
- 5). Applicants are expected to be capable of guiding students in Japanese.

6. Start of employment

February 1, 2018 (or later at the earliest possible date.)

7. Period of employment

Five years from the start of the employment. If the tenure is not granted, however, maximum of two years may be added to the period of employment in order to provide preparation time for transfer.

8. Expected teaching activity

Applicants must be highly motivated for teaching. And your contribution in teaching made through the lectures in undergraduate or graduate courses as well as research supervision for undergraduate or graduate students will be also a subject for evaluation in the reviews.

9. Salary, research fund, etc.

- 1).Salary : Annual Salary System (Based on rules of the University of Electro-Communications)
- 2).Research fund : Research funding of assistant professor level will be provided in accordance with the University's regulations. If a candidate of the 2017 LEADER program is selected for this position, the research fund based on the LEADER program guideline will be granted.

Please see the following URL for further details about the LEADER program:

http://www.mext.go.jp/a_menu/jinzai/takuetsu/index.htm

10. Documents for Submission

Please submit us the documents (1)-(6). In the case where you applied for a candidate of LEADER Program in 2017, please also submit us the documents (7) and (8).

1). Application form: (Photo, Resume, List of research achievements)

Please download and fill in the Application Form.

http://www.uec.ac.jp/about/advertisement/pdf/oubo_sinseisyo_e.pdf (PDF file)

http://www.uec.ac.jp/about/advertisement/date/oubo_sinseisyo_e.doc (MS-word file)

2). Research papers (up to 5 papers: duplicates are acceptable)

3). Outline of research achievements: up to 2 pages of A4 sheet

4). Outline of research plan in UEC: up to 2 pages of A4 sheet

5). Teaching experience and your goals in education: up to 2 pages of A4 sheet

6) The names, affiliations, contacts (including e-mail address) and relation of two references.

7) 2017LEADER program Application Form (Form 1, including Form 1 Attachment)

8) 2017 LEADER program Research Proposal (Form 2)

11. Instructions for Submission

Application documents must be sent to the following address by postal mail. The submitted documents will not be returned to the applicants under any circumstances. These application documents will not be used for purposes other than this selection.

Professor Takashi KUBOKI

Department of Mechanical and Intelligent Systems Engineering

Graduate School of Informatics and Engineering

The University of Electro-Communications

1-5-1 Chofugaoka, Chofu City, Tokyo 182-8585 Japan

(Please write “Application documents for faculty position in the field of Power Electronics” on the envelope in red ink, and it should be sent by Simplified Registered Mail. Also please notify the contact personnel as shown in section 14 by E-mail that you have sent the application documents to us.)

12. Application Deadline

Application documents must arrive by October 31, 2017 Japan Standard Time

13. Selection Procedure

If you pass the screening of application documents, you will be requested to come to the UEC for an interview. Please note that transportation for the interview will be at your own expense.

14. Contact

Professor Osamu KANEKO, Department of Mechanical and Intelligent Systems Engineering

Graduate School of Informatics and Engineering

The University of Electro-Communications

Phone: +81-(0)42-443-5394 E-Mail: o.kaneko@uec.ac.jp

15. Others

- All faculty members of UEC belong to the Academic Institute, through which individual faculty members are assigned to specific departments or centers.

- Under the principle of The Basic Law for a Gender-Equal Society, UEC is aiming to increase the number of female faculty members through an effort to provide working environment that is friendly to female employees. Female candidates are strongly encouraged to apply. For more information please refer to the following URL:

<http://www.ge.uec.ac.jp/>