

The University of Electro-Communications

Job Openings: Tenure Track Assistant Professors

(Cognitive Robotics)

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

Advanced Robotics Program

Department of Mechanical Engineering and Intelligent Systems

Graduate School of Informatics and Engineering

3. Fields of specialty

Cognitive Robotics. One or multiple fields of the following be requested:

1. Cognitive Developmental Robotics (Subsumption Architecture(SSA), Embodied AI, cognitive AI, Machine Learning),
2. Multiple perceptual information sensing and processing for robots (e.g., computer vision/audition for robots, proximity sensing, tactile sensing, haptics sensing, olfactory sensing, and taste sensing) and its application on robots in the domain of cognitive robotics,
3. As applications of the above two fields, KANSEI robotics, service robot, humanoid robot, cyborg, robot recognition/IoT/AI fusion (e.g., recognition of action environment and intelligent

control, human-robot interaction).

4. Responsible subjects

The successful applicant will be in charge of lectures on subjects related to mechanical engineering at undergraduate and graduate schools. The successful applicant may be requested to take charge of lectures on basic subjects at undergraduate school.

(For details of lectures, please refer to the following URL (Japanese only).)

<http://www.uec.ac.jp/department/ie/m/curriculum.html>

<http://www.uec.ac.jp/campus/academic/syllabus.html>

5. Eligibility for application

- 1) Applicants must possess a doctorate degree and be capable of conducting education and guiding research in the graduate school.
- 2) Applicants must be advanced in research in the above fields, and be capable of contributing to development of the field through education and research.
- 3) Applicants are expected to be capable of guiding students in Japanese.

6. Start of employment

January 1, 2022 (or later at the earliest possible date.)

7. Term of employment and employment status

- 1) Term of employment:

Five years from the start of the employment. If the tenure is not granted, maximum of two years may be added to the period of employment in order to provide preparation time for transfer. The tenure-track period can be extended if you take childcare, prenatal, postnatal, or nursing care leave. In this regard, the implementation of both the tenure interim evaluation and examination can be changed within the extended term. However, the total tenure-track period from the hiring date should be within a maximum of 10 years.

- 2) Employment status: Full-time research and education employee

- 3) Place of employment: The University of Electro-Communications (1-5-1Chofugaoka, Chofu, Tokyo) Measures for indoor passive smoking have been taken.

- 4) Work hours: Discretionary labor system for Professional Work

Based on standard work hours of 7 hours and 45minutes during 8:30am-5:15pm, an individual employee may decide how his/her schedule will fit into work day.

- 5) Holidays: Saturday, Sunday, holidays prescribed by the National Holiday Act, New Year's holiday, and the days designated by UEC.

However, if an employee teaches a night course of the Fundamental Programs for Advanced Engineering that is offered on Saturday, the day off should be taken on one of the weekdays instead. For securing the number of credit hours, an employee may need to work on public holidays.

- 6) Paid holidays: Annual paid holidays, special leave, childcare leave, and nursing care leave
- 7) Insurances: Health insurance/pension (the Monbukagakusho Mutual-Aid Association insurance), employment insurance, and worker's compensation insurance

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

- 1) Annual salary based on the UEC Employee's Salary Regulation

10. Documents for submission

- 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 on an A4 sheet
- 4) Outline of research plan in UEC: up to 2 pages on an A4 sheet
- 5) Teaching experience and your goals in education: up to 2 pages on an A4 sheet
- 6) The names, affiliations, contacts (including e-mail address) and relation of 2 references.
- 7) Submitting above application documents (1) to (6) (in PDF files) according to the instructions for submission

11. Instructions for submission

Submitting application by the one-line submission system at the JREC-IN Portal Web (jrecin.jst.go.jp) of this job opening, entitled "Tenure Track Assistant Professor (Cognitive Robotics), The Univ. of Electro-Communications". The entry web page is accessed by "D121060157" from the top page of the Web jrecin.jst.go.jp. The URL is:

https://jrecin.jst.go.jp/seek/SeekJorDetail?fn=3&ln=1&id=D121060157&ln_jor=1

At the same time your submission should be informed to the contact e-mail address.

(In case where applicants could not use the above URL, application documents in PDF files packaged in USB memory drives must be sent via postal mail to:

Prof. Yoichi MIYAWAKI, Department of Mechanical and Intelligent Systems Engineering, The University Of Electro-Communications, 1-5-1 chofugaoka, chofu, TOKYO 182-8585. Especially in this case, applicants must notify the contact e-mail address in advance.)

12. Application deadline

Application documents must arrive by September 2nd, 2021 (Japan Standard Time)

13. Selection procedure

If you pass the screening of application documents, you will be requested to join an interview test. How to hold the interviews, either in on-line forms (by zoom, etc.) or in a physical manner in the campus, is not determined yet. If the interview is held physically in the university, please note that transportation or any related cost for the interview need be done at your own expense.

14. Contact

Contact e-mail is:

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

The University of Electro-Communications

E-Mail: rec-cogrobo [at] mi.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.
- Based on an aim to engage in the target value that is described in the joint-innovation strategy of the government, UEC is acting to achieve a ten percent increase in the number of young researchers under 40 years of age, and hopes to increase this number by over thirty percent in the overall higher educations of the future. UEC is recruiting well-qualified young researchers in order to foster them and accelerate their dynamic research activities.

For more information, please refer to the following URL:

<https://www8.cao.go.jp/cstp/tougosenryaku/index.html>

- 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 a working

environment with consideration for female employees, such as Work-Life Balance Support and Support for Research Career Advancement. For more information please refer to the following

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