

# **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](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. For example, sensory information sensing and processing for robots (for example, sensory information processing, computer vision/audition, voice processing, speech recognition, image processing, object recognition, pattern recognition, proximity sensing, tactile sensing, haptics sensing, olfactory sensing, and taste sensing), cognitive developmental robotics, KANSEI robotics, robot recognition/IoT/AI fusion, recognition of action environment and intelligent control, cognitive AI, human-robot interaction, and service robot.

#### **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 apply for “Leading Initiative for Excellent Young Researcher (LEADER)” program.

[http://www.mext.go.jp/a\\_menu/jinzai/takuetsu/index.htm](http://www.mext.go.jp/a_menu/jinzai/takuetsu/index.htm)

2) Applicants must possess a doctorate degree and be capable of conducting education and guiding research in the graduate school.

3) Applicants must be advanced in research in the above fields, and be capable of contributing to development of the field through education and research.

4) Applicants are expected to be capable of guiding students in Japanese.

#### **6. Start of employment**

October 1, 2020 (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.

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

3) Place of employment: The University of Electro-Communications (1-5-1Chofugaoka, Chofu, Tokyo)

4) Work hours: Discretionary labor system

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.

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 and research fund**

- 1).Salary : Annual salary based on the UEC Employee's Salary Regulation
- 2).Research fund:In addition to the regular research fund allocated to faculty members according to the university rule, the research fund based on LEADER program guideline will be granted to the successful applicant in the first and second year of the employment if he/she will be selected as the candidate of LEADER Program.

### **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](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](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). LEADER program Application Form in FY2020 (Form 1, including Form 1 Attachment)
  - 8). LEADER program Research Proposal in FY2020 (Form 2)
- \* 7) and 8) are the required documents you apply for a candidate of LEADER Program. Those who have been selected as a candidate of LEADER program in FY 2019, please submit the documents of 7) and 8) in FY 2019.
- 9). Form which approves the continuation of LEADER program in FY 2019 (e.g. the screenshot of the web page for the electronic application system in 2020)
- \* This document 9) is for the applicants who have been selected as a candidate of LEADER program in FY 2019 only.
- 10) Submitting above application documents (1) to (8) on CD or USB memory stick as a PDF file

Notes:

Candidates need to contact UEC in advance of being selected as a candidate of LEADER Program in FY2020 or need to have been approved extension of the eligibility as a candidate of LEADER program in FY2019. Please submit those application documents mentioned above accordingly.

### **11. Instructions for submission**

Application documents must be sent to the following address by postal mail. Application documents are not subject to return. The application documents will not be used for purposes other than this selection.

Prof. Yutaka Sakaguchi  
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 “Cognitive Robotics” 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 17:00 May 29, 2020 (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.

If an applicant who pass the screening of application documents live in the outside of Japan, the interview may be held in the internet by using Skype etc.

### **14. Contact**

Prof. Yoichi Miyawaki  
Department of Mechanical and Intelligent Systems Engineering,  
Graduate School of Informatics and Engineering,

The University of Electro-Communications

E-Mail: yoichi.miyawaki@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 5th Science and Technology Basic Plan in fiscal year 2016–2020 (Cabinet office, Government of Japan, 2016), the government 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 for 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/kihonkeikaku/index5.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 working environment that is friendly to female employees, such as Work-Life Balance Support and Support for Research Career Advancement. Female candidates are strongly encouraged to apply. For more information please refer to the following

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