

The University of Electro-Communications

Job Openings: Teaching and Research Staff

(The field of Embedded System)

1. Title and number of position

Associate Professor (full time) or Tenure Track Assistant Professor (full time), one position

2. Affiliation after the employment

Computer Science Program

Department of Computer and Network Engineering

Graduate School of Informatics and Engineering

3. Fields of specialty

Embedded System: One or multiple research fields of the following are requested.

- 1) Embedded system utilizing IoT / sensor network and AI edge-computing technologies
- 2) Embedded hardware and software implementations for real-time system control with signal / image processing
- 3) Application system using microcomputer and embedded device, wireless network (5G, LPWA, GPS, etc.), and machine learning on GPGPU.

4. Responsible subjects

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

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

<http://www.uec.ac.jp/education/undergraduate/curriculum.html>

<http://www.uec.ac.jp/education/undergraduate/cluster1/curriculum.html>

5. Eligibility for application

- 1) Candidates must possess a doctorate degree by the date of employment and must be advanced in research in the above fields.
- 2) Candidates must be capable of conducting independent, creative research.
- 3) Candidates are expected to be capable of guiding students in Japanese.

6. Start of employment

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

7. Term of employment and Employment status

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

Term of employment (tenure-track period):

- Associate Professor position: permanent full-time (until the mandatory retirement age)
- Under the tenure-track system, the employment period of the tenure-track assistant professor is 5 years from the employment date. The successful candidate must be recognized for their outstanding academic capabilities after undergoing an interim evaluation in the third year and a tenure qualification review in the fifth year, to be granted tenure status (permanent employment) and promotion to associate professor. The successful tenure-track assistant professor who achieves exceptional contributions in their area of expertise will be granted an expedited review process for achieving tenure status without waiting for the above-mentioned period.
- In case tenure is not granted at the 5th year, up to a maximum of 2 more years of non-tenure-track employment period can be added, which would serve as a preparatory period to look for outside opportunities.
- 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.
- Please refer to the following URL for general information on the tenure track program
https://www.uec.ac.jp/eng/research/activity/uec_tenure_track/index.html

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

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

4) Work hours: Discretionary Labor System for Professional Work

5) 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.

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

7) 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.

8) Paid holidays: Annual paid holidays, special leave, childcare leave, and nursing care leave

9) Insurances: Health insurance/pension (the Monbukagakusho Mutual-Aid Association insurance), employment insurance, and worker's compensation insurance

8. Expected educational activities

This tenure-track assistant professor must be highly motivated to educate. Teaching graduate/undergraduate classes and giving research guidance to students will also be evaluated factors in the tenure-qualification review.

9. Salary and research fund

- 1) Salary: Annual salary based on the UEC Employee's Salary Regulation
- 2) Research fund: The assistant professor's research expenses according to the university rule.

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) Significant research papers (up to 5 papers: duplicates are acceptable)
- 3) Outline of research achievements: up to 2 pages of A4 sheet
- 4) Research plan in UEC: up to 3 pages of A4 sheet
- 5) Teaching experience and statement of resolution to carry out university education: up to 2 pages of A4 sheet
- 6) Information of reference persons:
Your desired position (associate professor or assistant professor)
The names, affiliations, contacts (including e-mail address) and relationships with applicant of three reference persons at least one in Japan and one from outside of Japan in the case of associate professor position, or two reference persons, including one in Japan in the case of assistant professor position.

11. Submission of application documents

Application documents (1) to (6) must be submitted through the following online site. The document (3), (4), and (5) are required to be uploaded as one PDF file.

<https://www.inf.uec.ac.jp/kobo/>

Only when the online submission is unavailable, the required documents must be submitted both in hard copy and in digital media (USB flash drive or CD-R / DVD-R) storing the documents in PDF format. Applications should be sent to the following address via registered (postal) mail. We do not accept submissions via e-mail. Submitted application documents and digital media will not be returned. The application documents will not be used for purposes other than this selection.

To: Prof. Fengchao XIAO

Department of Computer and Network Engineering, Graduate School of Informatics and Engineering, The University of Electro-Communications, The University of Electro-Communications

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

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

12. Application Deadline

The deadline for submitting the application is 17:00 on November 5, 2021 (Japan Standard Time)

13. Selection Procedure

The oral interview will be conducted for only those applicants who have passed their document screening.

Please note that applicants are responsible for the expenses incurred for an interview.

An online interview is available for applicants from outside of Japan.

In case of requesting to undergo an online interview, please contact the following shown in section 14.

* According to the situation of COVID-19, we may conduct online interview including domestic applicants.

14. Contact

Prof. Akashi Satoh

Department of Computer and Network Engineering

Graduate School of Informatics and Engineering

The University of Electro-Communications

Phone: +81 424 43 5352 E-Mail: akashi.satoh@uec.ac.jp

15. Others

- All faculty members of UEC belong to the Academic Institute where 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 Council for Science, Technology and Innovation (Cabinet office, Government of Japan), 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/tougosenryaku/index.html>

- To further promote gender equality and diversity measures, UEC endeavors to increase the number of female faculty members through an effort to ensure women-friendly working environment such as activities in consideration of work-life balance and supports for Research Career Advancement. For further information, please refer to the following URL:

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