

Job Opportunity at the Department of Mechanical System Engineering, Graduate School of Engineering, Nagoya University

1. Open Position: One Professor (tenured)
2. Affiliation: Department of Mechanical System Engineering, Graduate School of Engineering, Nagoya University
3. Research Field: We seek candidates who can create a new field of mechanical intelligence by integrating mechanical engineering and artificial intelligence, with a focus on one of the following fusion fields, and actively engage in industry-academia collaboration:

Fusion Field 1: Fusion of human and machine (human interfaces, behavioral support, augmented reality, medical welfare engineering, etc.)

Fusion Field 2: Fusion of control engineering and computer science (Innovative control of mechanical systems, AI/data-driven control, Internet of Things, Multi-agent systems, Cyber-physical systems, etc.)

4. Teaching Responsibilities: Teach undergraduate lectures in the field of Control Engineering, Programming, and other undergraduate courses related to the field of Mechanical Intelligence, as well as related graduate courses.
5. Qualifications for Applicants:

(1) Applicants must have a doctoral degree or Ph.D. in the related fields.

(2) Applicants must have outstanding research experiences and publications in the related fields and the capability of supervising doctoral students.

6. Employment Condition and Salary:

Employment conditions are based on the following rules of the Tokai National Higher Education and Research System:

[Link] https://education.joureikun.jp/thers_ac/act/frame/frame110010928.htm

Salary is based on the following salary regulations for faculty members of Nagoya University, Tokai National Higher Education and Research System:

[Link] https://education.joureikun.jp/thers_ac/act/frame/frame110001585.htm

7. Expected starting date: Earliest convenience after Oct. 1st, 2024
8. Application Documents: Please compile the following items (1) to (10) into a single PDF file.

(1) Resume (with an attached photo)

(2) List of research achievements: [I] Books, [II] Original academic journal articles, [III] International conference papers, [IV] Reviews, internal technical reports, etc.
*Please underline the corresponding author.

(3) Activities in domestic/international academic societies, list of invited lectures.

(4) Preprints of up to 10 major original academic journal articles (copies are also acceptable).

(5) Three major research achievements and their content (up to 1,000 characters for each achievement).

(6) Patents and their content.

(7) Award names and their content.

(8) Acquisition status of research grants and subsidies as PI, such as JSPS grants, over the past 10 years. (For those in the corporate sector, provide the equivalent acquisition status).

(9) Aspirations for education and research (up to 1,000 characters each).

(10) Contact information for three individuals who may be contacted for comments about the applicant (at least one of whom should be resident outside Japan).

9. Application Deadline: January 31, 2024 (Wednesday)
10. Selection Method: Candidates will be selected through document screening, followed by interviews. Once the selection results are determined, notifications will be sent.
11. Submission Address and Contact: Please send the required documents from (1) to (10), compiled into a single PDF file, via email attachment (up to 20MB). If sending via email is difficult, please contact us, and we will provide you with a URL to upload the file to our university file server. Set a password for the PDF file and inform us of the password separately. The subject of the email should be "Application for Professor Position in Mechanical Systems Engineering (Your Name)." Please be sure to check the confirmation email upon receipt (sent within 1 week).

Please send to the following two individuals simultaneously.

Hosei Nagano

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12. Contact Information

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13. Others

- We will actively recruit women and non-Japanese applicants if their research achievements, social activities, and other criteria are recognized as equivalent in the evaluation. Personal information included in the application documents will not be used for purposes other than selection and recruitment.
- Application documents will not be returned.
- Applicants may be asked to submit additional materials as necessary.
- Transportation expenses for interviews will not be provided.
- In November 2021, with the clarification of the scope of control of "deemed exports" under the Foreign Exchange and Foreign Trade Act (FEFTA), a portion of the provision of sensitive technology to faculty members at universities and research institutes is subject to control under the FEFTA. As a result of this change, faculty applications will also be subject to FEFTA controls. When applying for this solicitation, you will be required to submit an Applicable Specific Category Determination Form following the Applicable Specific Category Determination Flowchart. Eligible applicants will be notified in advance. In addition, faculty members are required to submit a "Confirmation Form" at the time of employment.