

Professor

Graduate School of Engineering, Nagoya Institute of Technology, JAPAN

1. Position Available: Professor (Tenure) – 1 position

2. Affiliation

Graduate School of Engineering, Mathematics and Mathematical Science Program /
Faculty of Engineering, Department of Electrical and Mechanical Engineering

3. Field of Specialization: Specializing in analysis (particularly nonlinear partial differential equations), with responsibilities including the following:

1) Teaching the mathematics of the “common subjects in the area of liberal arts and fundamental science” and handling mathematics-related tasks such as entrance examinations

2) Teaching in mathematics-related fields in the Department of Electrical and Mechanical Engineering and supervising undergraduate thesis research upon student request

3) Teaching and research supervision in the Mathematics and Mathematical Science Program

4. Courses to Be Taught

1) Calculus and exercises, and Linear Algebra (or Linear Algebra and exercises) in the general education curriculum

2) Engineering-oriented mathematics courses in the Department of Electrical and Mechanical Engineering, such as Differential Equations, Probability, Complex Analysis, and Vector Calculus

3) Specialized courses on partial differential equations in the Mathematics and Mathematical Science Program.

General education courses are administered university-wide, and you may be assigned to teach them.

5. Qualifications

1) Doctoral degree (including Ph.D.)

2) Teaching experience at an engineering university and experience supervising research in a master course program, with the ability to supervise research in a doctoral course program

3) Ability to provide graduation research topics closely related to the field of mechanical engineering

4) Track record of collaborative research with engineers in the field of mechanical engineering

5) Outstanding research achievements in the theory of partial differential equations as they appear in plasma physics

6) A track record of securing multiple large-scale external grants

7) A distinguished track record in international research exchange, including conducting international collaborative research, organizing international conferences, and securing external funding to promote such collaboration

8) Recipient of an award from a relevant academic society

9) Must be enthusiastic about teaching mathematics at a college specializing in engineering

10) An adequate command of Japanese to manage daily university works. It is preferable that application documents are written in Japanese.

6. Starting date: April 1, 2027

7. Salary and Benefits will be determined according to the university regulations.

8. Application materials

1) Cover letter

2) Resume (with photo attached; must include educational background, work history [including part-time lecturing experience], phone number, and email address)

3) Names, contact information, current positions, and relationship to the applicant of two individuals who can provide references

4) List of Academic Achievements (papers—mark up to 5 representative ones; books; review articles; external funding acquired; oral presentations at academic conferences within the past 3 years). Papers currently under review should not be included in the list of achievements. However, papers for which publication has been approved should be included in the list, and supporting documentation must be attached.

5) Previous research topics, an overview, and future plans (approximately one A4-size page, in Japanese)

6) An essay outlining your philosophy of teaching in the section of general educations, and of mathematical science for undergraduate students (approximately two A4-size pages, in Japanese)

7) Up to five representative papers

9. Application Deadline: Monday, August 17, 2026

10. Screening Process: Following a document review, presentations and interviews will be conducted as necessary (travel expenses to be borne by the applicant).

11. Contact Information

For further information, please contact Prof. Yoshinori MIZUNO by e-mail.

E-mail: mizuno.yoshinori@nitech.ac.jp

12. Submission

Please write “Faculty Application Documents” in red ink on the front of the envelope and send the application documents via registered mail (Letter Pack acceptable) to the address below.

466-8555 Gokiso-cho, Showa-ku, Nagoya City,
Nagoya Institute of Technology,
Yoshinori Mizuno

Notes

- 1) Application materials (except the research statement and the essay) in English or in Japanese are acceptable.
- 2) NITech promotes diversity, including gender equality, in its effort to enhance the university environment for education, research and employment. In the faculty recruitment selection, if the overall performance (research achievements, education performance, social contribution, etc.) and personal evaluation are recognized as equivalent to those of other candidates, we actively seek to hire diverse candidates regardless of gender or nationality.
- 3) The personal information related to the screening will be treated properly based on the Personal Information Protection Law and Nagoya Institute of Technology's provision. However, in the screening process, personal information would be inquired. Upon agreement and acceptance of the requirements, please apply for this position.