

Nagaoka University of Technology
Call for Applications for a Tenure-Track Position at Assistant Professor Level
(The Baba Research Unit)

Nagaoka University of Technology invites applications for a tenure-track faculty position as a "Specially Appointed Assistant Professor (or Specially Appointed Lecturer) for Academia-Industry Fusion." This role actively promotes interdisciplinary research and industry-academia integration, with an appointment term through March 31, 2032.

As a university selected for the "Program for Forming Japan's Peak Research Universities (J-PEAKS)" sponsored by MEXT and JSPS, Nagaoka University of Technology is strongly driving societal transformation through "convergent knowledge" that transcends academic disciplines and organizational boundaries. To achieve this key priority, we have launched a unique organizational reform—establishing new "Research Units"—and are seeking a researcher to jointly advance cutting-edge interdisciplinary research and its societal implementation.

The appointee will be affiliated with the Top Runner Incubation Center for Academia-Industry Fusion and will be able to focus primarily on research. To support this, startup funds will be allocated and administrative duties will be minimized.

Tenure will be granted based on an interim evaluation and a final evaluation. Candidates who demonstrate particularly outstanding achievements in the interim evaluation may receive tenure at that stage.

<Research Unit Introduction Page>
<https://sx.nagaokaut.ac.jp/research-units/>

1. Position Available

Specially Appointed Assistant Professor for Academia-Industry Fusion (or Specially Appointed Lecturer for Academia-Industry Fusion)

*In principle, the successful candidate will be appointed as a Specially Appointed Assistant Professor for Academia-Industry Fusion. However, depending on the results of the selection review, the appointment may be made as a Specially Appointed Lecturer for Academia-Industry Fusion if deemed particularly necessary.

2. Research Fields

Applicants are invited internationally for one position in the following research area.

【Details of research area】

Research fields related to heat transfer and thermophysical properties, particularly (i) the development and thermophysical characterization of functional materials for use in thermal management and energy conversion, or (ii) heat transport and thermal management using multiphase flows or functional fluids.

【Desirable candidate profile】

Individuals with a strong passion for research in the specialized field listed above, with a commitment to deepening and advancing the discipline.

3. Job Description

(Immediately after hiring)

As a tenure-track faculty member, you will conduct research in the above-mentioned specialized fields within a research unit*.

*A research unit is a group of faculty members from different disciplines formed to promote interdisciplinary research.

(Scope of change) Operations as determined by the university.

4. Qualifications

Applicants must hold a doctoral degree obtained within the past 5 years or be expected to obtain one by the time of appointment, and be actively conducting research in a field relevant to the research areas listed above.

5. Selection Process

Document screening will be conducted based on the research achievements presented in the application materials, evaluated from the following perspectives: (1) establishment of innovative research fields aiming for academia-industry fusion, (2) creation of new industrial technologies, and (3) academic originality and exploratory potential (research seeds). Applicants who pass the document screening will be invited for an interview and a presentation.

Applicants are responsible for their own travel and accommodation expenses for the interview and the presentation.

6. Salary

Salary is paid under a new annual salary system and will be determined by taking into account professional experience, research achievements, and other relevant factors in accordance with university regulations.

7. Research Environment Setup Funds (Startup Funding)*

As startup research funding, 2 million yen will be allocated in the first year (3 million yen if appointed as a Specially Appointed Lecturer), followed by 1 million yen per year from the second year onward (*Limited to individuals under 40 years of age at the time of appointment).

8. Research Environment

Tenure-track faculty members are guaranteed a research environment under the leadership of a Research Unit Leader, enabling them to dedicate themselves to their research activities.

9. Affiliation, Work Location, Job Title, etc.

Institution	National University Corporation Nagaoka University of Technology
Affiliation	Top Runner Incubation Center for Academia-Industry Fusion
URL	https://www.nagaokaut.ac.jp/academics/tpicaif/index.html https://sx.nagaokaut.ac.jp/
Work Location	(Immediately after hiring) 1603-1 Kamitomioka, Nagaoka, Niigata 940-2188, Japan (Scope of change) Locations determined by the University (including locations where telecommuting is performed)
Job Title	Specially Appointed Assistant Professor for Academia-Industry Fusion (or Specially Appointed Lecturer for Academia-Industry Fusion) *In principle, the successful candidate will be appointed as a Specially Appointed Assistant Professor for Academia-Industry Fusion. However, depending on the results of the selection review, the candidate may be appointed as a Specially Appointed Lecturer for Academia-Industry Fusion if deemed particularly necessary.

10. Term of Appointment

Fixed-term: Yes

Term: Within 5 years from the date of hire (Until March 31, 2032)

Contract Renewal: Not renewable

Transition to Tenure: If the candidate passes the tenure review, they will be appointed as a faculty member with an indefinite term.

If the candidate fails the tenure review, they will not be appointed as a tenured faculty member, and their employment will terminate upon the expiration of their term. For details, see "Tenure Evaluation and Promotion" below.

11. Tenure Evaluation and Promotion

Tenure-track faculty members will undergo an interim evaluation in their 3rd year after appointment; candidates with particularly outstanding achievements may be granted tenure at that stage. A final tenure review will be conducted in the 5th year, and candidates who pass the review will be granted tenure. Please note that the tenure review will be evaluated against the designated tenure-track evaluation criteria.

12. Number of Openings

1 position

13. Starting Date of Employment

April 1, 2027, or as early as possible thereafter (negotiable)

14. Compensation

In accordance with the University's Salary Regulations (New Annual Salary System applies)
By agreeing to apply the discretionary work system for specialized work, the employee is considered to have worked 7 hours and 45 minutes per day on a given workday. If the discretionary work system for specialized work is not applied, the employee will work from 8:30 to 17:15 five days a week (break 12:00 to 13:00), and may be ordered to work overtime.
Social insurance, etc.: the Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association, Employment insurance, and Worker's accident insurance
Holidays: Weekends, National holidays, October 1st (anniversary of the opening of the university)
Trial period: 6 months (In accordance with the University's Staff Employment Regulations)

15. Application Documents

- (1) Application Form/ Curriculum Vitae (with photo attached), including a list of research achievements (books, peer-reviewed journal articles, peer-reviewed international conference papers, reviews/commentaries, patents), record of external research funding acquired, awards/honors, and special remarks.
- (2) Reprints of representative publications (up to 5 papers).
- (3) Summary of Past Research Achievements (within 2 A4-sized pages, including figures)
- (4) Summary of Proposed Research Plan at Nagaoka University of Technology, emphasizing close collaboration with industry (within 2 A4-sized pages, including figures).

*For Item (1), please use the prescribed form.

*Items (2) through (4) may be prepared in any format.

16. How to apply

Please prepare each of the submission documents (1) through (4) in PDF format and combine them into a single ZIP file. Name the file "Application Documents for Faculty Position in the Baba Research Unit" and send it as an email attachment to the address below.

*Please use the subject line "Application for Faculty Position in the Baba Research Unit (Your Name)."

*The zip file size should be less than 10MB.

E-mail: toprunner@jcom.nagaokaut.ac.jp

Top Runner Incubation Center for Academia-Industry Fusion
Nagaoka University of Technology

17. Application Deadline

November 20, 2026

18. Inquiries

Top Runner Incubation Center for Academia-Industry Fusion
Nagaoka University of Technology
E-mail: toprunner@jcom.nagaokaut.ac.jp

19. Notes

- Personal information contained in application documents will be used strictly for selection and employment purposes and will not be used for any other purpose.
- The university actively promotes gender equality and provides comprehensive support for work-life balance during major life events.
(<https://gender.nagaokaut.ac.jp/en/support/system/>)
- We have launched a faculty and staff recruitment website. The site features interviews and discussions with current faculty and staff to introduce our university, as well as information on training programs, so please be sure to check it out
(<https://www.nagaokaut.ac.jp/j/recruit/index.html>)
- Smoking is strictly prohibited on all university premises.
(designated outdoor smoking areas provided)

Application Form for NUT Tenure-Track Position

Field of Screening	Category		Photo (upper body, taken within the last 3 months)
	Research fields related to heat transfer and thermophysical properties, particularly (i) the development and thermophysical characterization of functional materials for use in thermal management and energy conversion, or (ii) heat transport and thermal management using multiphase flows or functional fluids.		
Full Name (in Roman letters)	(Family) (First) (Middle)	Gender: ☐ Male ☐ Female	
Date of birth (Age)	MM / DD / YYYY (Age: ____ as of application deadline)		
E-mail Address			
Current Address			Phone
Current Job	Organization: Department/ Division: Title/ Position:		Phone
Preferred Contact Address	() Home or () Work * Make a circle and please specify below.		Phone
Educational Background			
Period	Name of University, Department, etc.	Degree/ Status (Graduation, Completion, Withdrawal)	
from to			
from to			
from to			
from to			
from to			
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from to			

Work Experience (or Research History)				
Period		Affiliation		Position/ Job title
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from	to			
from	to			
from	to			
from	to			
from	to			
from	to			
Doctoral Degree	Conferred Date		Degree Type	University Conferred
	Dissertation Title			
List of representative papers (up to five papers)				

*Note: In principle, all communications regarding selection results will be sent via E-mail. Phone calls or other methods may be used if necessary or in urgent cases.

List of Publications

1. Books (Names of co-authors must be specified)

2. Refereed academic journal papers (Names of co-authors must be specified)

3. Refereed international conference proceedings (Names of co-authors must be specified)

4. Reviews and commentaries (Names of co-authors must be specified)

5. Patents (Specify whether pending or granted, and list joint inventors/applicants)

6. Others

Research Grants, Awards, etc.

1. External research grants (Specify whether acting as Principal Investigator or Co-Investigator; if Co-Investigator, clearly state the amount allocated to the applicant)

2. Awards (Names of co-recipients must be specified)

3. Activities in academic societies and/or industry

4. Keynote lectures, invited talks, etc.