

**Tokyo Polytechnic University Wind Engineering Research Center**  
**2026 Fiscal Year Joint Usage / Research**  
**Application Guide**

December 20, 2025

Wind Engineering Research Center  
Tokyo Polytechnic University

The Wind Engineering Research Center at Tokyo Polytechnic University was founded in 2000 and has since been involved in educational and research activities with various domestic and overseas institutes. It was recognized as the 21<sup>st</sup> Century Center of Excellence Program (Wind effects on Buildings and Urban Environment) in 2003 and the Global Center of Excellence Program (New Frontier of Education and Research in Wind Engineering) in 2008 by the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT). Through these programs we have achieved fruitful results in both educational and research activities. Furthermore, in order to promote collaborations with international research institutes worldwide, we have been adopted by the Joint Usage Research Center (JURC) by MEXT. Currently, under the JURC program, approximately 20 research activities in total have been ongoing annually since 2013.

This year, our center has been selected for the third term as a Joint Usage/Research Center, and we will continue to actively work toward solving various issues related to wind engineering.

We plan to continue JURC research activities and to carry out innovative Joint Research Programs with further promotions of collaborations with various agencies such as domestic and international research institutes in industry, academia and government. We call for 2026 joint research themes as described below. The results of adoptions will be notified in May 2026. Please be aware that part of the plan may change depending on the situation.

1. Types of research topics

There are four types of joint research topics.

(1) Specific research topic

Tokyo Polytechnic University (TPU) Wind Engineering Research Center (WERC) sets up specific research topics in wind engineering and seeks applicants to work together with TPU/WERC members.

If applicants want to use our facilities and data, they need to make arrangements with

TPU/WERC members before applying.

Research workshops are required to present research results.

The budget of any specific research topic will not exceed JPY 600,000 including travel expenses and costs for research meetings. However, when researchers who have made remarkable achievements are invited, additional costs will be considered separately.

- Wind resistant design / Wind hazard mitigation field  
(TPU/WERC member: Masahiro Matsui\*, Akihito Yoshida, Yong Chul Kim)
  - Research on strong-wind-induced damage caused by intensified severe typhoons, tornadoes and storms
  - Research on wind load evaluation of structures utilizing the TPU aerodynamic database, AI, and ML
  - Research on wind loads and response evaluation of long-span structures and high-rise buildings
- Indoor environment field  
(TPU/WERC member: Yoshihide Yamamoto\*, Yingli Xuan)
  - Research on building ventilation in urban areas
- Outdoor environment field  
(TPU/WERC member: Ryuichiro Yoshie\*, Yingli Xuan)
  - Research on urban ventilation and pollutant/dangerous substances' dispersion
  - Research on wind environment and thermal environment in urban areas
- Decarbonization / Climate change related field  
(TPU/WERC member: All members)

This is to solve long term scale global environmental problems related to indoor environment, outdoor environment, and wind resistant design / wind hazard mitigation. For example, decarbonization / deplasticization and sustainable energy use, climate change mitigation and adaptation, wind safety of natural energy power generation facilities / wooden buildings, and so on.
- Transdisciplinary・Cross-disciplinary field  
(TPU/WERC member: All members)

This is transdisciplinary joint research undertaken by researchers from multiple fields related to wind engineering (transdisciplinary research theme), or cross-disciplinary joint research with some researchers not related to wind engineering. This research

provides advantages for both research fields (cross-disciplinary research theme). If you apply for a Transdisciplinary or Cross-disciplinary research theme, you need to describe the advantages for all areas for all participants.

\* : person in charge of each field

## (2) General research topic

Applicants set up their own research topics related to wind engineering and work together with TPU members. Please refer to specific research topics.

If you want to use facilities and data, you need to make arrangements with TPU members before applying.

Research workshops are required to present research results. The budget of the general research theme will not exceed JPY 400,000 including travel expenses and costs for research meetings. However, when researchers who have made remarkable achievements are invited, additional costs will be considered separately.

## (3) Research workshop

Applicants set up workshop topics and undertake them together with TPU members.

Research workshops need to be prepared with a precise aim. Please refer to specific research topics. The budget of the research workshop will not exceed JPY 150,000 including travel expenses. However, when researchers who have made remarkable achievements are invited, additional costs will be considered separately.

## (4) Fund prepared research

Applicants together with TPU members should prepare their own funding for a research separately. Applicants can use facilities and data but no budgets are provided for this type of research. Applicants need to make arrangements with TPU members before they apply.

# 2. Application procedure

## (1) Qualifications

Researchers from universities, research institutions, independent administrative agencies and companies can apply. However, researchers from private companies should have no commercial objectives and there should be no impediments to announcements of research results or ownership of intellectual property rights.

(2) How to fill in application form

Before applying, read this guide carefully and consult with TPU members in charge about the research topic and contents. For each research topic a specific TPU member will work with the applicant to determine an applied research. Basically, applicants will select a collaborative TPU member but if an applicant has no preference about who should be a collaborator he/she should contact a person in charge of each research field (see 1. (1) Specific research topic). If you don't have sufficient consultation with a collaborative TPU member, your theme may be rejected.

To apply, fill in the forms of "2026 Fiscal Year Tokyo Polytechnic University Wind Engineering Research Center Joint Usage/Research Center Application (New Form)", and submit as below;

(3) Submission and due date

Each application form for specific research, general research and research meeting must be filled out and sent as a Microsoft Word file via e-mail to the below address by the deadline. When an application is received a notification e-mail will be sent within 3 working days. If an applicant does not receive confirmation, he/she must contact the Wind Engineering Research Center Office.

Submit to

Tokyo Polytechnic University Wind Engineering Research Center Office

E-mail: [collaborate@arch.t-kougei.ac.jp](mailto:collaborate@arch.t-kougei.ac.jp) (or [jurc\\_office@arch.t-kougei.ac.jp](mailto:jurc_office@arch.t-kougei.ac.jp))

Schedule

- Application deadline: Feb. 28, 2026\*<sup>1)</sup>
- Announcement of selection results and budget confirmation: May, 2026 (planned)
- Submission due date of collaborative researchers list, Letter of Commitment, permission from the top of the relevant organization: within one month after announcement of selection
- Submission due date for result report: End of April 2027

\*1) No specific application due date for Fund Prepared Co-researches

(4) Selection and announcement of successful candidates

Selection of successful applications will be based on an examination of the Wind Engineering Research Center Steering Committee constituted of TPU members and intellectuals from outside TPU. Notification of successful application will be sent to the representative researcher. Besides research contents, budget limit and availability of

research facilities will also be considered for selection.

(5) Inquiry

Research facilities, research topic, research contents, research period, etc., will need to be discussed thoroughly with TPU members.

Members of Tokyo Polytechnic University Wind Engineering Research Center  
(Faculties of Graduate School Engineering/Department of Architecture and Wind Engineering)

- Field of strong wind disaster prevention, wind resistant Structure  
(TPU/WERC member: Masahiro Matsui\*, Akihito Yoshida, Yong Chul Kim)
- Field of indoor environment  
(TPU/WERC member: Yoshihide Yamamoto\*, Yingli Xuan)
- Field of outdoor environment  
(TPU/WERC member: Ryuichiro Yoshie\*, Yingli Xuan)

\*: person in charge of each field

3. Considerations

(1) Selection and announcement of selection

Application proposals will be fairly examined by the Wind Engineering Research Center Steering Committee and selection results will be sent to representative researchers.

(2) Required expenses

Expenses for researches including research equipment and travel expenses can be paid. However, as a result of examination, the required budget will not be provided in full. Budget execution will be carried by the Tokyo Polytechnic University Wind Engineering Research Center Office through TPU members.

(3) Publication of JURC research results

When you submit your paper related to WERC, please refer to the below examples and describe both the MEXT Grant Number and JURC grant number in your acknowledgement letter.

EX : This research was supported by the joint research project of the Wind Engineering Research Center, Tokyo Polytechnic University. (MEXT Japan) Promotion of Distinctive

Joint Research Center Program Grant Number : JPMXP0619217840, JURC grant number XXXXXXX).

(4) Research Results Report

The representative researcher needs to submit a summary of your research results on a specified form electronically (must be a Microsoft Word file) by the end of April 2026. The report contents will be posted in the Wind Engineering Research Center publication and website.

(5) Accommodation

When research experiments are held in the Wind Engineering Research Center and researchers require accommodation, accommodation near Hon-Atsugi station will be recommended. Please discuss with TPU members beforehand.

(6) Other

- 1) If necessary, an applicant will receive permission from the top of the relevant organization before application.
- 2) After an application is accepted, collaborative researchers need to receive permission from the top of the relevant organization and this will be submitted to the Wind Engineering Research Center Manager.

Participants are expected to follow the code of conduct of research activities at Tokyo Polytechnic University and are asked to submit a letter of commitment.

Please access the below URL to see the code of conduct of research activities at TPU.  
<https://www.t-kougei.ac.jp/research/fund/>

- 3) To use research facilities, discuss with TPU members and follow their instructions.
- 4) To apply, an application form must be submitted as an attached file via electronic medium. The application (Microsoft Word form only) form can be downloaded from <http://www.collaborate.wind.t-kougei.ac.jp/joint/>
- 5) TPU will not be responsible for any loss or accident during experimental tests. This is the responsibility of relevant organizations. When postgraduate students are participating researchers they must subscribe to an accident insurance policy “Education and Research Accident Insurance for Students” at their relevant institute and report to it concerning participation in outside co-research with TPU.  
For details, please contact the corresponding department.
- 6) Application forms and selection results can be found on the Wind Engineering Research Center Homepage.
- 7) Dealings and ownership of intellectual property rights resulting from co-research

have to be decided by consultation unless already agreed in prior consultation. For details, please contact the Tokyo Polytechnic University Education and Research Support Office.

- 8) For any other inquiries contact TPU members or Tokyo Polytechnic University Wind Engineering Research Center Office.

#### Contact

Tokyo Polytechnic University Wind Engineering Research Center Office

E-mail: [collaborate@arch.t-kougei.ac.jp](mailto:collaborate@arch.t-kougei.ac.jp) (or [jurc\\_office@arch.t-kougei.ac.jp](mailto:jurc_office@arch.t-kougei.ac.jp))

Address: 5-45-1 Iiyama-minami, Atsugi, Kanagawa, 243-0297, Japan

Tel: +81 (0) 46 242 9658

#### Application Q&A

Q1. Are researchers from private companies qualified to be representative of joint researches at TPU?

A1. Researchers from private companies are qualified to be representative researchers providing that they have no commercial objectives and there are no impediments to announcement of research results or ownership of intellectual property rights.

Q2. What about intellectual property rights of research projects' results?

A2. Dealings and ownership of intellectual property rights resulting from research projects have to be decided by consultation unless already agreed in prior consultation.

Q3. Is there any limitation on the number of applications that a candidate can make in the same year?

A3. There is no limitation. However, it is necessary to consider the effort made for each research project to avoid interference with other works.

Q4. Is it possible to apply across multiple fiscal years?

A4. Only single-year applications are accepted.