

Application for Wind Tunnel Use (First Half of FY 2025)

To all users,

Institute of Fluid Science, Tohoku University
Advanced Flow Experimental Research Center
Director: Hiroki Nagai

Thank you for your continued use of the Low-Turbulence Wind Tunnel Experimental Facility. We are pleased to announce the application process for facility use in the first half of the next fiscal year. If you wish to apply, please follow the instructions below.

Facilities Available:

- Low-Turbulence Heat Transfer Wind Tunnel (Magnetic Suspension and Balance System, MSBS)
- Small Low-Turbulence Wind Tunnel
- Low-Noise Wind Tunnel
- Blow-Down Wind Tunnel

(Open-Type Test Section: Turbulence Intensity < 0.9%, Connected to Magnetic Suspension and Balance System: < 1.5%)

*The cause has not been identified, but airflow issues may occur when the Magnetic Suspension and Balance System is connected.

Available Period:

April 1, 2025 (Tuesday) – September 26, 2025 (Friday)

※ Exclusion dates: April 28 (Monday) – May 2 (Friday), August 12 (Tuesday) – August 15 (Friday)

Application Deadline:

February 27 (Thursday)

Application Method:

Please fill out the attached application form (Form-1) and submit it to the following Google Form.

<https://forms.gle/E78iFNnVHGf1dT9A8>

*If you plan to host large-scale visits (e.g., conferences or events) during this period, please inform us in advance so we can adjust the schedule accordingly.

Instructions for Form Entry:

- Please submit a separate entry for each research project.
- For MSBS use, please enter the information **twice** as follows:
 - 1st: Enter the number of days for the **MSBS adjustment period**.
 - 2nd: Enter the number of days for the **wind tunnel test period** and check the "Magnetic Suspension and Balance System" box under equipment.

For First-Time Users:

If this is your first time using this facility, please contact the Low-Turbulence Wind Tunnel Laboratory, Institute of Fluid Science in advance.

Usage Fees:

- The primary usage fees can be checked by logging into the Tohoku University “System for integrated management of equipment” with your Tohoku University ID.
- Search for "wind tunnel" in the "Equipment Search" section to view the usage fees for each facility.

[System for integrated management of equipment]

<https://share.cfc.tohoku.ac.jp/share/>

*Fees may be waived for educational activities such as classes and club activities. Please contact us separately for details.

Other Information:

- Depending on the circumstances, we may adjust the schedule or decline applications. We appreciate your understanding.
- Application forms can also be downloaded from our website:
[Wind Tunnel Facility Usage Page]
<https://www.ifs.tohoku.ac.jp/windtunnel/index.html>
→ Select "Internal/Public Joint Research (Academic) / External Use" under "Usage Flow"
→ Click "Submit Wind Tunnel Application Form" → Details → Wind Tunnel Application Form

Contact Information:

Low-Turbulence Wind Tunnel Laboratory, Institute of Fluid Science

Wind Tunnel Mailing List: wind-tunnel@tech.ifs.tohoku.ac.jp

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