



History

• Centennial Hall, Tokyo Institute of Technology

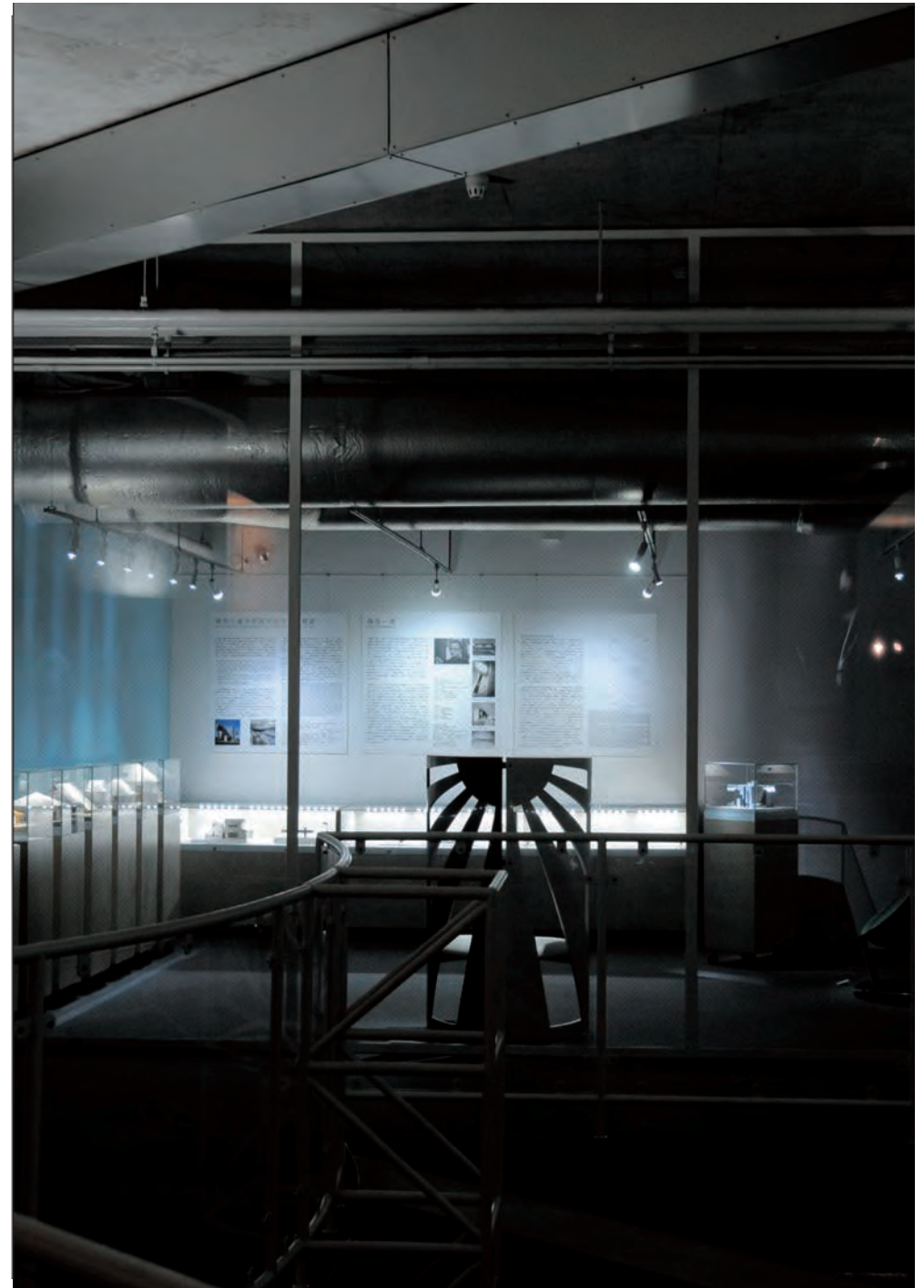
The planning of Tokyo Institute of Technology Centennial Hall began in 1981 as a part of a series of projects to celebrate Tokyo Tech's 100th anniversary. These projects were advanced with gifts from graduates and the corporate community through the fundraising committee led by Mr. Toshio Doko, the then-president of the Tokyo Tech Alumni Association. The prospectus for fundraising at that time stated the purpose of establishing Centennial Hall as follows.

"The centennial history of Tokyo Tech is the history of research and education in science and technology that has supported the development of Japan. (Partially omitted) Precious equipment, documents, and records used for research and education have been collected. We believe that systematically organizing these materials for exhibit is meaningful in clarifying the achievements of our predecessors not only for Tokyo Tech, but also for the growth of science and technology-related education and research in Japan. Such a collection can also form a cornerstone in promoting further expansion of the Institute. In commemoration of Tokyo Tech's 100th anniversary, we are planning the construction of Centennial Hall, which will preserve and exhibit scientific and technological achievements in research and education over the past century, display recent cutting-edge creations in science and technology, and serve as a monument to Tokyo Tech's future development. (Source: The Fundraising Prospectus for Tokyo Tech's 100th Anniversary Projects)

As stated above, planning for the Centennial Hall project began with the aim of creating a museum that focuses on preserving and showcasing Tokyo Tech's scientific and technological achievements throughout its history. In line with this objective, two core concepts were developed. One is "human heritage, which teaches us about the scientific perspective through direct dialogues with predecessors who are actively involved in cutting-edge science and technology. The other is "material heritage, which reveals the background of accumulated technology and research findings with the help of actual documentation. The construction of Centennial Hall, designed by Professor Kazuo Shinohara, started in October 1986 and was completed in September 1987. The building, which was funded with gifts received through the fundraising committee, opened in November 1987.

• Tokyo Tech Museum and Archives

On April 1, 2011, Tokyo Tech Museum and Archives opened as a base for collecting and communicating the characteristics of Tokyo Tech both on and off campus. The facility gathers and stores evidence of the Institute's historical research and education-related achievements, and identifies and publicizes the benefits of ongoing cutting-edge research in various fields, successful social applications, and the accomplishments of graduates. In addition to historical materials, the museum displays the Institute's research achievements in wide-ranging fields through models and actual articles to increase public awareness of the impact created by Tokyo Tech. It organizes campus tours, scientific workshops, and special exhibitions to encourage human exchanges through science-related activities. These events are supported by the concepts behind Centennial Hall, which also form the basis of the museum's foundation. By passing down the Institute's treasures and interacting with people on a daily basis via "human and material heritage, and cooperating with Tokyo Tech Front (TTF), the Tokyo Institute of Technology Library, and the Laboratory for Design of Social Innovation in Global Networks (DLab) located on the fourth floor of Centennial Hall, Tokyo Tech Museum and Archives aims to serve as a core of academic exchange in culture, science, and technology at Tokyo Tech and in the broader community.



Overview

Centennial Hall consists of conference rooms, the Meeting Lobby, and exhibition rooms. The permanent exhibition rooms in the basement and on the second floor are open to the public. Museum collections include important equipment and items used for research and education at Tokyo Tech, and many other materials and works donated by Tokyo Tech graduates and members of the broader research community (see list below). Some of these items are showcased in the permanent exhibition rooms. On the first floor, large space with a high ceiling and surrounding glass panels is used for special exhibitions and symposiums, which also serves as an optimal learning space for students wishing to study alone or hold meetings.

The third floor of the building features Ferrite Memorial Hall and the Meeting Lobby that are ideal for mid-sized conferences, lectures, and receptions. The half cylinder that forms the ceiling creates an avant-garde and dynamic space.

The fourth floor has served as the home of the Laboratory for the Design of Social Innovation in Global Networks (DLab) since April 2020, and is restricted to Tokyo Tech faculty and staff members only. This space is the result of unique bent half-cylinder architecture stretching from across Ookayama Station towards the Main Building.



Exhibition of documents related to history of Tokyo Tech, materials from Seichi Tejima, Taizo Masaki, and Koroku Wada



Collection of vacuum tubes created by Kiyoshi Morita and Masao Nishimaki Labs

Ceramic collection of Kosuke Hirano
 Collections of craft artists who graduated from Tokyo Tech
 Holography research and works collection
 Collection of paintings by Tokyo Tech graduate Shigeru Kondo
 Reference materials of Taizo Masaki
 Reference materials of Seichi Tejima
 Collection of vacuum tubes created by Kiyoshi Morita and Masao Nishimaki Labs
 Reference materials of Kingo Hirabayashi
 Architectural materials of Yoshiro Taniguchi
 Architectural materials of Kiyoshi Seike
 Architectural materials of Kazuo Shinohara
 Collection of measurement devices and computers used by Tokyo Tech
 Parson's turbine
 World's oldest active Stirling engine
 Collection of spinning and weaving machinery used by Tokyo Tech

Collection of large-sized machinery developed by Tokyo Tech
 Quartz crystal oscillator research materials of Issac Koga
 Ferrite research materials
 Materials on Tokyo Tech reformation led by Koroku Wada immediately after World War II
 Robotics research collection
 Collection of building construction photos at time of Tokyo Tech's establishment
 Furuhashi family documents
 Materials related to history of Tokyo Tech
 Collection of Tokyo Higher Technical School students' notebooks (Genkichi Niki, etc.)
 Collection related to Shu Kambara
 Gear-related research materials of Takashi Nakada
 Optical communication research materials of Yasuharu Suematsu and Kenichi Iga
 Photochemistry research materials of Ikuzo Tanaka
 Nobel Prize-related materials

B1 Special Exhibition Rooms

Mon. - Fri. / 10:30 - 16:30 [Free admission]

[Exhibitions]

Special Exhibition Room A

- ① Tokyo Tech and Kuramae: Kuramae Campus materials
 Tokyo Tech and the ceramic industry: Ceramic research materials
- ② Tokyo Tech and architecture: Building models and architecture research materials
- ③ Three major inventions at Tokyo Tech: Ferrite research materials
- ④ Tokyo Tech and chemistry: Materials on foundation of Department of Chemical Engineering, industrial production of synthetic rubber, synthetic fibers, and vitamin B2, and research on photoionization and laser photochemistry
 Tokyo Tech and physics: Absolute zero point research materials
- ⑤ Tokyo Tech and machinery: Gear research and robotics research materials
- ⑥ Tokyo Tech and Nobel Prize: Materials on research that was awarded a Nobel Prize

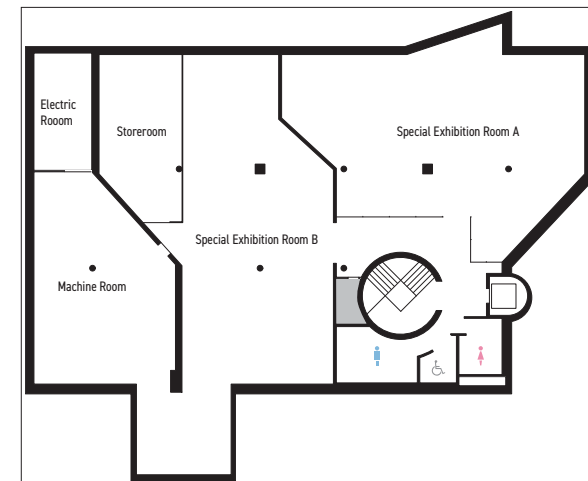


Special Exhibition Room B

- ⑦ Spinning and weaving machine section: Textile machines used at spinning and weaving plants (department experiments for students)
- ⑧ Scientific equipment heritage section: Honda's thermobalance and other historically valuable scientific instruments
- ⑨ Communication section: Communication equipment developed or used by Tokyo Tech
- ⑩ Hologram section: Holography research materials and works
- ⑪ Large machinery heritage section: Stirling engine and other historically valuable large-sized machines



*Exhibits may change without notice.



1F Information & Learning Commons (T-POT)

Mon. - Fri. / 8:30 - 17:00 [Free admission]

Please see the "Recommended tools" on the last page of this pamphlet for more details about equipment and fixtures available at T-POT.

The Information & Learning Commons, also known as T-POT, is an active learning space used for studying and accessing Tokyo Tech information. It hosts exhibitions, research presentations, seminars, workshops, and groupwork and discussion sessions outside the classroom. There is also a shelf dedicated to on-campus information, so if you are new to Tokyo Tech or looking for a specific location, check it out.

What is T-POT?

When the first floor of Centennial Hall was remodeled into a learning space, it was named "T-POT" after a call for proposals from the public. Using the initial letters from

- "TokyoTech,"
- "People, Performance,"
- "Opportunity,"
- "Technology."

T-POT was named with the hope that it would become a space where people enjoy performance, gain opportunities through information exchange, and develop new technology.

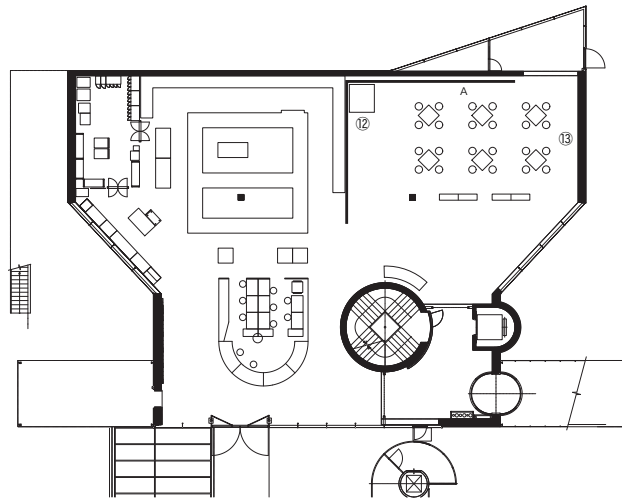


[Exhibitions]

⑫ Main Building model

⑬ Scenery (Rikuro Okamoto: 1992-1993)

A Introduction to "Tokyo Tech Future Chronology," a visual tool created at numerous workshops of the Laboratory for Design of Social Innovation in Global Networks (DLab) to examine from a broad perspective the various components of a more desirable future.



2F Exhibition Rooms

Mon. - Fri. / 10:30 - 16:30 [Free admission]

[Exhibitions]

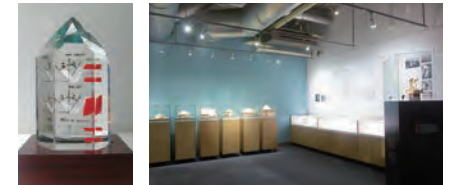
⑭ From the foundation of Tokyo Vocational School to the growth of Tokyo Tech based on the new university system: Tokyo Tech originated as the Tokyo Vocational School in 1881, and became Tokyo Technical School in 1890, Tokyo Higher Technical School in 1901, and then a four-year degree-conferring university in 1929. This exhibit displays the chronology of Tokyo Tech to the present, and materials regarding three principals who led Tokyo Tech in its foundation and reformation periods.

- Tokyo Tech Chronology
- Seichi Tejima: Established foundations of technical education
- Taizo Masaki: First principal of Tokyo Vocational School
- Koroku Wada: Led reformation of Japanese universities immediately after World War II

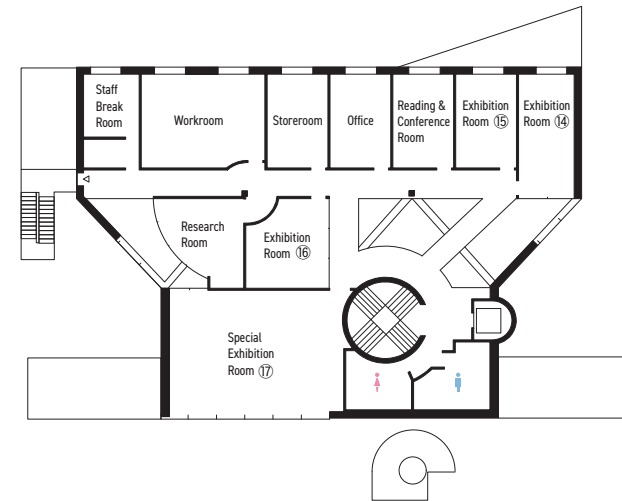
⑮ History of cutting-edge electrical-optical communication research: Since the late 1920s, Tokyo Tech has been conducting research on advanced communication technology, from radio frequency communication to optical communication. This area introduces the invention of highly stable quartz crystal oscillators by Issac Koga and other historical Tokyo Tech achievements.

⑯ Centennial Hall and Kazuo Shinohara: This room introduces Centennial Hall, which was built as part of Tokyo Tech's 100th anniversary celebrations, and exhibits models of houses designed by Kazuo Shinohara, who also designed Centennial Hall.

⑰ Special Exhibition Room: This multi-purpose space is used for small exhibitions, workshops, and other events.



Top: ⑭
Middle left: ⑮
Middle right: ⑯
Bottom: ⑰



3F Ferrite Memorial Hall **_CLOSED from Oct. 2023**

(Reservations, usage fee required)

The Meeting Lobby can be used freely by individuals with reservations. Please check the "User Guide" towards the end of this pamphlet for more details about using the facility.

Ferrite Memorial Hall is suitable for mid-sized conferences and lectures (recommended capacity: 76 persons / maximum capacity: 100 persons / eating and drinking prohibited).

Located just one minute on foot from Ookayama Station, Ferrite Memorial Hall is convenient for mid-sized conferences and lectures. The Meeting Lobby next to the hall can also be used as a reception or waiting room. With windows that offer panoramic views of the surrounding areas and a ceiling shaped like the bottom of a bent cylinder, the meeting room leaves an impression on many visitors.

What is ferrite?

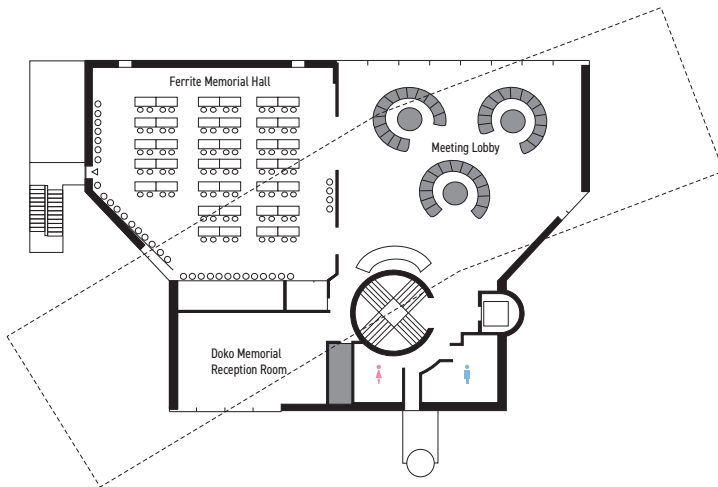
Ferrite is an oxide magnetic material composed mainly of ferric oxide. The first ferrite compounds were synthesized and patented by Professor Yogoro Kato and Associate Professor Takeshi Takei at Tokyo Tech in 1930. First, cobalt ferrite, a strong permanent magnetic material, was synthesized followed by copper zinc ferrite, an excellent high-frequency magnetic core material. The ferrite invented at Tokyo Tech was industrialized by graduates, and created significant impact in society. To commemorate this achievement, this conference room was named Ferrite Memorial Hall.



Ferrite Memorial Hall



Meeting Lobby



4F Laboratory for Design of Social Innovation in Global Networks (DLab) **co-working space _CLOSED from Oct. 2023**

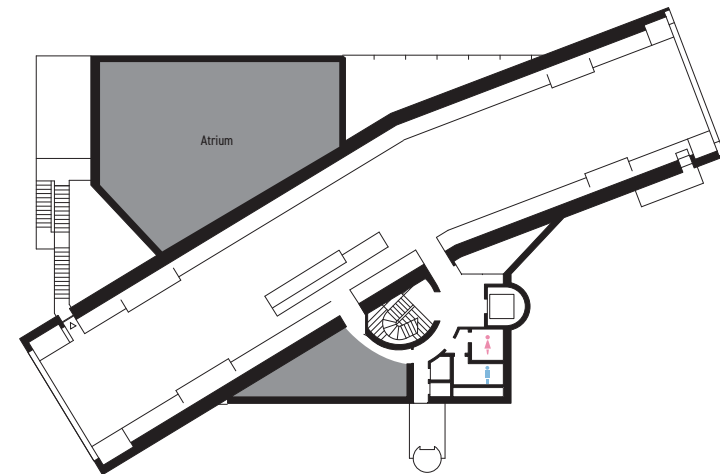
(Former meeting space)

The bent half-cylinder architecture stretching from across Ookayama Station towards the Main Building is a distinctive feature of Centennial Hall. The interior of this half-cylinder has been remodeled to create the DLab co-working space. This space is used to promote dialogue and cooperation among Tokyo Tech researchers involved in DLab activities.

*The DLab co-working space is available for Tokyo Tech faculty and staff members only, and is not available for rent.

What is DLab?

DLab was established in September 2018 to gauge the needs and desires of society, design our future together with the public, and create a brighter, more prosperous world. DLab hosts workshops and other events that initiate discussions on future society among Tokyo Tech faculty, staff, students, alumni, and members of the public. A Japanese version of the Tokyo Tech Future Chronology and various elements that make up the whole can be viewed on the first floor of Centennial Hall.



User Guide

Tokyo Tech Museum and Archives, Centennial Hall

Mon. - Fri. 8:30 - 17:00 (excluding national holidays, year-end and New Year holidays)

Permanent Exhibition Room	B1F, 2F	10:30 - 16:30	[Free admission]
Information & Learning Commons (T-POT)	1F	8:30 - 17:00	[Free admission]
Ferrite Memorial Hall	3F		CLOSED
Laboratory for Design of Social Innovation in Global Networks (DLab) co-working space	4F		CLOSED

Reception for 1st Floor T-POT and 3rd Floor Conference Rooms

Museum Office phone: 03-5734-2098 (9:30-17:00), email: centjim@jim.titech.ac.jp

**Representative for use must be a Tokyo Tech faculty or staff member (students or graduates cannot serve as representatives).

*4th floor is used by DLab and is not available for rent.

If you are a Tokyo Tech faculty or staff member, please contact DLab (email: lab4design@jim.titech.ac.jp) for usage inquiries.

Facility name	Area	Capacity (Max. capacity)	Usage fee (per hour)		Remarks
			Tokyo Tech user	Non-Tokyo Tech user	
1F T-POT Zone A	81m ²	24			No space rental
3F Ferrite Memorial Hall	364m ²	76 (100)	¥11,492	¥22,985	No space rental
Doko Memorial Reception Room	60m ²	10 (15)	¥1,894	¥3,829	No space rental

Notes

- Conference rooms are available for meetings hosted by Tokyo Tech faculty or staff members, and other academic organizations for the purpose of education and research (negotiable).
- Doko Memorial Reception Room on the 3rd floor is only available to parties using the Ferrite Memorial Hall conference room.
- Please check the Tokyo Tech Museum and Archives official website, or contact the Museum Office for availability and more details about the 3rd floor.

Contact and access information

Tokyo Tech Museum and Archives, Centennial Hall, Ookayama Campus

Mon. - Fri. 9:30 - 17:00

Phone: 03-5734-3340 / Fax: 03-5734-3348

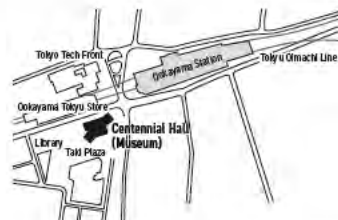
Email: centjim@jim.titech.ac.jp

URL: <http://www.cent.titech.ac.jp/>

Tokyo Tech Museum and Archives, Centennial Hall

Ookayama Campus 2-12-1 Ookayama, Meguro-ku, Tokyo, Japan, 152-8550

Nearest train station: Ookayama Station on Tokyo Meguro Line and Oimachi Line



Tokyo Tech Museum and Archives, Public Records and Archives Office, Suzukakedai Campus

G5 Building, 7F, Room No. 701 - 711 (Reading Room, Office)

Mon. - Fri. / 10:00 - 12:15, 13:50 - 16:00 (Last entry: 3:30 p.m.)

Phone: 045-924-5501 / Fax: 045-924-5536

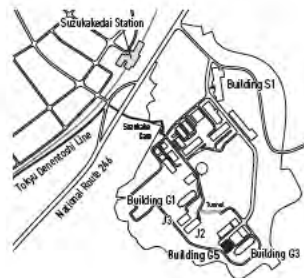
Email: centshiryou@jim.titech.ac.jp

URL: <http://www.cent.titech.ac.jp/>

G5 Building 7F, Suzukakedai Campus, 4259 Nagatsuta-cho, Midori-ku, Yokohama City, Kanagawa

Prefecture

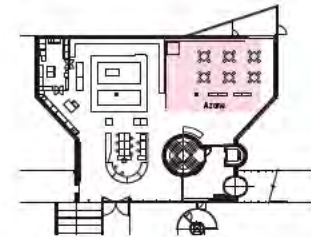
Nearest train station: Suzukakedai Station on Tokyu Denentoshi Line



Information & Learning Commons (1F/T-POT): Recommended tools

T-POT is equipped with a wide variety of convenient tools for connecting people and spaces!

Zone A is available to students, faculty, and staff members for classes, meetings, workshops, and many other purposes. Special exhibitions are also held here by Tokyo Tech Museum and Archives.



① White wall

(approx. 9 meters wide)

Users can attach sticky notes, use magnets, or just write directly on the white wall, making it an ideal tool for discussions, groupwork, and seminars. White board markers (4 colors), erasers, etc. are also available.



③ Movable electronic blackboard

Using a dedicated touch pen, users can write and draw diagrams freely on the blackboard. When connected with a computer, the blackboard also functions as a monitor. Items included with the blackboard: HDMI cable, VGA cable, Mac display port to HDMI conversion connector, USB cable, etc.



② Projector (communication tool)

This movable projector projects images onto the white wall, making it a great option for presentations. Items included with the projector: HDMI cable, VGA cable, Mac display port to HDMI conversion connector, laser pointer, extension cord, etc.



④ Wall vision

Wall vision can be used to show on-campus information and event videos using the on-campus TV conference system. Output and broadcast from a computer, etc. is also possible.



⑤ Movable shelf

This movable shelf can also be used as baggage storage and as a partition for classes and events.



Notes regarding rental spaces

- Inquiries and reservations for rental spaces must be sent in advance to Tokyo Tech Museum and Archives. Please check the "User Guide" for more details.
- The items described above are only available for use at T-POT. We do not lend items for use outside T-POT.

Reservations and inquiries

Tokyo Tech Museum and Archives official website: <http://www.cent.titech.ac.jp>

Reservation for Centennial Hall Conference Room (Museum Office)

Phone: 03-5734-2098 / Email: centjim@jim.titech.ac.jp

