

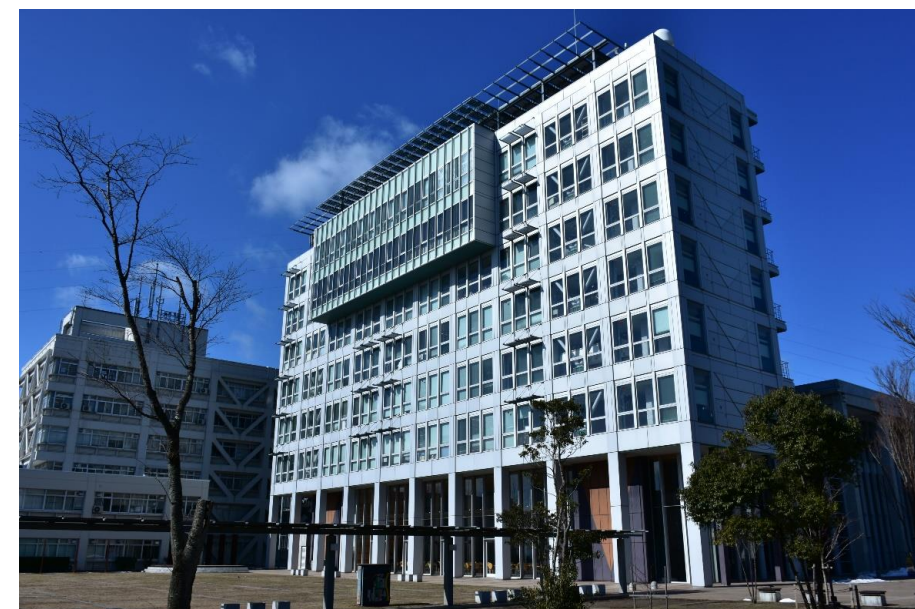
# Technical Tour 1



Damping device of NTT East Sendai Aobadori Bldg.



Tohoku University



Tohoku Institute of Technology

Site to Visit	: NTT East Sendai Aobadori Bldg. Civil Engineering and Architecture Education and Research Building, Tohoku University No. 10 Building at Tohoku Institute of Technology
Date	: September 14 (Mon)
Meeting Time	: 8:50 AM
Meeting Place	: Sendai International Center (Main Venue)
<b>Fee</b>	: (JPY)
Capacity	: 40 delegates maximum
Dress	: Casual
Inclusion	: Transfer from Sendai International Center to venues
Note	: Contact information required to visit NTT East Building

## **NTT East Sendai Aobadori Bldg.**

NTT East Sendai Aobadori Building is the first application of an innovative seismic control system, the tuned viscous mass damper (TVMD). A rotary inerter damper designated inertial rotary damping tube (iRDT) is incorporated into the structure via flexible rubber spring elements to tune the damper to the fundamental natural frequency of the building.

## **Civil Engineering and Architecture Education and Research Building, Tohoku University**

The Civil Engineering and Architecture Education and Research Building of Tohoku University was severely damaged by the 2011 Great East Japan Earthquake, demolished, and rebuilt as a base-isolated building. The base-isolation system comprises 8 natural rubber bearings, 31 lead core rubber bearings, 15 cross linear bearings, and 8 fluid dampers.

## **Tohoku Institute of Technology**

The seismic control devices incorporated into the Building No. 10 of Tohoku Institute of Technology is damaged by the 2011 Great East Japan Earthquake.

## Tour Route

8:50 AM	Sendai International Center
	NTT East Sendai Aobadori Bldg.
	Civil Engineering and Architecture Building, Tohoku University
	No. 10 Building, Tohoku Institute of Technology
12:40 PM	Sendai International Center