

# Technical Visits

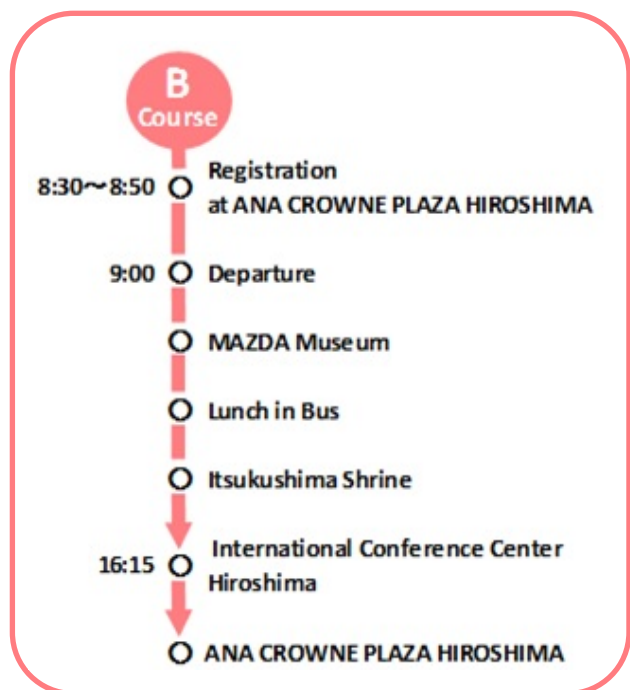
Date: Monday, November 18.

Time: A Course 9:00 - 17:15 / B Course 9:00 - 16:15

Technical Visits will be arranged under the cooperation of the following organization on Monday, November 18. SETC2019 Technical Visits offer unique courses of interests. You can select from the following two courses.

Course A presents you great experiences through the visits to Mazda Museum, Engineering Department of Hiroshima University and the local brewery street of Saijo. In addition to the prepared factory tour, you obtain an opportunity to have a special technical presentation by Mazda's engineers. Meet earnest students and researchers at Hiroshima University for the latest news in their guided tour of the facilities. To get ready for the scheduled conference in the next days, relax and indulge yourself in the unique and unforgettable aroma of world-famous Japanese Sake on the brewery street.

Course B, after taking you to Mazda Museum as the other does, invites you to Itsukushima, a.k.a. Miyajima, one of the world-famous heritages of Japan. The magnificent Torii gate and historic solemn shrine, both painted beautifully in the traditional vermilion, welcome you for memorable time. It is scheduled well enough to provide you with the opportunity to witness the wooden buildings seemingly floating on the water. Do not forget the friendly deer roaming in the island, but take a little precautions not to get too close to them



The Mazda Museum, operated by Mazda Motor Corporation, a Japanese multinational automaker headquartered in Hiroshima, is a corporate museum located within the premises of Mazda Motor Corporation having a total area of 2,230,000m<sup>2</sup> (551acre). This time you will tour around the museum with a guide. The exhibits include:

- Video presentation regarding the history of the city of Hiroshima and Mazda, and how the automaker has put importance on craftsmanship in automotive manufacturing.
- The history of Mazda from its foundation up to today, along with the exhibition of historic cars.
- Exhibition of the rotary engine, Mazda's renowned technology, with various engine cut models and components. The racing car that won the Le Mans 24 Hour Race is also put on display.
- Presentation on the automotive development process from planning to production, as well as on SKYACTIV technology.
- Factory tour of the actual car assembly line.
- Mazda's perspective on the environmental issues, which is highlighted in "Sustainable Zoom-Zoom 2030."

Mazda will give you a special lecture for the Technical Visit, in addition to the usual visit to the museum.



# Technical Visits



## HIROSHIMA UNIVERSITY

national and municipal schools existed in Hiroshima district. After completing the reforms centered on reinforcement of its graduate school system (expansion of Master's and Doctor's programs) for every faculty in 2006,

HU has become one of the largest comprehensive research universities in Japan having 11 faculties and 11 graduate schools. In 2013, HU was designated by Japan's Ministry of Education, Culture, Sport, Science and Technology (MEXT) as a participant of the Ministry's Top Global University Project. HU is making steady progress

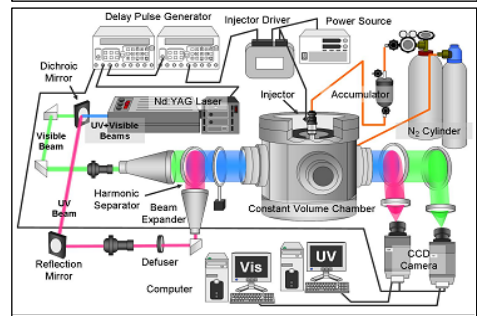
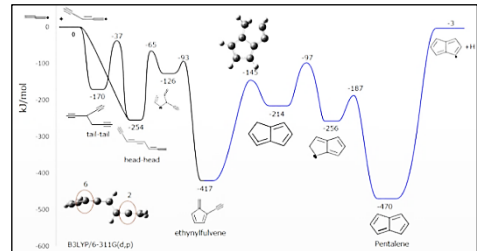


as a global university taking on worldwide challenges.

Tours to the laboratories majoring the heat and power engineering in Departments of Mechanical Systems Engineering and Mechanical Science and Engineering are planned as follows.

- Combustion Engineering Laboratory; Combustion fundamentals, Combustion chemical kinetics, Flame propagation, SI engine knocking, Catalytic converter
- Fluid Engineering Laboratory; Liquid atomization, SI and CI engine sprays, Laser diagnostics for mixture formation, Engine exhaust pulsating flow, Piston oil jet cooling
- Hiroshima University-Advanced Core for Energetics (HU-ACE); Fuel from biomass, Hydrogen production, storage and combustion, Pulse detonation engine, Laser ignition

Under the founding principle of "a single unified university, free and pursuing peace," Hiroshima University (HU) was founded in the year 1949 as one of the postwar new-system universities, combining eight



## Saijo Sakagura Dori

Saijo district is famous for its sake breweries, which is comparable to Nada in Hyogo and Fushimi in Kyoto. Currently, nine Sake breweries are in operation near Saijo Station. Sakagura Dori (Sake Breweries Streets) was designated as one of the "33 Heritage Constellations of Industrial Modernization" by the Japanese Ministry of Economy, Trade and Industry. The streets has unique ambience created by a lot of towering red brick chimneys, roofs covered with red tiles, a collection of sake storehouses built with Dozo-Zukuri which is characterized by the beautiful contrast between the white Shikkui (white paste used as a glue covering the walls) and Namako-Kabe (black tiles affixed to the wall), as well as Machiya, traditional wooden homes having narrow frontage with Senbon Goshi (evenly spaced vertical timber bars).

During the Technical Visit, you will walk around the Sakagura Dori described above with a guide, and will visit several Sake Breweries where you can learn the process of Sake brewing through video presentation. Enjoy Sake tasting, and shopping of Sake products.



Photo provided : Hiroshima Prefecture



Photo provided : Hiroshima Prefecture

## Itsukushima Shrine

It is said that Itsukushima Shrine, one of the Three Scenic Views of Japan, was established by Saeki-no-Kuramoto. In the late Heian Period, the current shrine building was constructed in its present form, as a shrine on the sea, with the assistance of Taira-no-Kiyomori. The conception of a shrine whose grounds include the sea, with its form ever changing with the ebb and flow of the tides, is like nothing else in the world. In December of the year Heisei 8 (1996), Itsukushima Shrine was registered as a World Heritage Site. Looking out over the Inland Sea before it and crowned to its rear by Mt. Misen, a sacred mountain where the gods are believed to have descended to earth, Itsukushima Shrine strikes a harmony between natural and man-made beauty.



Photo provided : Hiroshima Prefecture



Photo provided : Hiroshima Prefecture

**Note:** Technical Visits are on-line registration only. On-site registration is not available.