Civil engineering heritage, Historic infrastructures, and Legends in Tohoku region Instructors: Prof. Yuki Yamakawa (Phone: 022-795-7417, E-mail: yuki.yamakawa.c7@tohoku.ac

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Infrastructural Engineering Course/Department of Civil and Environmental Engineering
Opening meeting: 16h30, Tuesday, October 3, 2023

Room: Building of Civil Engineering and Architecture (F01), Room 404, Mathematical System Design Laboratory

Objective and Scope: Civil engineering is an academic field related to technology for building and maintaining infrastructures, such as roads, railroads, bridges, river management facilities, ports, and water supply and sewage systems. Infrastructures are monuments of technology and wisdom that support our safe and comfortable daily life.

Compared to other industrial products, infrastructures have a much longer working life; some of them have been in service and performing their functions for more than 100 years. However, it will eventually reach the end of its life and undergo a generation change, since it is an artifact. For example, roads and railroads will open new routes to meet social needs, new structures will be built to implement the new routes, people's interaction will thereby be promoted, and towns will develop along the routes. On the other hand, there are indeed many civil engineering heritages in Tohoku region that have been highly valued for a long time even after they have finished their role as active infrastructure.

In this course, we will mainly put our focus on the civil engineering heritages in Tohoku region, exploring the history of infrastructures, together with the social and historical background, as well as the progress of civil engineering technology woven by the wisdom and ingenuity of our predecessors.

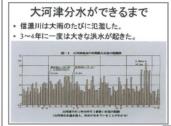






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The slides shown here are examples of the past courses. Subject of investigation and course details of this year may be changed.