

Information, AI, Data Science and Sustainable Urban and Architectural Design

1. Associate Prof. Yasuyuki Ishida, Prof. Hikaru Kobayashi
Email: yasuyuki.ishida.e1@tohoku.ac.jp
2. The first class: Tuesday, October 6 at 4:20 p.m.
Digital Design room in Innovation Plaza
Schedules will be adjusted based on the students.
3. In this class, after learning about BIM(Building Information Modeling)*, students will generate 3D models and design city blocks and building facades in conjunction with wind environment simulation software. Students will also discuss how the BIM process, as well as information, AI, and data science, can change society, cities, architecture, and people.

* BIM, the process of managing and streamlining all data related to architectural planning, investigation, design, construction, and management, is attracting attention. BIM 3D models integrate a variety of information on design, structure, materials, equipment, cost, maintenance, and CO2 emissions, etc., which can be linked with the environment simulation software to design and plan buildings that are safe, comfortable, healthy, and low(zero) CO2 emission.

