

CIRCULAR BUILDING PRACTICES : A JAPANESE-GERMAN PERSPECTIVE

Tokyo Institute of Technology, Department of Architecture and Building Engineering

RWTH Aachen University, Faculty for Architecture, Chair of Architectural Theory

DWIH Tokyo

**Venue: Tokyo Institute of Technology, Tokyo, Ôokayama Campus,
Room 401 of W5 building
Ookayama 2-12-1, Meguro-ku, Tokyo 152-8550, Japan
Nearest railway station: Ookayama, Tokyu Oimachi line/Meguro line
<https://www.titech.ac.jp/english/0/maps>**

Program

Monday, 18 March, 2024

2 pm: Welcome address and thematic introduction:
Prof. Satoshi Nasu, Dr. Murielle Hladik, Prof. Axel Sowa

2:30 pm: Session 1 - Material Matters

This section will focus on the materiality of construction. How are substances extracted, prepared, mixed and processed into building components? How do substances age, erode and disintegrate? How can they be reused?

Session Chair: Dr. Murielle Hladik, RWTH

- Prof. Kaori Nagai, Nihon University, Tokyo, Material properties, conservation and maintenance
- Dana Saez, RWTH Aachen University, Engineering of wood and mycelia-based matter
- Prof. Kobayashi, Kyoto University, Global relevance of sustainable building practices

4:30 pm: coffee break

5 pm: Keynote-Lecture

Fuminori NOSAKU, Architectural practices of reuse in Japan

6:30 pm Reception at Tsubame Terrace, 2nd floor of W5 building

Tuesday, 19 March, 2024,

10 am: Session 2 - The building transition as a task for sustainable communities.

The building transition can only succeed if consumers participate and the majority opt for sustainable products and processes. Reports from construction practices as well as from markets for reusable materials show possibilities for new forms of social organization.

Session Chair: Prof. Axel Sowa, RWTH

- Prof. Imai, University of Technology, Tokyo
- Prof. Laurens Bekemans, RWTH Aachen University, Alternative constructions and their communities
- Ms. Shiena Hirao, Tokyo Institute of Technology, The Small Earth Group, Kamanuma,

12:30 pm: Lunch break

2:30 pm: Session 3 - Recycling - Building from second hand

The lifespan of buildings is not unlimited. Renovation, conversion and demolition generate construction waste that can only be reduced if it is possible to produce components that can be dismantled and reused. This section will present and discuss the existing range of recycling measures, such as urban mining or the processing of used building components.

Session Chair: Prof. Satoshi Nasu, Tokyo Institute of Technology

- Helga Kuehnhenrich, BBSR, Zukunft Bau Program, Bonn
- Gaspard Geerts, ROTOR Architects, Office for reuse and recycling, Brussels
- Professor Shinya KANEKO, Sapporo City University, Japanese Traditional House Recycling in the cold region.

6 pm: Round table discussion

7 pm: Closing remarks

**Wednesday, 20 March, and Thursday, 21 March:
Site visits of labs and architectural practices in greater Tokyo.**