

ISE FENIX PROJECT

International Urban Planning Workshop

2025 March 4th – 8th (3rd – 9th)

Technical University of Liberec (TUL), Czech Republic
Academy of Fine Arts in Prague (AVU), Czech Republic
Meijo University Nagoya (MUN), Japan

Ise Shrine is the most important Shinto shrine in Japan. According to Shinto tradition, the shrine's main buildings are rebuilt every 20 years according to precise plans and original traditional technology. The current buildings were completed in 2013. The next, the 63rd copy of the shrine is expected to be completed in 2033. The physical construction of the temple takes eight years and will therefore begin in 2025. For this the Yamaguchi Matsuri event will be held on March 2025.

The local community of Ise citizens would like to connect this date with the initiation of the revitalization of the city, especially its public spaces. This participative collaboration is made possible by the local connection to Meijo University Nagoya, with which Technical University of Liberec has regularly collaborated on joint architectural workshops since 2016. The international student urban and scenario planning workshop should not only bring an urban vision and architectural proposals and solutions to public spaces, but also open a discussion over the proposals to this topic across the local community and municipality.

The workshop will be focused on the use of NBS (nature-based solutions) in public space, to solve the increasingly topical problems with UHI (urban heat island),

from which, thanks to climate change, suffer today's urban residents not only in Japanese cities. And will consider the topic of promoting walkability by upgrading the quality of public spaces. This workshop would also be an opportunity to introduce and test with the students the use of the latest method of working on an urban planning project, which is recently being developed as part of the research project at Technical University of Liberec and Academy of Fine Arts in Prague. Specifically, it involves testing the working version of the forthcoming AI software, digital neural network Virtual futurologist A°D°A, which is combining the possibilities of AI (LLM – large language models) and the futurological method of scenario planning with urban structural planning.

From Japan, students of Prof. Makoto Tanida from MUN, then students of Ing Arch. Maciej Lasocki from Warsaw University of Technology, Poland and students related to Arch. Juan Rufino Castillo Molina, Dr. Eng. from UNPHU, Dominican Republic are expected to participate in the workshop, along with representatives of the local community in Ise. On behalf of the Czech side, project initiator and workshop leader Zdeňka Němcová Zedníčková (TUL) and AI project co-researcher Jana Bernartová (AVU) should participate together with four Czech students of Architecture.

WORKSHOP TUTORS

Assoc. Prof. MgA. Zdeňka Němcová Zedníčková, Ph.D.

Faculty of Mechatronics, Informatics and Interdisciplinary Studies, Technical University of Liberec, Czech Republic

MgA. Jana Bernartová, Ph.D.

Academy of Fine Arts in Prague, Czech Republic

Assoc. Prof. Makoto Tanida

Meijo University Nagoya, Japan

Arch. Yukiko Iida

Meijo University Nagoya, Japan

Dr hab. Ing. Arch. Maciej Lasocki

Faculty of Architecture, Warsaw University of Technology, Poland

ONLINE LECTURES AND CONSULTATIONS

Prof. Ing. arch. Monika Mitášová, PhD.

Academy of Fine Arts and Design in Bratislava, Slovakia

Her focus is on theory of architecture, art and design in relation to digital tools.

Arch. Juan Rufino Castillo Molina, Dr. Eng.

Universidad Nacional Pedro Henríquez Ureña (UNPHU) Santo Domingo, Dominican Republic

His focus is on architectural innovation aspects related to cultural roots and on architectural theory and design.

Arch. Carlo Andrea Biraghi, Ph.D.

ABC Department, Politecnico di Milano, Italy

His research topics are related to urban morphology and mathematics.

Currently investigating the issues of cities walkability.

Mgr. Kateřina Sidiropulu Janků, Ph.D. et Ph.D.

Institute for Applied Research on Ageing, Faculty of Engineering and IT, Carinthia

University of Applied Sciences, Austria

She is specialising in ethnographic sociology and PAR. Her recent work includes interdisciplinary research on the development of public open spaces, ageing and health.

RNDr. Dušana Dokupilová, PhD.

Institute for Forecasting, CSPS, Slovak Academy of Sciences, Slovakia

Futurologist dedicated to mathematical modelling and forecasting in economics, energy poverty, health, environment and climate neutrality.

MSc. Marie Pourghasem Omandani

Technical University of Liberec, Czech Republic

PhD candidate and landscape architect with research topic on resilience of the cities in climate change conditions, especially focused on use of NBS (nature-based solution).

Workshop is organised by Gouki Yamamoto and Yukiko Iida

Meijo University Nagoya, Japan

