

Department of Architecture
and Civil Engineering

Key words

Architectural theory, Urban theory, City planning, Regional planning, Regional revitalization, Urban design



Doctor (Engineering) / Professor

Isamu Shimokawa

Education

Nippon Bunri University of Engineering, Department of Architecture
Fukui University Graduate School, Department of Social Systems Master's Program
Fukui University Graduate School, Department of System Design, Doctoral Program
Kyoto University Graduate School, Department of Architecture, Trainee

Professional Background

Yu Architecture Co., Ltd. Kyoto Head Office Design Department
Fukui University of Technology, Department of Architecture, Part-time Lecturer
Fukui University of Technology, Lecturer/Associate Professor/Professor

Consultations, Lectures, and Collaborative Research Themes

General town development, consultation/lecture

e-mail address

shimokawa@fukui-ut.ac.jp



Main research themes and their characteristics

「Analysis of regional characteristics and research on specific development methods」

Whether in the central part of a prefecture, a rural area, or a fishing village, the region has formed a unique “form” through its history. “Forming” a region is how to capture the “form” and redesign it. The current region is exactly a “form” “formed” result. In the field of architecture and cities, “formation” is embodied in the manner of “development”. The current challenges are the hardware development that uses materials to structurally embody, and the software development that embodies communities by connecting people. This challenge is all local. In other words, the decipherment of the region is the beginning of “form” and “formation”, and it is the essence of architecture and urban fields.

This research is a research in which the regional characteristics are deciphered by documents and surveys and redesigned practically. Photo 1 is a study to discover SDGs latent in traditional industries. In this study, we are investigating narcissus agriculture in the Nashigadaira district of Echizen-cho. This area is a traditional daffodils cultivation area, and due to the lack of successors, the daffodil industry is declining and the area is facing the problem of survival. In this research, we aim to replace the value of the region, which leads to such regional promotion measures, with the value of traditional industries. Photo 2 shows a sightseeing event in the Minamirokishiohi district of Ono City. In this study, we recalled the idea of coexistence with nature from the highland environment, and developed a starry sky viewing event using a temporary device (hammock) to reduce the environmental load. Photo 3 is a study to observe CO₂ concentrations in cities, aiming to achieve carbon neutrality at the city level by identifying sources and sinks of CO₂.

At the same time (2020), I have also established the basic plan for redevelopment of Tojinbo together with Sakai City. Through the transition of the system of related laws that came into force during the Taisho era, we discovered the method of nature restoration and the idea of coexistence with nature. This will reveal the “form” after a while. In addition, in the plan of Echizen City, I found the lifestyle of “agricultural” as a regional characteristic and proposed a method of redesigning it as an agricultural area to which new technology was applied. As mentioned above, this research is a practical research through the interpretation of regional characteristics.



Photo.1 SDGs of traditional industry
(Echizen Town)



Photo.2 "Hoshizora Hammock" (Minamirokishiohi, Ono City)



Photo.3 Observation of CO₂ in a city (image)

Major academic publications

“Vincenzo Scamozzi’s theory of architectural production” in Research on architectural production theory, Architectural theory study group edition, Chuoukoron Art Publishing, 2016(ISBN: 978-4-8055-0757-5)

“Issues of urban theory as architectural theory” in Architectural Theory 02 Challenge to Urban Theory, Architectural Research Editorial Committee, 2020(ISSN 2434-9755)