

Architectural Student Education System about “re-use” of Modern Movement Architecture

—Report of the DOCOMOMO International Workshop in Ljubljana—

CIT Nihon Univ. ○Yasuko KAMEI

1. Introduction

DOCOMOMO International is a non-profit organization dedicated to the DOcumentation and COnservation of buildings, sites and neighborhoods of the MOdern MOvement.

Docomomo International's missions are to:

- ・ act as watchdog when important modern movement buildings anywhere are under threat
- ・ exchange ideas relating to conservation technology, history and education
- ・ foster interest in the ideas and heritage of the modern movement
- ・ elicit responsibility towards this recent architectural inheritance.

I have been a member of DOCOMOMO International for ten years and also work for DOCOMOMO Japan as a secretary since 2010. I would say that Japanese people are less conscious of the modern movement architecture of the area in which they live than the Westerners. In the course of Heritage & Design at the Faculty of Architecture and the Built Environment TU Delft, the students spend a lot of time to investigate the value and the structure of an existing architecture and its surrounding environment. It is very important to get to know the right value of the architecture and it helps people to understand what is the architecture mean and be conscious of it.

In 2018, from 24th to 28th of August, I have joined in the DOCOMOMO International Student Workshop in Slovenia that was run by ISC Education and Training. The chair of the ISC E+T is Prof. Wessel de Jonge who is the chair of Heritage & Design at the Faculty of

Architecture and the Built Environment TU Delft. I have been the member of ISC E+T since 2017.

In the beginning of the September 2020, DOCOMOMO Japan has a plan to hold a DOCOMOMO International Student Workshop in Tokyo. Therefore, this paper will report on the outline of the DOCOMOMO International Students Workshop in Slovenia and prepare for the next Student Workshop in Tokyo.

2. Outline of DOCOMOMO International Students Workshop in Slovenia

2-1. Student Workshop Issues

Based on the Eindhoven-Seoul Statement 2014, which include to promote the conservation and (re)use of buildings and sites of the Modern Movement, the theme of the DOCOMOMO International Conference 2018 was “Metamorphosis -the Change for Continuity.”

The theme of the Student Workshop was “Education to Everybody / Structures in Ljubljana” and it was the challenge to change the space for everybody in Ljubljana for education, communication and so forth.

The main objects were the Tone Cufar Primary School and/or the Majda Vrhovnic Primary School designed by Emil Navinšek's (1904-1991). Originally, an elementary school designed a room of a shared space instead of a corridor room and has a structure where independent classrooms line up on both sides. The theme of the Student Workshop is how evaluate such features and to preserve and repair in accordance with reuse and utilization.

モダンムーブメント建築の再生活用における学生教育への展開
—ドコモモ国際ワークショップ2018の報告—

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2-2. Student Workshop Flow

Fig. 1 shows the schedule of student Workshop and Fig. 2 shows the number of hours for each item as a percentage of the total workshop time.

As overall structure for four days, we will conduct research and analysis of surrounding environment and buildings in the first 2 days, and make architectural suggestions during the remaining 2 days.

During the period, six lectures will be held to encourage common understanding of DOCOMOMO International's aims¹⁾ and missions. In addition to the Elementary School tours, there were also extracurricular lessons to learn structure and history of the city of Ljubljana, and buildings and townscapes. The other time is almost the working time for each group and the group lecturers will give advices by observing the progress situation about twice a day. The students use computer graphics, model, sketch and perspective for presentation. More than I thought, there were many hand-drawn presentations compare to computer graphics.

There are two group sessions were held. On the second day, we conducted a joint presentation with the neighboring group and exchange opinions and information about the research and analysis of the architecture and its surroundings. On the fourth day, each groups had a presentations and checked whether the contents are organized well or made it easy for other people to understand.

2-3. Content of Student Workshop Lectures

The first day there were two lectures. One was an explanation about the task and goal of DOCOMOMO Student Workshop by Prof. Wessel de Young, the chair of DOCOMOMO ISC / Education + Training. The other was an explanation about the theme and the object of the Students Workshop by Mr. Mitja Zorc the member of the Slovenia chapter.

On the second day, Prof. Andrea Canziani, the vice chair ISC E + T, had a lecture on the ideas that exploited the historical, architectural, cultural and social values of modern movement architecture and its preservation and revival. The titled of the lecture was "Being and

Becoming of Modern Heritage Time." On the same day, Prof. Young held a lecture " HA Heritage and Architecture" which was about the modern movement architectures in Netherland. On the third day, Prof. Matej Blenkus, who is the chief architect of the University of Slovenia and also an architect, gave a lecture titled "Structuralism vs. Structurality in Slovenian Modernistic Architecture." Yasuko Kamei (author) introduced successful three examples of "re-use" elementary schools in Japan.

2-4. Members and Operation Outline of Student Workshop

The number of participating students is 40 people, who are from eight Slovenia people, six Germany, five Netherlands, five Poland, three Japanese, two Nepal, and one people other from the United States, Greece, Lithuania, Brazil, Turkey, China, Bahrain, Indonesia, Bangladesh Poland and Britain.

The tutors are ten people from Slovenia, four from the Netherlands, two from Portugal, one in each from Italy, Poland and Japan, and nineteen in total.

The working group is divided into 8 groups, and each group has more than two tutors. In consideration of the WS management and the educational effect to the students, one or more Slovenian tutors / students were arranged in each group, and others were organized to become members of different countries as much as possible. Group 5 that Kamei (Japan) was in charge consisted of Prof. Blenkus, Department of Architecture Department, University of Slovenia, one student from Slovenia, one from the Netherlands, one from Germany, one from Nepal and one from Portugal.

2-5 Handout Materials and Facilities

The following documents are provided in PDF and CAD data and paper media with password:

- Exterior photograph
- Aerial photograph (S = 1: 1000)
- Floor plan on each floor (S = 1: 200)
- North-South section (S = 1: 200)
- East-West section (S = 1: 200)

- East elevation view (S = 1: 200)
- South elevation view (S = 1: 200)

As a working space, we were able to use the Majda Vrhovnic elementary school, and it was offered in a way that one classroom was shared by two groups. There was also a comprehensive reception desk was situated at the entrance hall and one classroom was offered as a model making studio for the eight groups.

2-6 Result Presentation

The results of Student Workshop consist of the seven minutes' oral presentation supported by Power Point, and the posters that were exhibited during the 15th International DOCOMOMO conference.

The first prizes were given to Group 1 and Group 6. The Group 1 gave us their architectural proposal telling a story about a boy who goes to the elementary school as a main character. The Group 6 proposed the interventions to keep using the shared section with the goal of increasing the utilization rate of the shared section Met.

The Group 5 that I was in charge were sticking to daylight and ventilation and was striving to improve its elevation, however, it was not easy to solve daylighting and ventilation problems while taking advantage of the features of the elevation.

3. Analysis of student WS's Power Point

The average number of power points is 13.4. As a whole, the number of design proposals based on the plan view was 19, which was the largest number, followed by 16 power points describing the surrounding environment, followed by 14 power points summarizing the final image.

Analyzing the power points of the two groups that won the first prize, the Group 1 uses many perspective drawings and the Group 6 uses Diagrams more to present their result. Fig. 3 shows the number of Power Pints for each item.

4. 16th International DOCOMOMO Conference in Tokyo, in 2020

“Resilient Inheritability: Sharing Values of Global Modernity” will be the theme of the 16th DOCOMOMO International Conference in TOKYO JAPAN, in 2020. The site will be Ueno Culture Zone where National Museum of Western Art designed by Le Corbusier and Tokyo BUNKA KAIKAN designed by Kunio Mayekawa are situated. It would be our pleasure if we could 1) bring the significance of the architecture of the Modern Movement to the attention of the public, the authorities, the professionals and the educational community and 2) explore and develop new ideas for the future of a sustainable built environment based on the past experiences of the Modern Movement.

Reference:

- 1) DOCOMOMO International Website:
<https://www.docomomo.com/>
- 2) 15th International DOCOMOMO Conference Website: <http://docomomo2018.si/>

Note:

- 1) Eindhoven-Seoul Statement 2014

It aims to:

- Bring the significance of the architecture of the Modern Movement to the attention of the public, the authorities, the professionals and the educational community.
- Identify and promote the surveying of the works of the Modern Movement.
- Promote the conservation and (re)use of buildings and sites of the Modern Movement.
- Oppose destruction and disfigurement of significant works.
- Foster and disseminate the development of appropriate techniques and methods of conservation and adaptive (re)use.
- Attract funding for documentation conservation and (re)use
- Explore and develop new ideas for the future of a sustainable built environment based on the past experiences of the Modern Movement.

V. TIME SCHEDULE	Schedule	Real Schedule
24.08.2018, Friday	1	1
	2	2
	3	3
8:00 - 9:00 Registration at the workshop venue (Majda Vrhovnik Primary School)	4	4
9:00 - 9:30 Introduction lecture 1: Wessel de Jonge	5	5
9:30 - 9:45 Introduction lecture 2: Nataša Kosej	6	6
9:45 - 10:15 Lecture Corridor- free schools by Emil Navinšek; Mitja Zorc	7	7
10:15 - 10:45 Workshop details; forming teams and groups, meet and greet	8	8
10:45 - 13:00 Site Visit	9	9
10:45 - 11:45 Majda Vrhovnik Primary School	10	10
12:00 - 13:00 Tone Čufar Primary School		11
13:00 - 15:00 Lunch Break		0
15:00 - 15:30 Short presentation of 'the homework', 2 minutes per poster within team	1	1
15:30 - 18:00 Working time: research and analysis	2	2
	3	3
	4	4
	5	5
	6	6
	7	7
	8	8
	9	9
	10	10
25.08.2018, Saturday		
9:00 - 12:00 Working time: research and analysis, preparing draft presentations	1	1
12:00 - 13:00 Research and analysis draft presentations	2	2
13:00 - 15:00 Lunch break	3	3
15:00 - 18:00 Working time: design scenario's regarding site-program-object, teams split up to follow different design strategies: 1 following the lines of Structuralism and 1 with a more free interpretation	4	4
	5	5
	6	6
	7	7
	8	8
	9	9
	10	10
18:30 - 20:00 Evening lectures	1	1
Lecture 03: Wessel de Jonge	11	11
Lecture 04: Andrea Canziani	2	2
20:00 < Working time (optional)	3	3
	4	4
	5	5
	6	6
	7	7
	8	8
	9	9
	10	10
	11	11
	12	12
26.08.2018, Sunday		
9:00 - 12:00 Working time: research and analysis, preparing final presentations of conclusions	1	1
12:00 - 13:00 Research and analysis presentations	2	2
13:00 - 15:00 Lunch break	3	3
15:00 - 16:00 Site visit Ferantov vrt	4	4
16:00 - 18:00 Working time: design regarding object-spatial layout- facade-materials- details	5	5
	6	6
	7	7
	8	8
	9	9
	10	10
18:30 - 20:00 Evening lectures	11	11
Lecture 05: Matej Blenkuš	1	1
Lecture 06: Yasuko Kamei	2	2
20:00 < Working time (optional)	3	3
	4	4
	5	5
	6	6
	7	7
	8	8
	9	9
	10	10
	11	11
	12	12
27.08.2018, Monday		
9:00 - 13:00 Working time: design facade- materials-details- finishes-colour	1	1
13:00 - 15:00 Lunch break	2	2
15:00 - 18:00 Working time: preparing presentation	3	3
18:30 - 20:00 Design project draft presentation and evaluation	4	4
20:00 < Working time (optional)	5	5
	6	6
	7	7
	8	8
	9	9
	10	10
	11	11
	12	12
28.08.2018, Tuesday		
9:00 - 12:00 Working time: preparing presentation (poster and pdf)	1	1
12:00 - 13:00 Printing posters at official printshop	2	2
13:00 - 15:00 Lunch break	3	3
15:00 - 16:45 Final presentation, 7 min presentation, 5 min questioning per team	4	4
16:45 - 17:15 Workshop conclusion	5	5
17:15 - 18:00 Workshop exhibition preparations in Cankarjev Dom	6	6
18:00 - 18:30 Workshop presentation opening event in Cankarjev Dom (2 selected teams)	7	7
	8	8
	9	9
	10	10

Fig.1 The schedule of DOCOMOMO International Student Workshop in Ljubljana

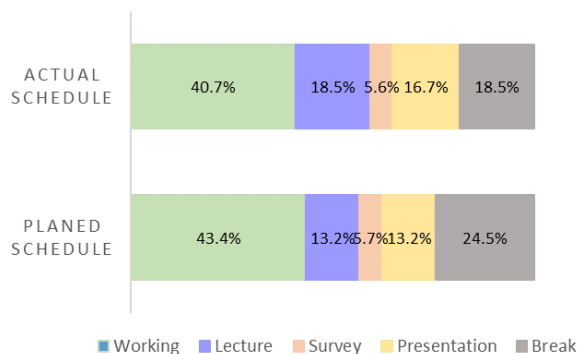


Fig.2 The number of hours for each item as a percentage of the total workshop time

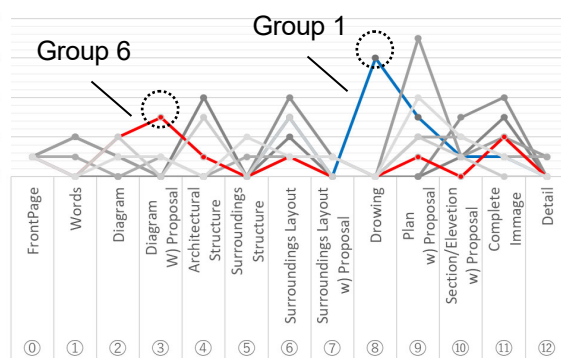
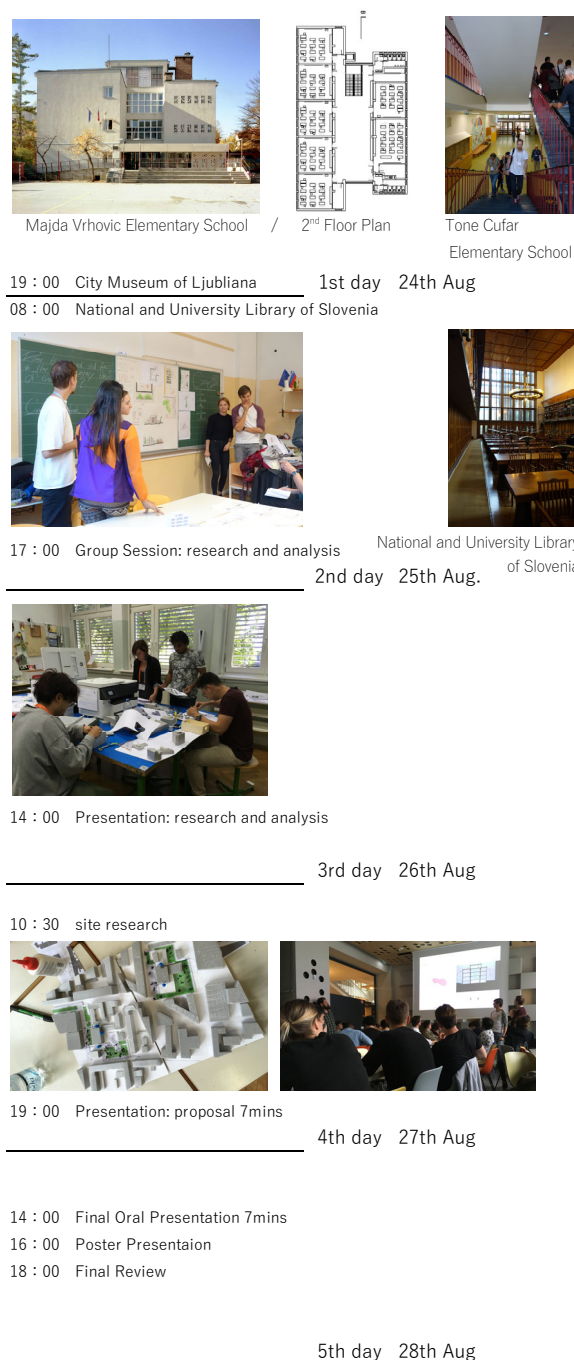


Fig.3 The number of Power Pints for each item