

國立交通大學  
建築研究所

碩士論文

界繫

**pre-POSITION**



研究生：廖陳良

指導教授：劉育東

中華民國 九十四年 七月

# 界繫

**pre-POSITION**

研究生：廖陳良

Student : Liao,Chen-Liang

指導教授：劉育東

Advisor : Liu,Yu Tung

國立交通大學  
建築研究所  
碩士論文

A Thesis

Submitted to Graduate Institute of Architecture

College of Humanities and Social Sciences

National Chiao Tung University

in partial Fulfillment of the Requirements

for the Design of

Master

in

Architecture

July 2005

Hsinchu, Taiwan, Republic of China

中華民國 九十四年 七月

# 界繫

## 摘要

關於 pre-POSITION,

preposition是介系詞的意思,這個詞本身也具有組織和辨識的意義,pre跟postion拆開,前者有前置之意,後者為位置之實。

在一組相對的基本單元中,將兩個原本也許無關的元素,透過所有經驗知識,規則的建立,以及觀者自身的認知,聯繫起了前後的關係。在所有被探討而形成的空間中,所有建築元素之間的關聯,無一沒有這種組織和辨識的意義。

”界繫”一詞在此,除了說明一種組織辨識關係之外,同時也說明了相互異質的空間,在某種狀態之間的關係,在界線之外的關聯。如何在各種相互異質的空間中,藉由某些元素的串連,創造出一組新的空間關聯性,是本文所要討論的議題。

第一章--亞洲城市走廊 上海 城市舞台,討論的設計議題,著重於浦東與浦西,如何藉由打破以”國家”為區隔的觀念,而轉以”亞洲文化基因”為串聯空間的要素,作為整體世博會員區規劃的重要概念,是為大尺度都市開發規劃之”界繫”。

第二章--後設空間 城市中的低空飛行,討論的設計議題,著重於都市各種原本毫無相關的運作系統,尋找其背後微妙相互牽連的關係,並藉由重新組構”關係”的手段,創造一套新的都市運行概念,是為都市內在關聯之”界繫”。

第三章--重歸自然 新空間物種,討論的設計議題,著重於重新思考建築本身存在的需要性,以及時間性,在最細微的生命體裡,找到共通於生命,空間,與時間的自然法則,是為生命過渡空間之”界繫”。

第四章--人造光合細胞 屋頂能源中心,討論的設計議題,著重於現存的都市景觀問題,如何能以反轉的手法,將原本都市頂層的表皮,做一個新型態的轉換,是為都市空間與市民生存的重新”界繫”。

第五章--海洋台灣,討論的設計議題,著重於討論環繞台灣的海岸線,在台灣獨特的移民背景和心理狀態,於海岸空間中自然型塑出”阻隔線上的有機跨越”這樣獨特的空間特質,並藉由幾個影響台灣海岸線使用的關鍵,描繪出一組新的輪廓關係,是為無名之處到有名之處過程之”界繫”。

# pre-POSITION

## **ABSTRACT**

ABOUT pre-POSITION,

“Preposition” is a word used especially before a noun or pronoun to show place, position, time method, etc. In addition, this word also has the meaning of organization and identification. If we divide it into “pre” and “position”, the former has the meaning of before and the later has the meaning of location.

In a set of relative units, two elements, which were irrelevant to each other, are connected by the experience, the knowledge, the rule from the observer. In all of the space, built by discussion, there are no correlation between architecture elements without the meaning of organization and identification. In this portfolio, the term, preposition, not only explains the relationship between these two meanings, but also discusses the correlation between heterologous space in a distinctive situation. The interest of this portfolio is to discuss how to create a new correlation between various heterologous space by connecting different elements.

### **Chapter One -- Asia City Corridor-Shanghai, Scenery-World EXPO 2010**

The issue to be discussed is focused on how did Pu-Dong and Pu-Xi take the concept of “Asia culture gene” to be the element to connect the space and break the concept of national divisions. This is a “preposition” of large scale urban development and also an important idea for the planning of the World Exposition regions.

### **Chapter Two – Metaspaces, Sky Stadium**

This chapter is focus on various irrelative operation systems in a city and try to find out their relationships behind the scenes. Moreover, we will show the “preposition” of the internal correlation in a city by re-organizing the relationships to create a new operation concept of a city.

### **Chapter Three -- reTURN to the nature, Autotrophily space**

The concept of this section is to rethink the demand and the timeliness for the existence of architecture. The “preposition” of life-pass space is to find the general laws of nature for the lives, space, and time in a tiny life.

### **Chapter Four -- Artificial Green Cell, Roof Solar Center**

In this section, we will focus on the existing problems about urban landscape. The new “preposition” of urban space and residents of a city is how to transfer a new outer skin for a city by a reverse way.

### **Chapter Five -- Ocean of Taiwan, From NOWhere to NOWhere**

Finally, we will focus on the discussion about the sea shore of Taiwan. The “organic stride over the cut-off line”, a distinctive characteristic of space, was built naturally in a typical background and mentality of immigration. Then, a new outline has been drawn by some key points which influenced the usage of the sea shore of Taiwan. This process is the “preposition” from NOWhere to NOWhere.

## 誌謝

研究所短短兩年時間,但是,要感謝的人真的很多...包括支持我的家人,教導過我的師長們,幫助過我的學長姐,一起成長學習的好同學,以及讓我照顧過的學弟妹。

在此,我並不做形式上一一列舉的感謝,因為,你們之中的每一個人,都是讓我這兩年來的經歷裡,缺一不可的重要成員,我很珍惜這兩年來,所有在生活間,學校裡,以及在國際間的一切體驗。

從大學跳到研究所的這個過程裡,對我來說,衝擊是很大的!!!

兩年來,在這個環境裡,雖然沒機會用到安藤設計的新系館,不過,我得到的東西,比我原本預期的還多,而且多很多...雖然在簡單樸實的地下室工作,不過,在這讓我明顯感覺到~我是身處在國際平台的高度,接觸國際上的人物,接受國際上的刺激,接收國際上的能源。讓我這兩年來,整個世界和心境變的更廣,而且不設限,同時,我感受到一群熱血沸騰的師長和同學,對抗環境的堅持和做設計時的快樂,這對我個人的影響是很大的。

我感謝,這兩年來大家給我的一切,並且珍惜.....



Liang 2005 / 05 / 27

畢業 民國 年度	1 cm
	2.5 cm
論文 題目	
	
校院 所名	3 cm
	1 cm
著者 姓名	2 cm
	3 cm

93

碩士論文

界  
繫

pre-

P  
O  
S  
I  
T  
I  
O  
N

交通大學

建築研究所

廖陳良

93

碩士論文

界  
繫

pre-

P  
O  
S  
I  
T  
I  
O  
N

交通大學

建築研究所

廖陳良

# 目次

- 000 中文提要  
英文提要  
謝誌  
目次
- 001 亞洲城市走廊 上海\_城市舞台  
Asia City Corridor\_Shang Hai  
Scenery\_World EXPO 2010
- 018 後設空間 城市中的低空飛行  
Metaspaces\_Sky Stadium
- 037 重歸自然 新空間物種  
遠東國際數位建築獎----- [個人入圍]  
reTURN to the nature\_autotrophily space  
FEIDAD 2004
- 061 人造光合細胞 屋頂能源中心  
金翌獎太陽能光電應用建築設計----- [團隊優選]  
Artificial Green Cell\_Roof Solar Center
- 081 海洋台灣  
鹿特丹國際建築雙年展----- [團隊參展]  
Ocean of Taiwan\_From Nowhere to Nowhere  
IABR 2005





---

# PROJECT 01

亞洲城市走廊 上海城市舞台  
Asia City Corridor  
Scenery\_World EXPO 2010 Shang Hai



## Asia City Corridor Scenery\_World EXPO 2010 Shang Hai

亞洲城市走廊 上海\_城市舞台

討論的設計議題,著重於浦東與浦西,如何藉由打破以”國家”為區隔的觀念,而轉以”亞洲文化基因”為串聯空間的要素,作為整體世博會員區規劃的重要概念,是為大尺度都市開發規劃之”界繫”。

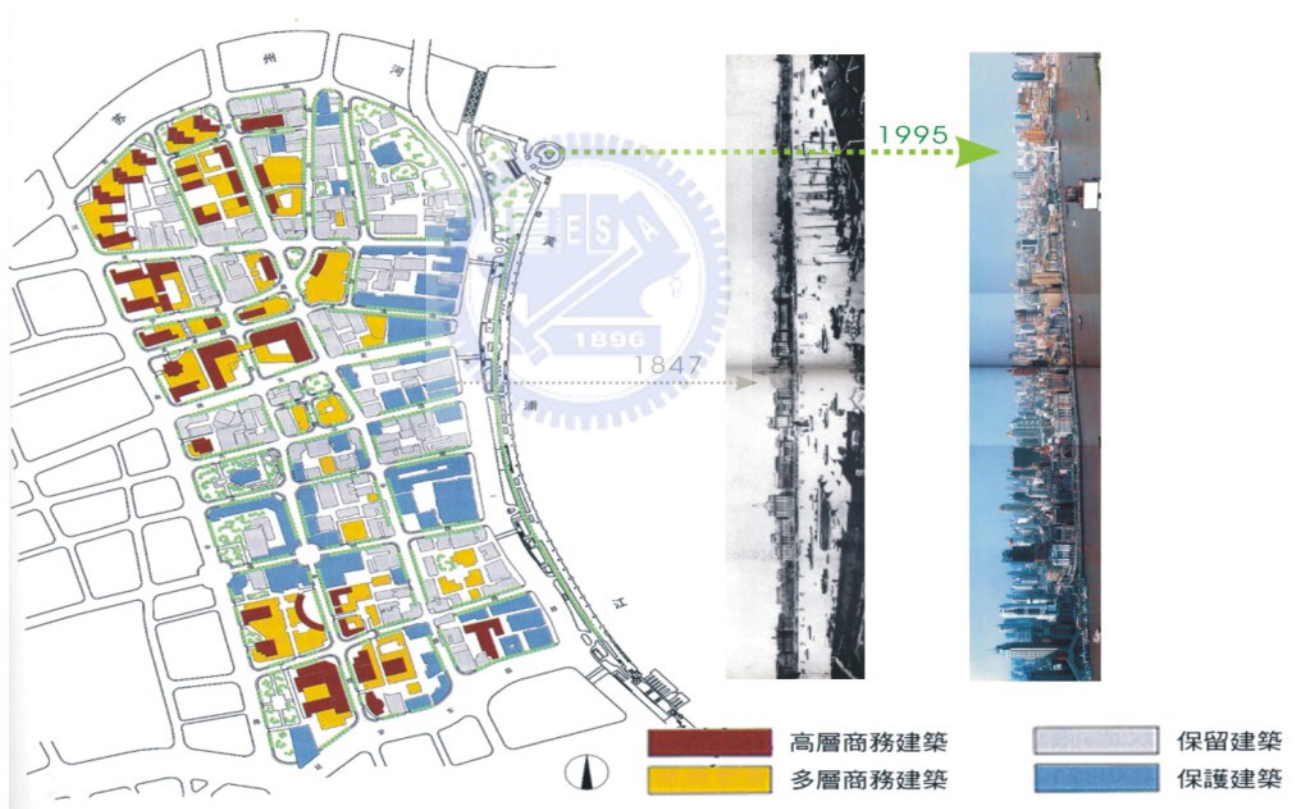


# 1. International city

the bund

19<sup>th</sup> '40 imperialism

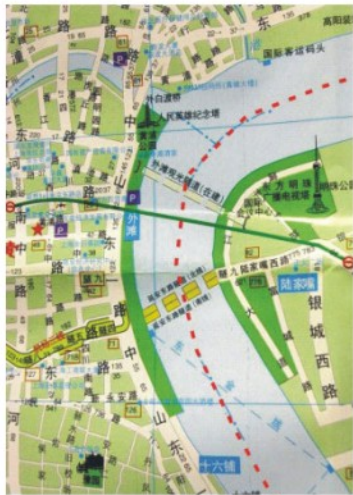
20<sup>th</sup> '90 globalism



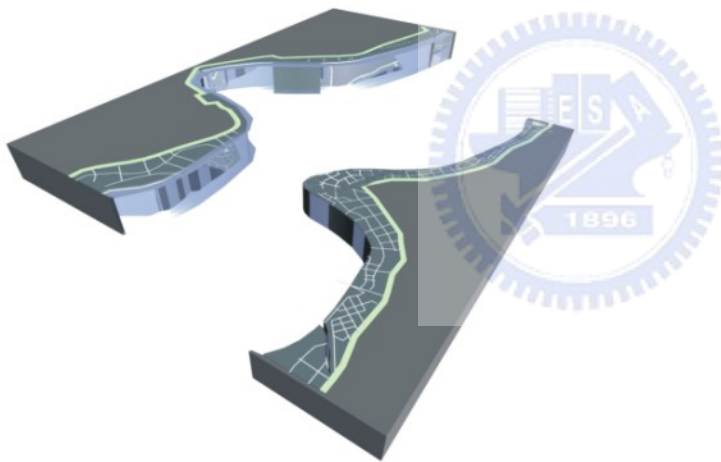


## 2. Dissection

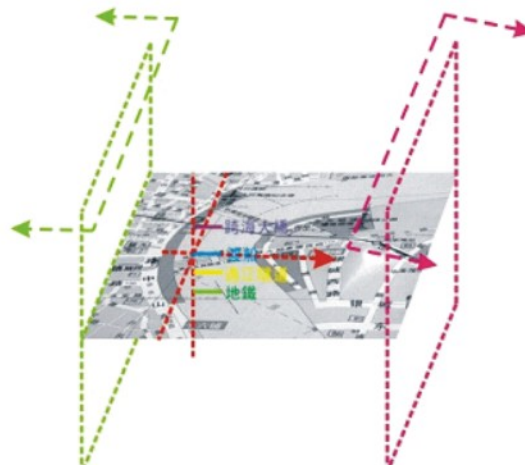
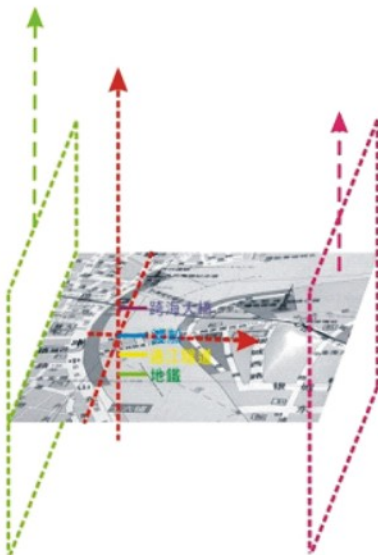
the river



east / west  
old / new



**Difference**  
--->history  
--->space  
--->development



--->2 side  
--->elevation  
----->>**scenery**

### 3.Scenery

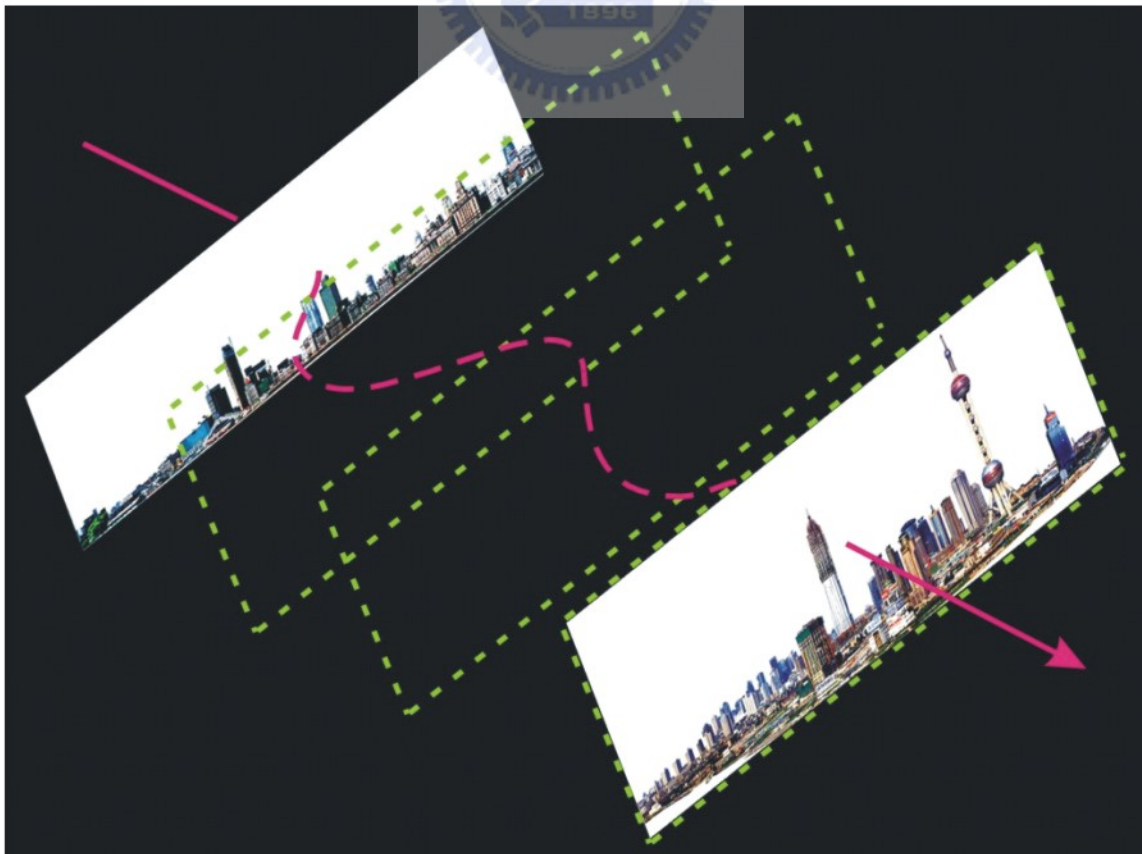
2d vision --->> city's countenance



**Compression**  
> history  
> space  
> development

### 4.Vision

urban experience



**Between 2 sceneries**  
Scenery(2d)  
>>extend urban reading (3d)

## 5. Visual

visual motion

urban-developing

### Impact event

Highway/mall/scrapper?

>>Fragmentary / malposed





## 6.Speed

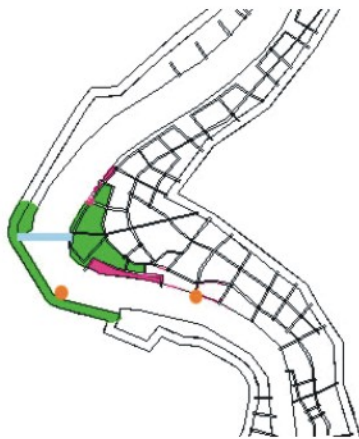
urban scale / motion speed



**XL / high speed**  
>>Infrastructure

**M / mid speed**  
>>buildings

**S / low speed**  
>>passengers



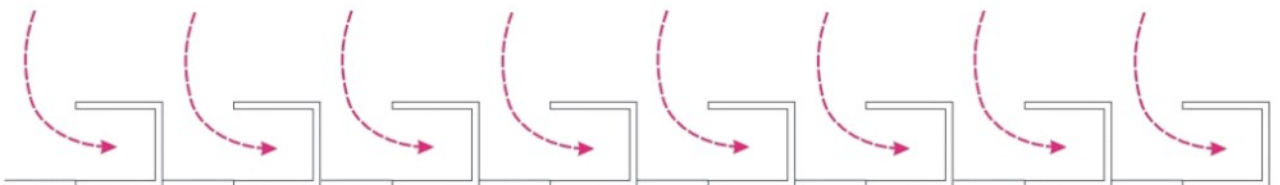
**high speed**>>infrastructure  
tunnel/dock/flyover  
**mid speed**>>buildings  
billboard/signboard/elevation  
**low speed**>>passengers  
telephone kiosk/bus stop/temporary stop

## 7. Installation

old SH + new SH



temporary stop

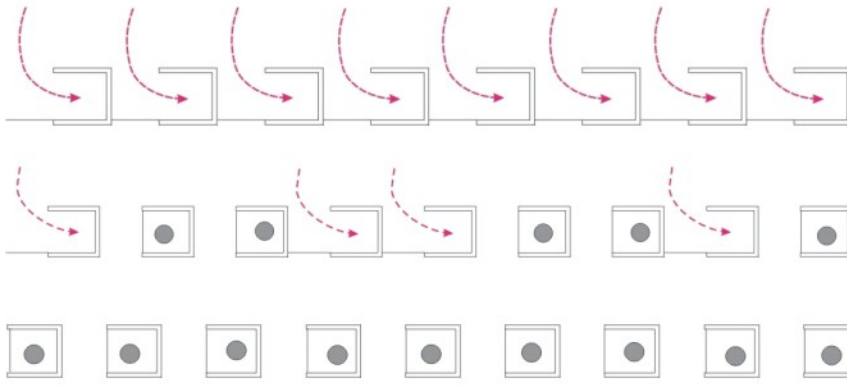


telephone kiosk  
>unit  
>a range  
>>continuity elevation

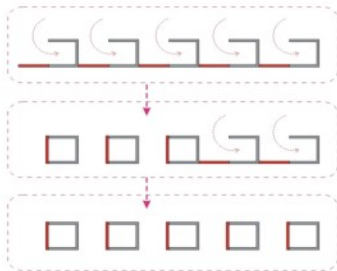


## 8. Fragment

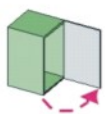
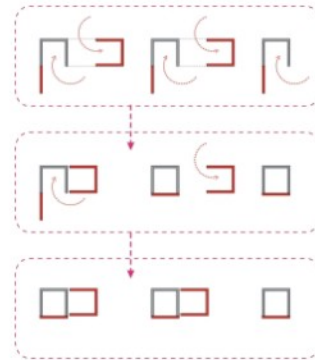
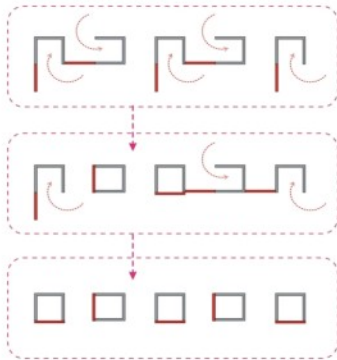
continuity & discontinuity



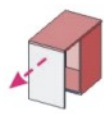
>spacial open & close  
>>1=1+1+1+1+1+.....



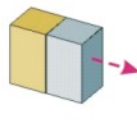
open & close  
>Space changed  
>>different  
facial expression



[unit a]--rotate

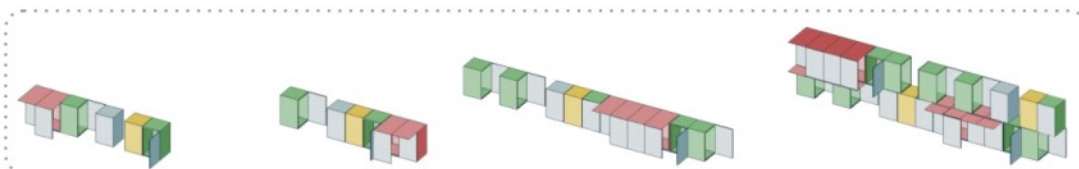
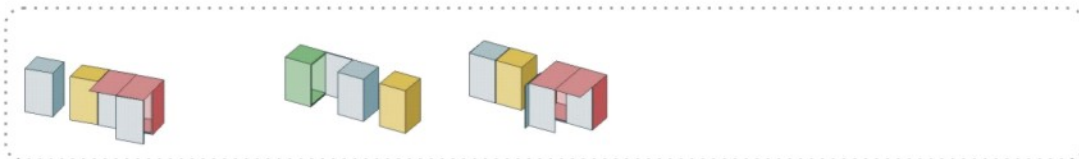
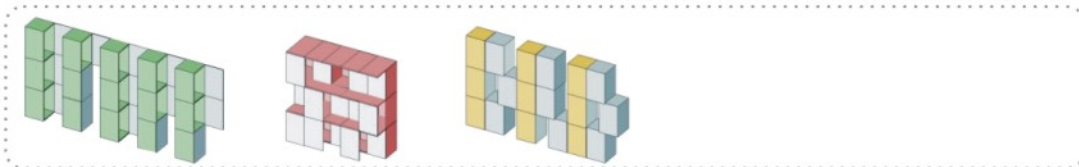


[unit b]--pull



[unit c]--translatory

Unit & whole  
> people behavior / urban events  
>>scenery recombine

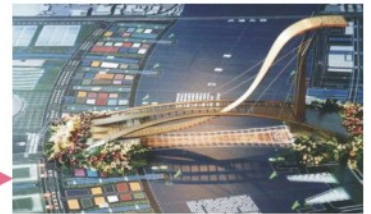




**8. Renew**  
competitive force



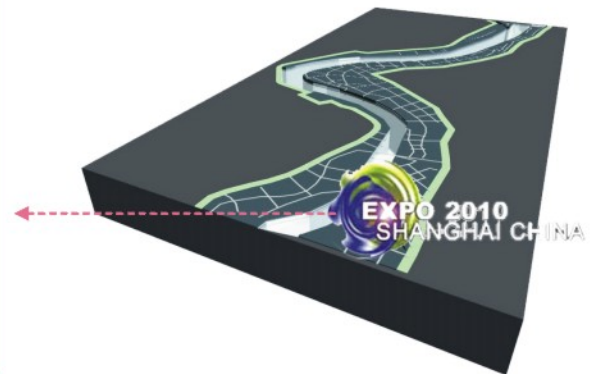
Value  
Past > transportation, industry  
Now > landscape, leisure, history



Expo 2010



river / ecological / nature



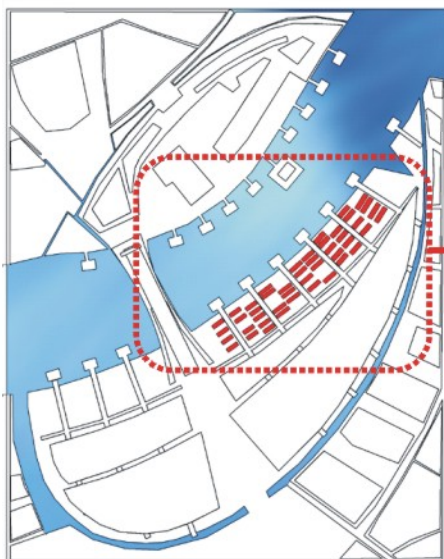
**9.Expo 2010**  
competitive force



canal  
flower bridge  
virtual greenscreen



East Asia pavilion



「二十一世紀時代，  
還以國家館的區隔來探討建築是很可笑的事  
，我認為文化才是建築的生命之源

2002,磯崎新



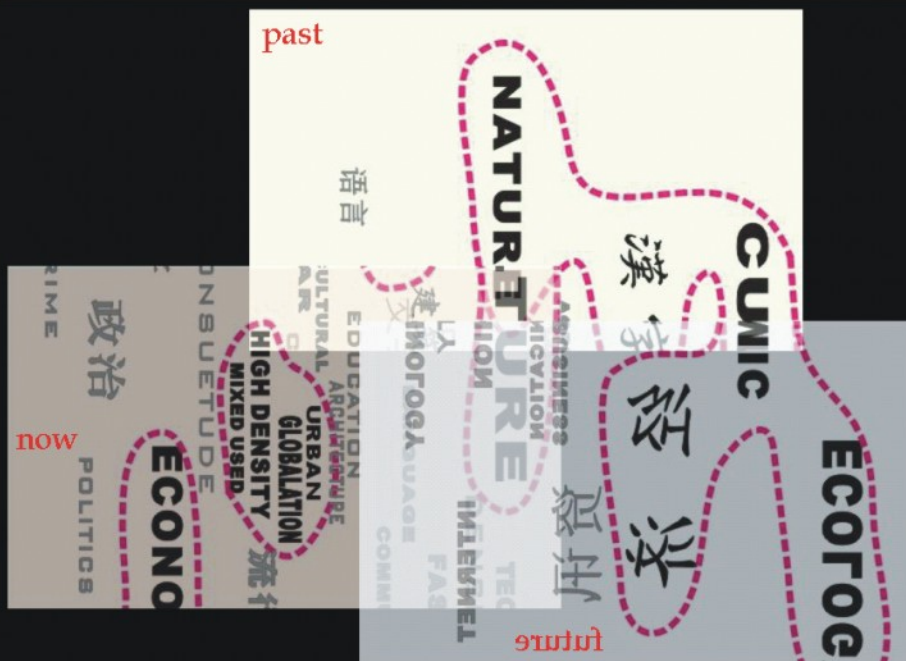
9. Expo 2010  
East Asia pavilion



continuity & discontinuity  
Asia characteristics

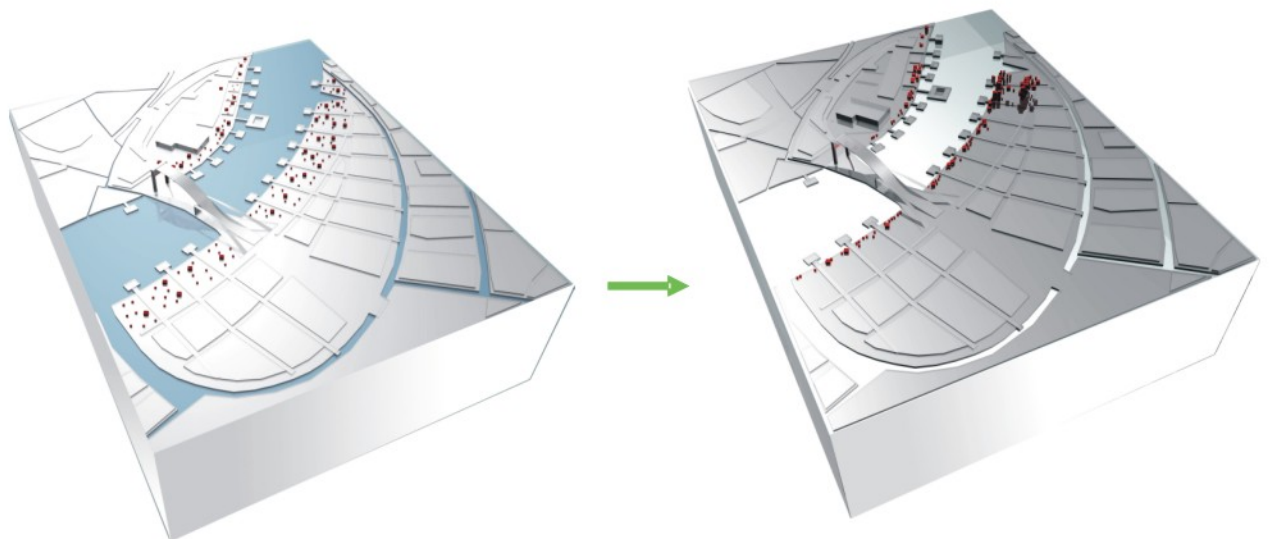
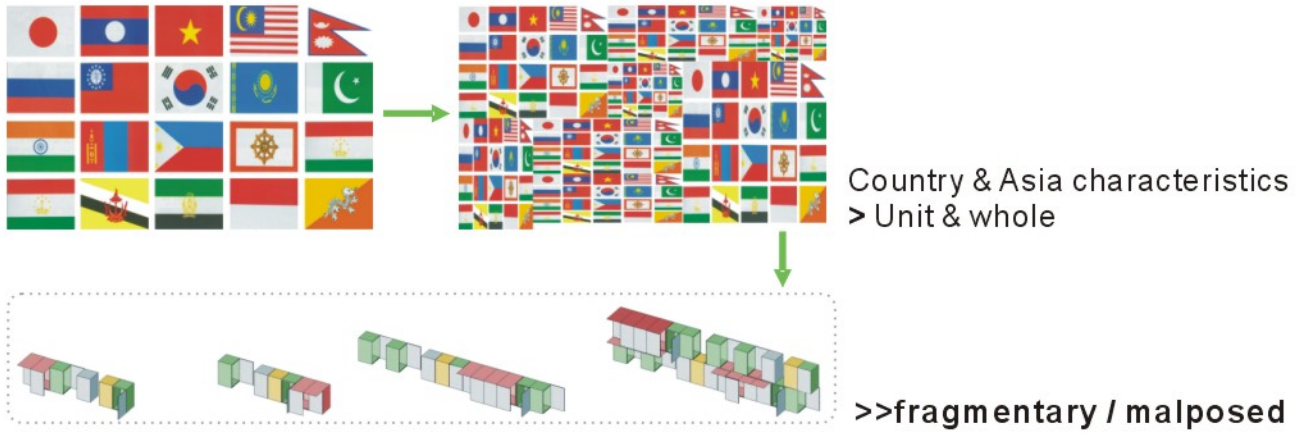


Time line  
> past, now, future  
>> 3 scenarios



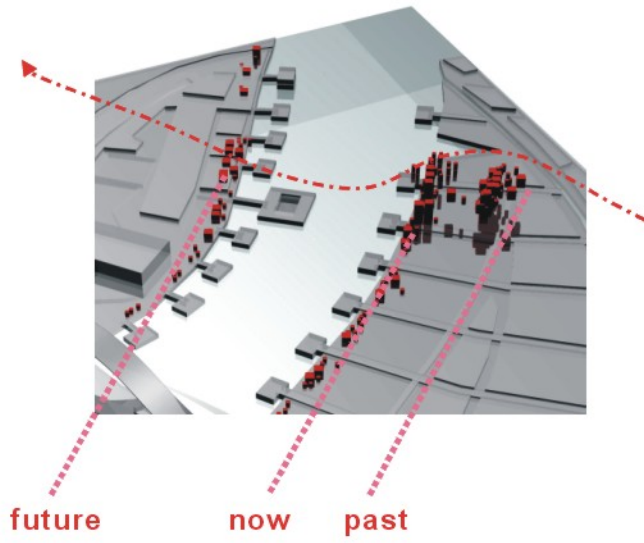
Between sceneries  
Time line-----continuity----- (4d)  
Relationship-discontinuity---- (3d)  
>> Scenery---Compression-- (2d)

**9. Expo 2010**  
East Asia pavilion

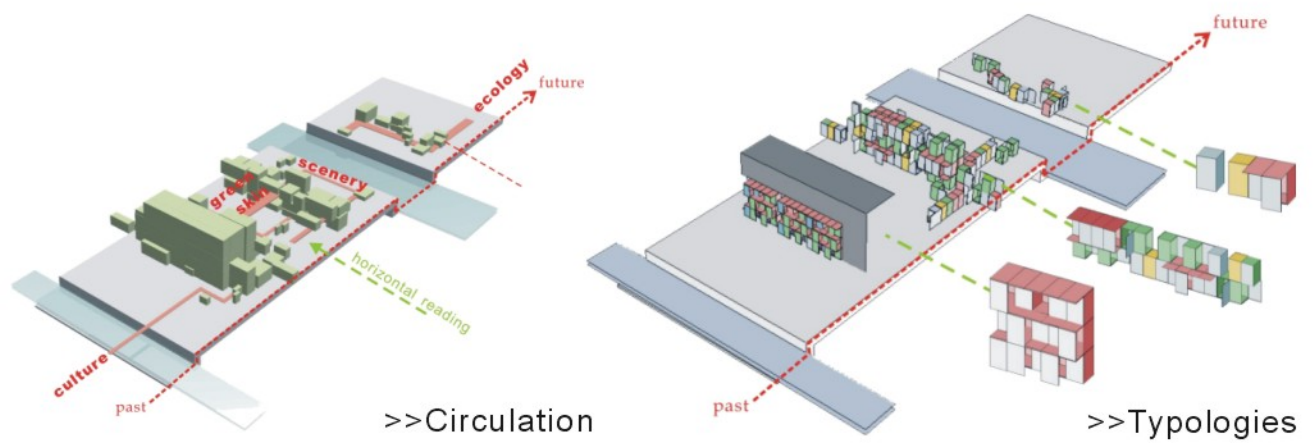
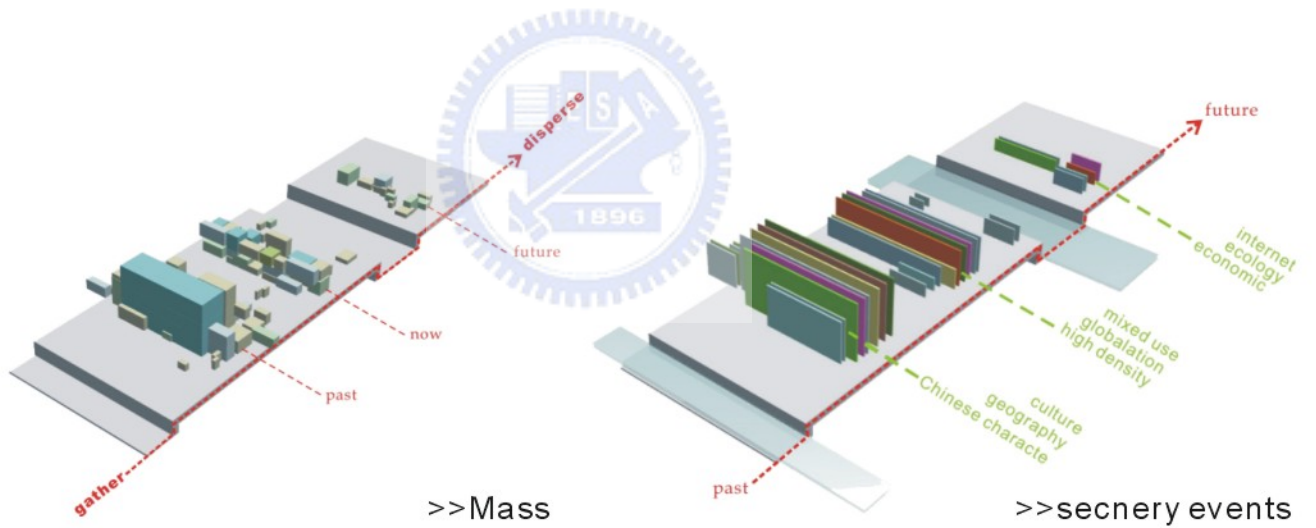


>>Re-collection

**9.Expo 2010**  
East Asia pavilion



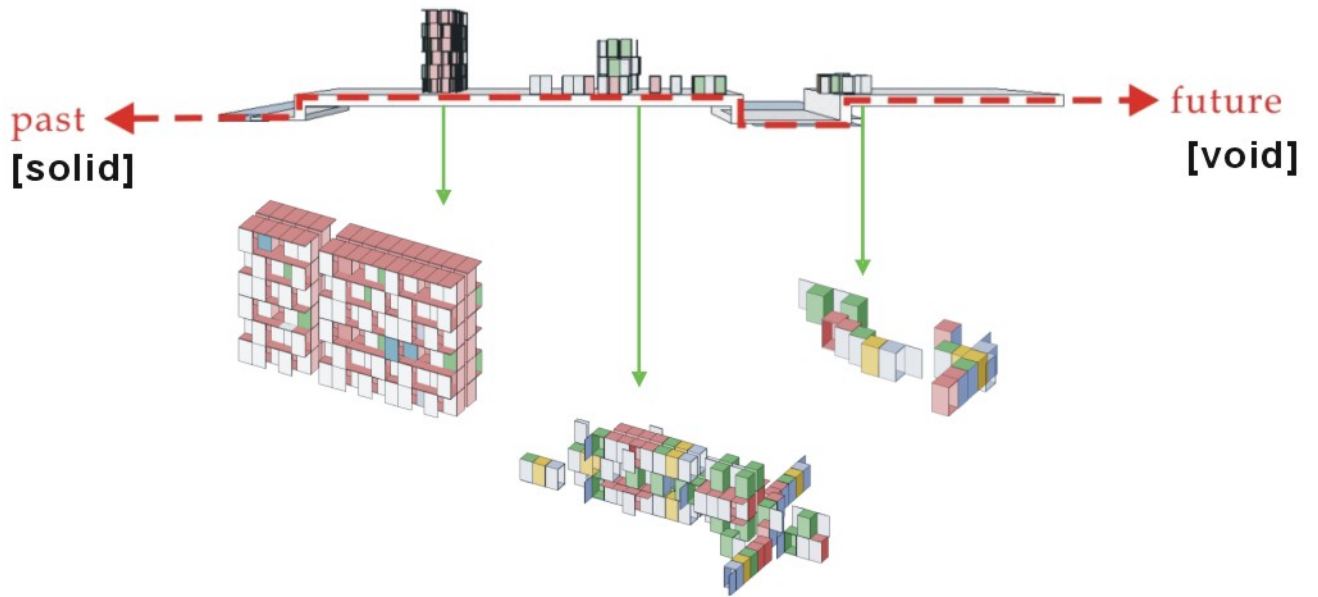
>>3 scenearies



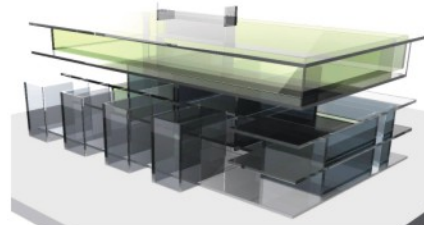


**9. Expo 2010**  
East Asia pavilion

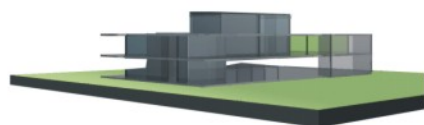
>>Secnery



Exhibition  
Repeat space  
> path through



Asia phenomenon  
Compose space  
> Variety



Ecology  
Simple unit  
> disperse

