KMOU MEMORIAL HALL

한국해양대학교 70주년 기념관 계획 설계

KMOU Memorial Hall • AHN, Woonghee  Korea Maritime and Ocean University, Korea
2015 BUGAIK International Architecture Exhibition, Busan

MERCJ

MERCJ • MOON, Jungpil Tongmyong University, Korea
THE FACE OF RECYCLING

Michael Budig
Singapore University of Technology and Design, Singapore

Metal Recycling Company Grassmayr

This Grassmayr metal recycling facility is located in a dense and compact urban area in the city of Innsbruck, Austria. High-weighted buildings are strictly adjacent to the industrial and residential areas nearby, making the mitigation of sound emissions one of the primary challenges. The main activities of the company are concentrated on the separation of metal waste, which is transported by large trucks to the recycling site, leading to metal exchanges. Due to the shortage of materials like copper and brass, and the high recirculatability of materials like aluminum and high grade steel, this segment within the recycling industry has become increasingly profitable.

This metal recycling facility is specialized on small enterprises, entreprenuers and private consumers, which results in high traffic on the site during peak hours. This leads to a layout and spatial configuration resembling a drive through business. Overall attention was paid to smooth transitions between the main offices and the body shop. The building is divided into three main sections: the entrance hall, the administration and the main hall. Various small business administrations and material handling take place on the site, an overall goal that had to be achieved for activities during the day months. The building was placed as far away from the site boundaries as possible, and the top edge is folded backwards to minimize noise.

In general the building section is T-shaped with multiple levels to further solve acoustical challenges and separate utility activities from the management and office spaces. The specific geometry prevents the main areas from being observed from the outside. The rear section of the building additionally accommodates a large surface area for the absorption of the sound emissions.

Without increasing the combined building volume, due to the wing shaped construction of the building skin, the building possesses a more effective structural height, allowing wide spans with a minimum amount of beams and columns.

The dominant metal construction is primarily supported by two deep black solid volumes. The building material is either reduced to spherical structural steel and expanded metal mesh. This system solves noise conduction and absorbs the structural noise. The steel mesh on the roof is reinforced with concrete volumes that are covered in sheet metal. The metal mesh is beneficial for additional acoustical absorption and lightly contrasts the selective metal surfaces above.
**Design Concept**

Very few museums offer added value in terms of their attractiveness to local populations, they do not look inviting and are not easily accessible. There is no real communication between the visitors and the locals and apart from the outer shell there is no further identification with the city.

This concept is different: the paths through the new building invite you to explore numerous public spaces. In addition to interesting routes through the museum, the visitors can enjoy some of the treasures in the "POCHES", a Vienna-room, a children's museum, event facilities, an art shop, terraces with an exceptional view of the city center, places for coffee-breaks, restaurants etc.

**Materials and static concept**

The construction is intended as a lightweight (frum) steel construction. The POCHES in the basement take on the load distribution of the upper cold-formed floors.

The building envelope is planned as intelligent facade panels with integrated transparent insulation.
Performance-based Pavilion Design
A dialogue between environmental and structural performance

This project investigates the design process of a performance-based pavilion concept towards construction phases, by challenging conventional form and fabrication techniques. The proposed pavilion is considered as a temporary structure, located in Antalya, Turkey. A perforated structure with a parametrically defined folding, are designed to serve as an installation until a shading element additional feature. The pavilion geometry, performance assessments and proposed fabrication schemes are described. The method integrates form, performance, material and fabrication constraints and exposes how environmental and structural performance, including Solar Access Analysis and Static Structural Analysis, inform the design project.

Asst. Prof. Sevil Yazici (Ph.D)
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Dr. Sevil Yazici investigates possibilities for reimagining the built environment through the use of technology. Her research interests are computational design, material systems, digital fabrication, performance assessments and optimization processes. She received her MSc Degree (2003) from Istanbul Technical University (ITU), MSc Degree (2006) from the London Architectural Association (LAA), and PhD Degree (2011) from ITU by receiving the best PhD Thesis Award of the Year. As the co-founder of the firm Zed, she co-founded the BuildIT Spatial Design Laboratory in the ITU. She is a senior designer in architectural practices, including van Gover, Arup & Partners Ltd and Zaha Hadid Architects (Zaha Hadid London). She has been involved in several projects at Zaha for about four years in conceptual design phases, including Zaha Hadid Architects' London Singapore King Abdullah V I centre and Culture House, Imperial War Museum, Biba, Zaha Hadid Architects' Shanghai and London. Her work has received awards and been published internationally. Besides, she has taught and lectured at various national and international institutions.
PIN WHEEL HOUSE

Pinwheel House  •  CHO, Hyeongkyu  Changwon National University, Korea
Private House in the Outskirts of Yong-In City

Kang, Yun-Sik
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Basement Floor Plan

First Floor Plan

Second Floor Plan

Perspective Views

Southern Elevation
Northern Elevation
Western Elevation
Eastern Elevation

Vertical Section
The project envision a new form of urbanity dependent on the cohabitation of opposed the city and the forest. This opposition unfolds, on one hand, into a range of inhabitable spaces separated from the urban and domestic to those spaces large enough to be considered urban infrastructure and, on the other hand, into the swarming currents of flowing greenery that define the morphology of the proposed site plan.

The spaces of the apartments exposed to highly varied spatial sequences interconnected the entire complex. The volumetric arrangement of sequences of passages, stairs, semi-public moat terraces and public courtyards define an urban fabric that would connectively cover the entire site, except for the intrusion of the adjacent mixed use park to the east which, crossing the highway, cuts through these systems with intimate currents of thick foliage surrounding shade and cool through the proposed urban fabric.

In the inversion of the traditional relation between built environment and natural landscape, the “forest” becomes the ideal vehicle of movement through the different quarters, in this way the residents can inhabit a complete environment of light and shade falling down on to their own vicinity and tailored for serving the large currents in the park and in the city, without distribution or segregation.

2. "WALKPATH" EFFECT

At the conceptual “cut” of the urban fabric, the façades thus exposed to the glare of these fluid interstitial parks are defined as a measure wall to maximize the feeling of living by the park, shading.

The large façades create a forestumerator effect for those forests capturing the shadows of trees and projecting them into the spaces of the home.

3. VERTICAL ASSORMENT OF TOWER SHIPS

The slender tall towers, associated with each one of the residential islands, play the role of markers of identity and orientation throughout the complex.
Sky Building • Shinsaku Munemoto  Ritsumeikan University, Japan
The Draughtsman and the Delineator

The project examines the architectural heritage of the ancient Hanseatic Merchant Houses and the practice of drawing in its contexts and design.

Looking through a critical lens, the desire and availability of the buildings to be legible in their historical context, the project exploits the concept of the 'delineator' as a bridge between the historic and the contemporary. A series of diagrammatic representations explore the conceptual idea of the concept of the 'delineator' to be translated into an architectural proposal.

The four drawings show the history of the street of the merchant houses, revealing the different layers of the city and the different roles of the buildings. The delineator is a critical tool in understanding the history and the process of urban development. The drawings show the process of drawing and the process of designing, revealing the role of the delineator in the design process.

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www.draughtsmen.com
www.delineator.com

The Draughtsman and the Delineator • Luke Pearson University College London, UK
The New National Gallery and Ludwig Museum, Budapest

Located at the edge of City Park’s historic site, between the city and park, the building is uniquely situated insofar it hosts the complexities of two existing museums; namely, the New National Gallery and the Ludwig Museum.

This project endeavours to rejuvenate the park, while still preserving the integrity of its deep, historical significance.
The Rectangular Band
Platform(s): City as Global and Local Agglomeration of Contact Communities

Urban Issue: Urbanized Rectangular Band

Implanting New Urban Tissues

Understanding the current social and economic conditions of the area surrounding Jeonju Sports Complex is the key to designing new urban spaces. By identifying the key elements of the existing urban fabric, we can design new urban spaces that are both functional and aesthetically pleasing. The new urban tissues will be designed to complement the existing urban fabric and create a seamless transition between old and new.

Architecture Issue: Collective structure of Korean Traditional palace

Collective way of Colonisation as an Adjustable System

The traditional Korean palaces were built as a collective structure, where the colonisation of the palace was adjustable. This system allowed the palace to adapt to changing needs and circumstances. The new urban tissues will be designed to have a similar collective structure, allowing for flexibility and adaptability.

Architectural Typologies Expanding to the Waterfront

Architectural Typologies Expanding to the Waterfront

The Rectangular Band as an Open perimeter

The rectangular band is designed to connect the inner city blocks to the new Jeonju Sports Complex. As the edge of the site is defined by the rectangular band, the open space it creates will serve as a connecting medium that integrates the existing pedestrian and vehicular systems. The rectangular band will also be designed to accommodate various levels of internal and external activities, promoting a dynamic and engaging public space.

Program Issue: Contact Community in Offline

Space for the Contact Community

The new urban tissues will be designed to accommodate various levels of activities and events. The open spaces will be designed to be used for various purposes, including community events, cultural activities, and social gatherings. The open spaces will also be designed to accommodate various levels of activities, ensuring a dynamic and engaging public space.
TRAPANI 2020 RECYCLE CITY: ECO BLOCK

The Laboratory LabCity focuses on the issues relating architecture to recycle issues, transformation of urban fragments. The project is based on a design strategy concerned with ecology issues, aiming to a low environmental impact. The design is oriented to low emission practices and self-efficiency buildings.
Triple House
KOH, Seong-lyong
GeongSang National University, Korea
Urban Regeneration Project of Cheonghak-dong Sunrise Village

OH, Kwangsuek
Korea Maritime and Ocean University, Korea
THE VILLAGE TAPESTRY

VILLAGE OF THE ARTS, BRADENTON, FLORIDA

The Village of the Arts (VOA) is an artist's colony, which was created in 2000.

A 42-acre site with 190 style bungalows, it lies south of Bradenton's downtown core. The design process involved community charrette meetings and presentations with the residents, artists, stakeholders, and affected parties. The proposal enhances and updates infrastructure across a spectrum of design scales, from physical and social connectivity to landscape at a 1:1 scale. The strategy is to focus on urban spaces and pedestrian experience, bringing form to the edges into the village, with smaller-scale secondary galleries.

Design guidelines, and a kit of parts, "plug and play" are integrated in order to create a distinguished center at distinct intersection spaces and relocated contexts. The design study was presented as an exhibition of concepts and ideas, with pop-up urbanism as a form for the site. The corridor was proposed as a combined artist's workshop space, with galleries, education spaces, urban agriculture, and retail spaces. A larger-scale master plan is also proposed, including cycling and bike paths within the VOA, linked to a larger proposed urban rail and cycling system linking open space systems within Bradenton.

POP UP URBANISM - PLUG 'N' PLAY KIT OF PARTS

DESIGNING THE VILLAGE TAPESTRY: NEW ARCHITECTURAL AGENCIES OF COMMUNITY BUILDING + DESIGN

Shannon Bassett, Assistant Professor of Architecture, Urban Design, Architect and Urban Designer
University at Buffalo-SUNY, School of Architecture and Planning
Workshop for Exhibition

KANG, Jaejoong
Gyeongnam National University of Science and Technology, Korea
Wu-shi Club-gellery Renovation • Tian Weijia  Tongji University, China
Y Building Project
PYO Eung Suc

부산광역시 수영구 광안동 157-13, 14, 16번지 준주거지역 / 상대정화구역 / 철대정화구역 자동차 관련시설

Y-Building Project • PYO, Eungsec Dongseo University, Korea
Special Section

Back to the Countryside-Xixinan, Anhui village(China) projects
Architecture Studio of Prof. Shannon Bassett, University at Buffalo-SUNY, USA

Recovering Xixinan's Public Spaces through Connectivity and Water Management
Quincy Koczka, Kamillah Ramos, Carl Staboro

Public Space Celebrating the Community's Identity and Skills in Xixinan through Architectural + Micro-Rurban Interventions
Alan Chan, Gary Chung, Dan Kleeschulte

Re-Stitching Xixinan Village through a Connective Cultural Spine
Eliana Drier, Nashon Jagroop, Marius Laurinkus

Reclaiming Agricultural and Market Program in Xixinan through Agricultural and Eco-Tourism
Greg Dublin, Lisa Kuhn, Crystal Schmoger
Recovering Xixinan’s Public Spaces through Connectivity and Water Management

Genny Kozicka, Kamilah Rame, Carl Samboro
Instructor: Prof. Shannon Bassett
School of Architecture, University at Buffalo, State University of New York, Buffalo, NY, USA

Master Plan

Context:
Create connections between agri-tourism pathways and tourist lodging in designated perimeter! Provide pavilions and water features at sub-roads.

Site Context:
Context: A node points at northern riverfront location, Midpoint: serving as the central area, and southern pastoral area.

Transact aims to extend water interaction into the node by engaging various levels of urban and mixed urban-agricultural areas for agritourism engagement.

Water intervention aims to increase underfoot interaction with local activities. Provision for lobbies for tourists to pass through as well.

Pavilion zones intended for use by both tourists and local people by providing public space and flexible meeting space in shared zones.
Public Space Celebrating the Community’s Identity and Skills in Xixinan through Architectural + Micro-Rurban Interventions

Allen Chan, Gary Chung, Dan Kizaeatsu
Instructor, Prof. Shawn Haxel
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Re-Stitching Xixinan Village through a Connective Cultural Spine

Elana Dier, Nashon Jagroop, Markus Laivlikus
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Program Development // Public Space & Commerce

The project focuses on re-imagining and renovating a historic village in China, Xixinan, into a contemporary cultural hub. The design integrates traditional architectural elements with modern functionality, creating a space that connects the community.

Commercial Access Pathway

The path is designed to be accessible and welcoming, encouraging interaction and movement through the village. It is integrated with the existing landscape, maintaining the village's historical character.

Theater Development

The theater is designed to be a focal point of the cultural spine, offering a space for performances and community gatherings. Its design is both functional and visually appealing, reflecting the village's traditional aesthetics.

The Screen

A prominent feature of the cultural spine, the screen serves as a visual and functional element, providing a backdrop for performances and exhibitions. It is designed to be both aesthetically pleasing and durable, capable of withstanding various weather conditions.

From Ruin

A neglected area is transformed into a vibrant public space, offering new opportunities for community engagement and social interaction.

On Stage

A space for performances, community gatherings, and educational events, the stage is designed to be adaptable and inclusive, accommodating a variety of activities.

Re-Stitching Xixinan Village through a Connective Cultural Spine
Public Space Celebrating the Community's Identity and Skills in Xixinan through Architectural + Micro-Rurban Interventions
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