

THE FIRST STEP TOWARD A REAL U-LIBRARY STARTS AT YUL

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Yonsei University Library
September 10th, 2008
Madrid, Spain

AGENDA

- ◎ Part I - New Library & IT Project by Yongmin Lee
 - Intro: Yonsei University Library
 - Yonsei New Library Project
 - IT Consolidation Project for Yonsei Samsung Library
 - U-Library: new IT service concept
- ◎ Part II – U-Library Services by Choemin Cho
 - About U-Library service details
- ◎ Q & A

YONSEI UNIVERSITY , SEOUL, KOREA

▬ STARTED IN 1885 BY DR. UNDERWOOD, AMERICAN MISSIONARY

ENROLLED STUDENTS: MORE THAN 29,000

18 GRADUATE SCHOOLS AND 19 COLLEGES

131 SUBSIDIARY INSTITUTIONS



YONSEI UNIVERSITY LIBRARY

◎Library Facts

- Average gate check-in counts: 10,000
- Peak gate check-in counts: 30,000
- Average daily checkout books: 3,000 items
- Aggregate Number of gate check-in count last year was over 5 millions



LIBRARY COLLECTION

- ◎ Collections & Information services
 - 1.8 million printed works
 - 16,000 serials
 - 200 academic databases
 - 53,000 e-journals
 - 42,000 e-books



THE LARGEST LIBRARY COMPLEX IN KOREA: 53,000 M² (570,300 FT²)



NEW LIBRARY PROJECT

- ◎ Started in 2001
- ◎ Requirement Description Draft for the New Library, 2001
- ◎ A working group for preparation of the Basic Construction Plan: 2001-2003
 - Benchmarking libraries: over 50 institutions (North America, Europe and Asia)
 - Decision the Concept & Layout
 - User surveys
- ◎ Submission of the Basic Construction Plan for the New Library, 2004

PRINCIPALS ABOUT CONCEPT AND LAYOUT(1)

- ◎ Stacks are in the Central Library building
- ◎ The new library has a repository room
 - a mobile shelving system
 - Storing more than 500,000 items
- ◎ The new library has more collaboration rooms and facilities based on IT infrastructure

PRINCIPALS ABOUT CONCEPT AND LAYOUT(2)

- ◎ The two buildings -- both the old one and the new - should be inter-connected
- ◎ We design a cutting-edge library building
- ◎ We design the cultural space in the library
- ◎ We provide aspects lacking from old library focusing on suggestions by students

CONSTRUCTION STARTED IN MAY 2005



IT CONSOLIDATION PROJECT

- ◎ New Library Taskforce team
- ◎ Requirement
 - Following the issues & Solving problems
 - Specialists & Consultants
- ◎ Compound Project
 - Design Project - Concept, Furniture, Sign System...
 - Consulting - Organization, Service, IT...
 - Ordering - furniture, facilities, equipment, manufacture...
 - System Integration - design & development system ...
- ◎ IT Project Partner: SDS (Samsung Data Systems)

NEW LIBRARY IT PROJECT TASKS(1)

- ◉ To propose a service rebuilding plan – service desks, function arrangement, staff positioning and so forth
- ◉ To complete the layout plan to connect the two library operations
- ◉ To design tailored library furniture to fit every room and corner in the new library
- ◉ To create a sign system plan for both of the two library buildings.
- ◉ To review all equipment and items specification to be installed in the building

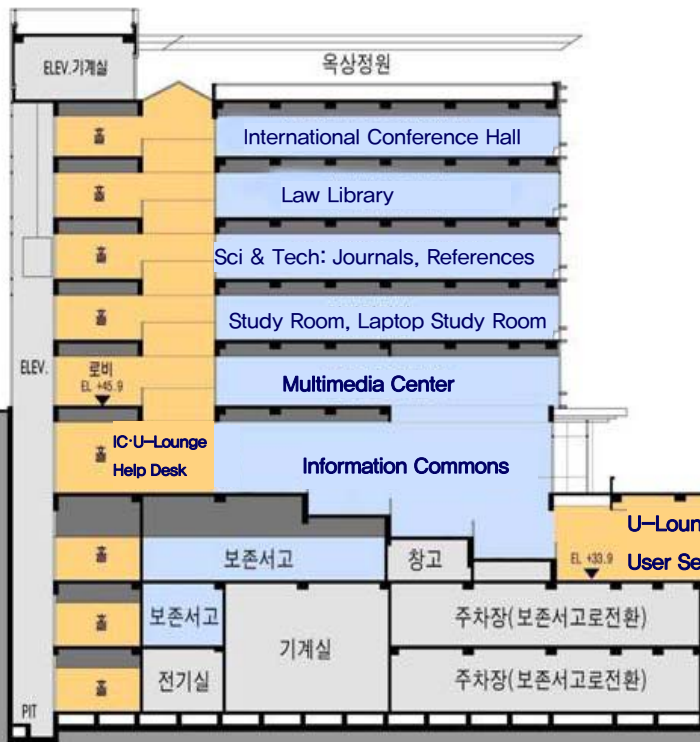
NEW LIBRARY IT PROJECT TASKS(2)

- ◉ To suggest ideas to the New Library Construction Committee for creating a pleasant library environment
- ◉ To check the library issues in the all process of building construction
- ◉ To make an action plan to implement IT infrastructure system to improve IT services in the library
- ◉ To design the systems to administrate IT resources, and to support user's booking seat and room reservation
- ◉ To make a creative and outstanding service plan in IT area

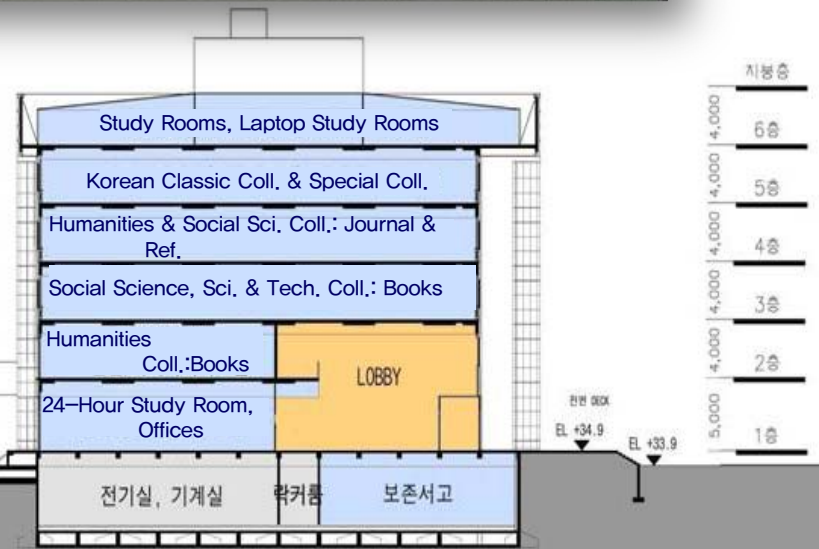
BRIEF LAYOUT



U-LOUNGE

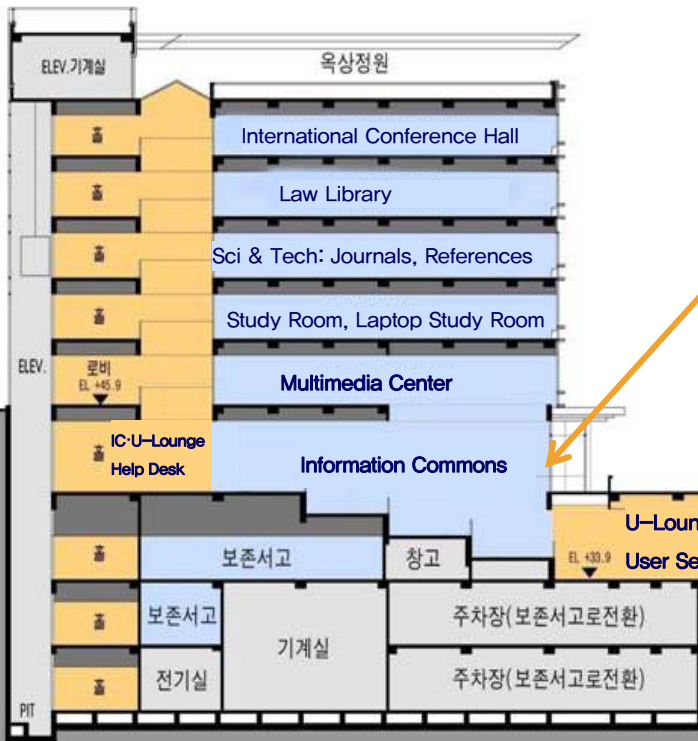


Yonsei Samsung Library

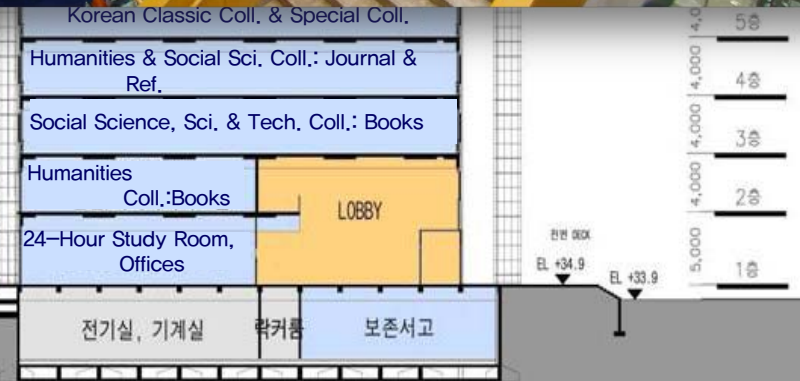


Central Library

INFORMATION COMMONS

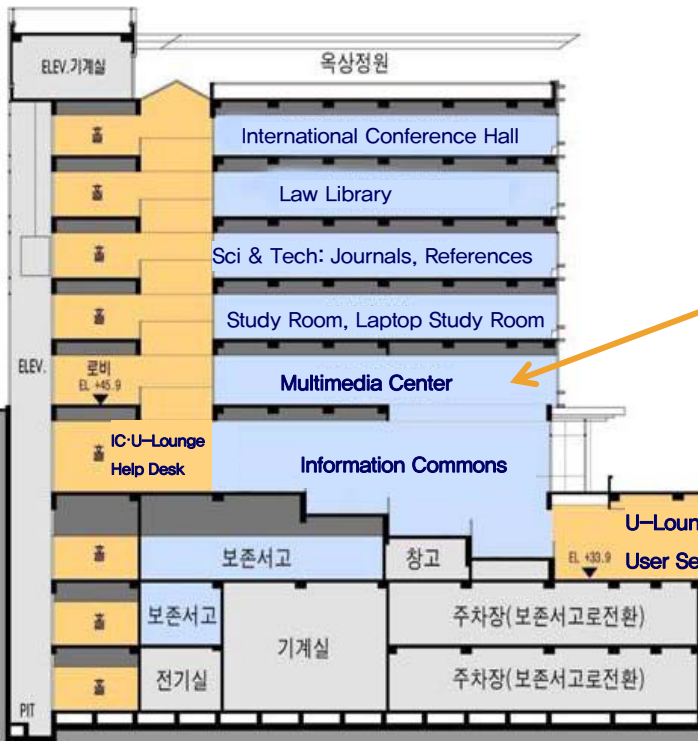


Yonsei Samsung Library

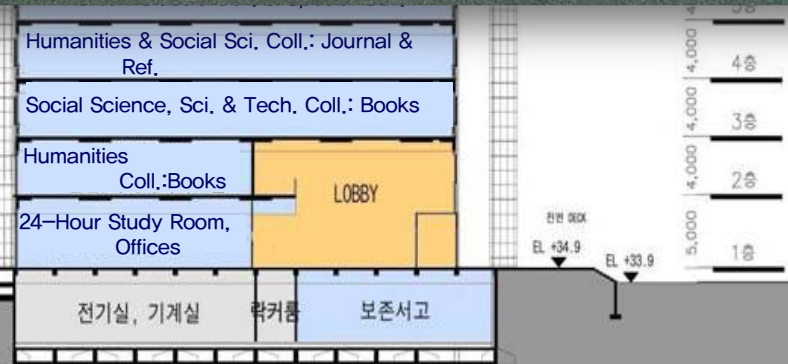


Central Library

MULTIMEDIA CENTER

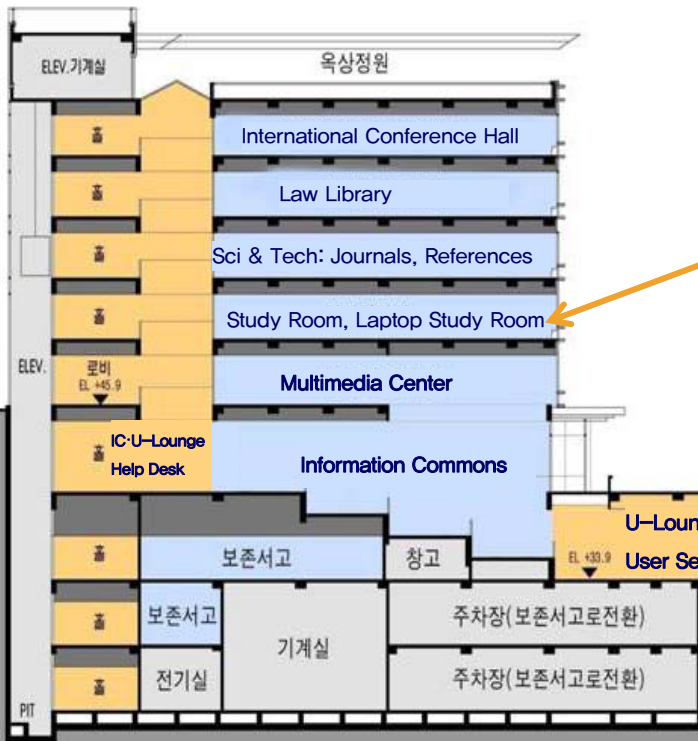


Yonsei Samsung Library

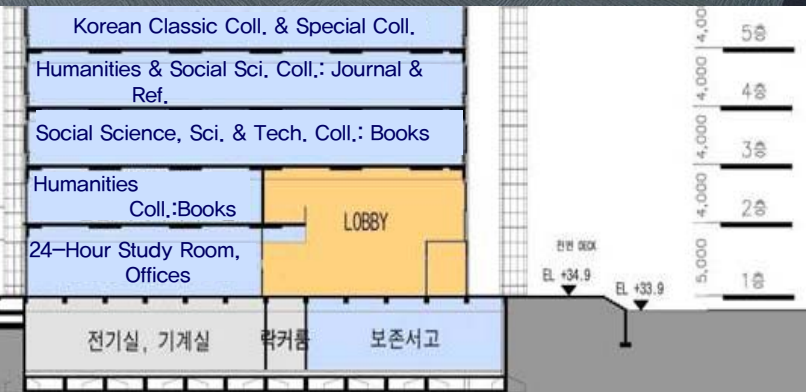


Central Library

STUDY ROOM

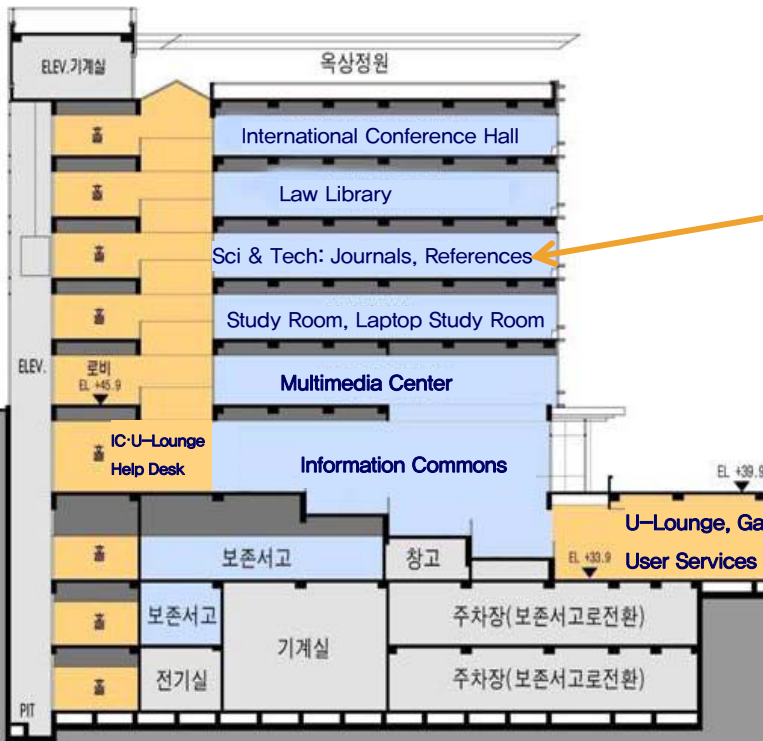


Yonsei Samsung Library

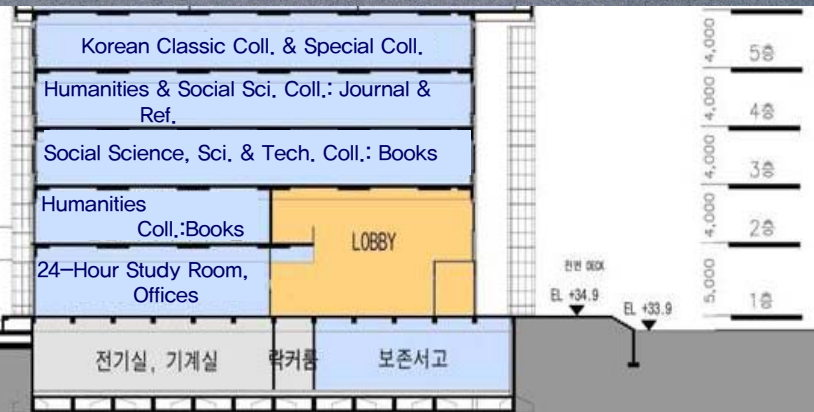


Central Library

READING ROOM

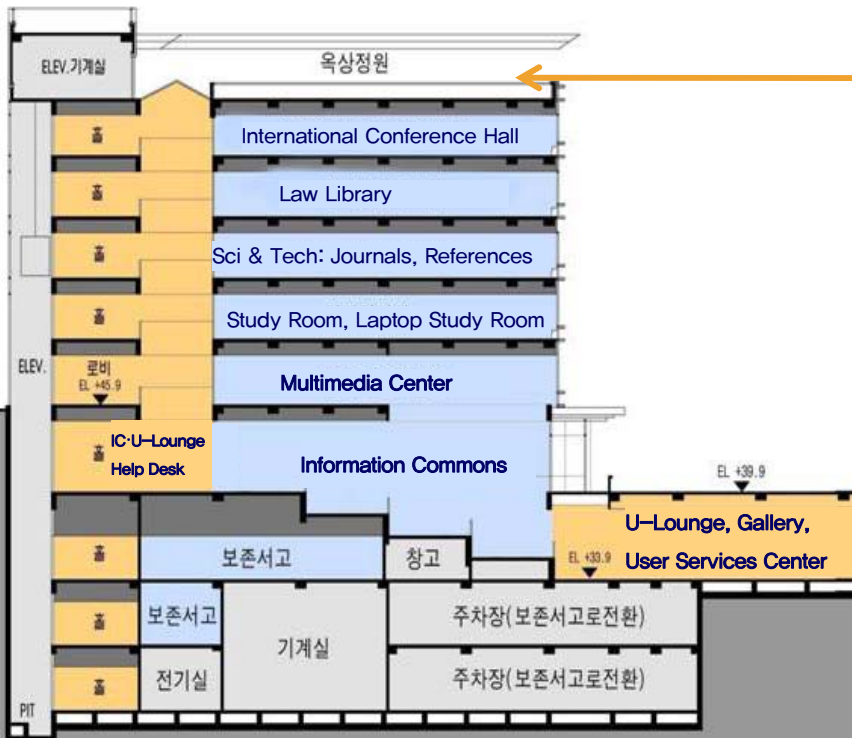


Yonsei Samsung Library

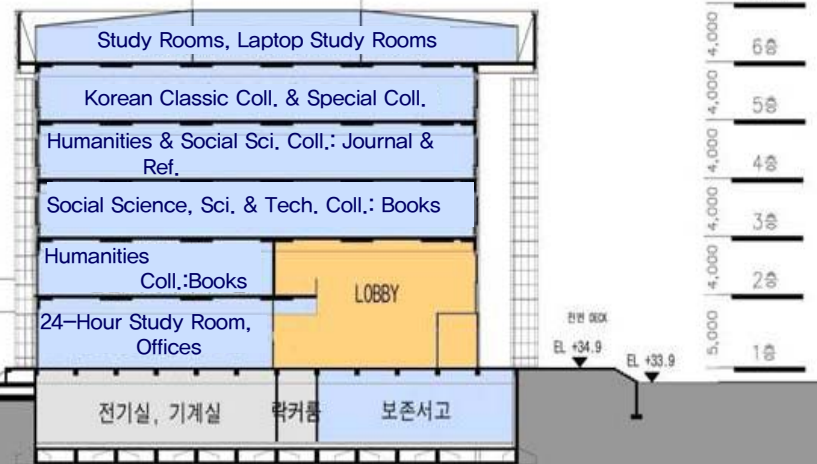


Central Library

ROOF GARDEN



Yonsei Samsung Library



Central Library

YONSEI-SAMSUNG LIBRARY VIDEO CLIP



YONSEI UNIVERSITY LIBRARY
연세대학교 학술정보원

IT SYSTEMS TO SUPPORT U-LIBRARY

◎ User support system

- Seat Booking, Room Reservation, Gate check-in, User information Administration, Statistics

◎ Contents broadcasting system

- To upload, register, update, schedule contents...

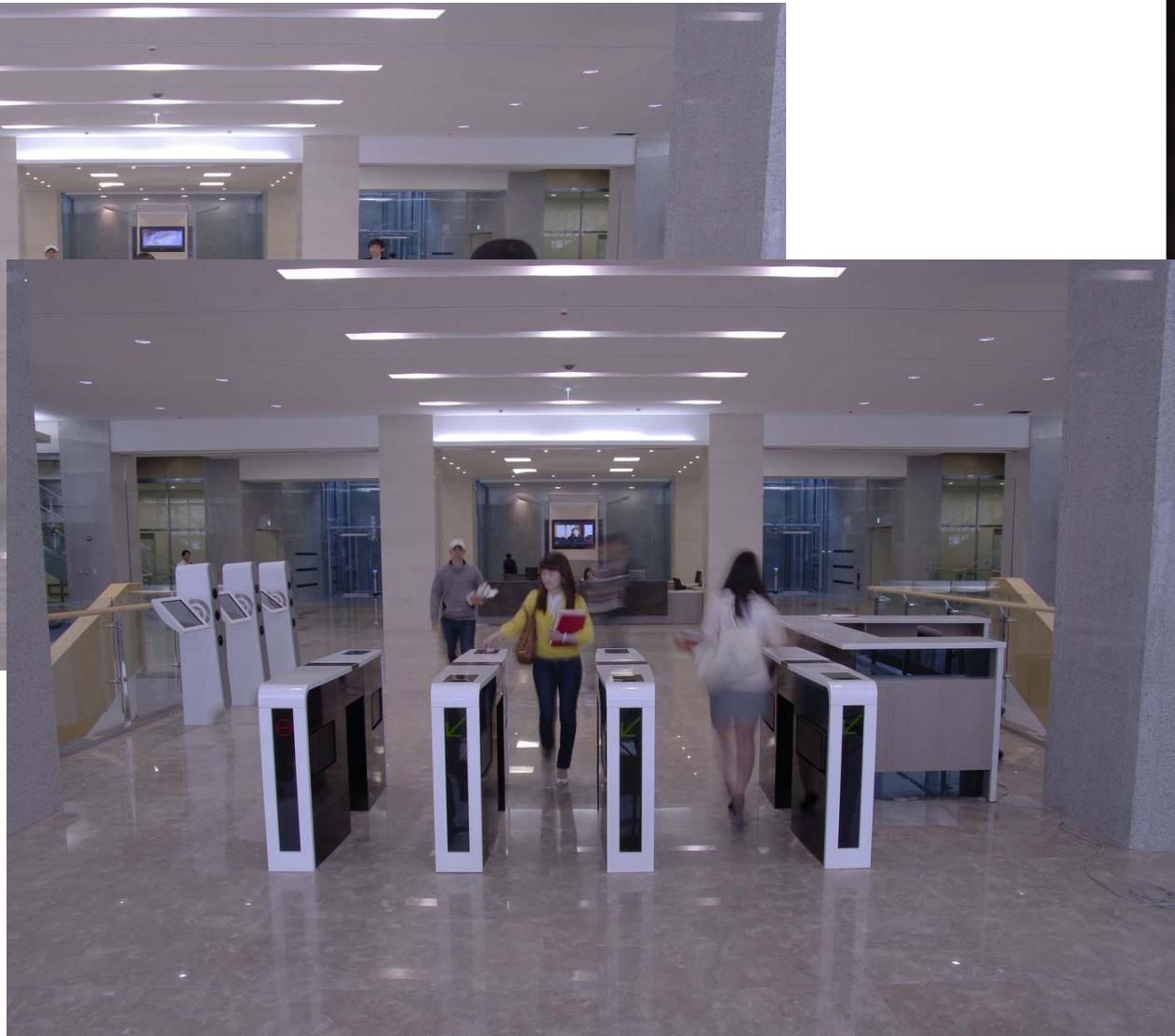
◎ U-Lounge support system

- Displaying Contents, Recognition RFID, Real-time gathering data...

◎ IT Technology

- RFID, touch LCD, computer graphics, media file conversion, integrated databases...

IT SYSTEMS TO SUPPORT U - LIBRARY







U-LOUNGE/U-LIBRARY

- ◎ 'U' stands for 'Ubiquitous' & 'University Culture'
- ◎ 'U-Lounge' is the physical space at Yonsei Samsung Library
- ◎ 'U-Library' stands for a concept of 'Ubiquitous computing' as human-computer interaction service in the library.



UNIQUENESS IN U-LIBRARY SERVICE

- ◎ Convenient , Interesting & Fun
- ◎ Human interactive interface using digital contents
- ◎ Cultural space by users



ENJOY U-LOUNGE, THANK YOU!



YONSEI UNIVERSITY LIBRARY
연세대학교 학술정보원



U-LOUNGE IN YUL

Informative : Convenient : Fun

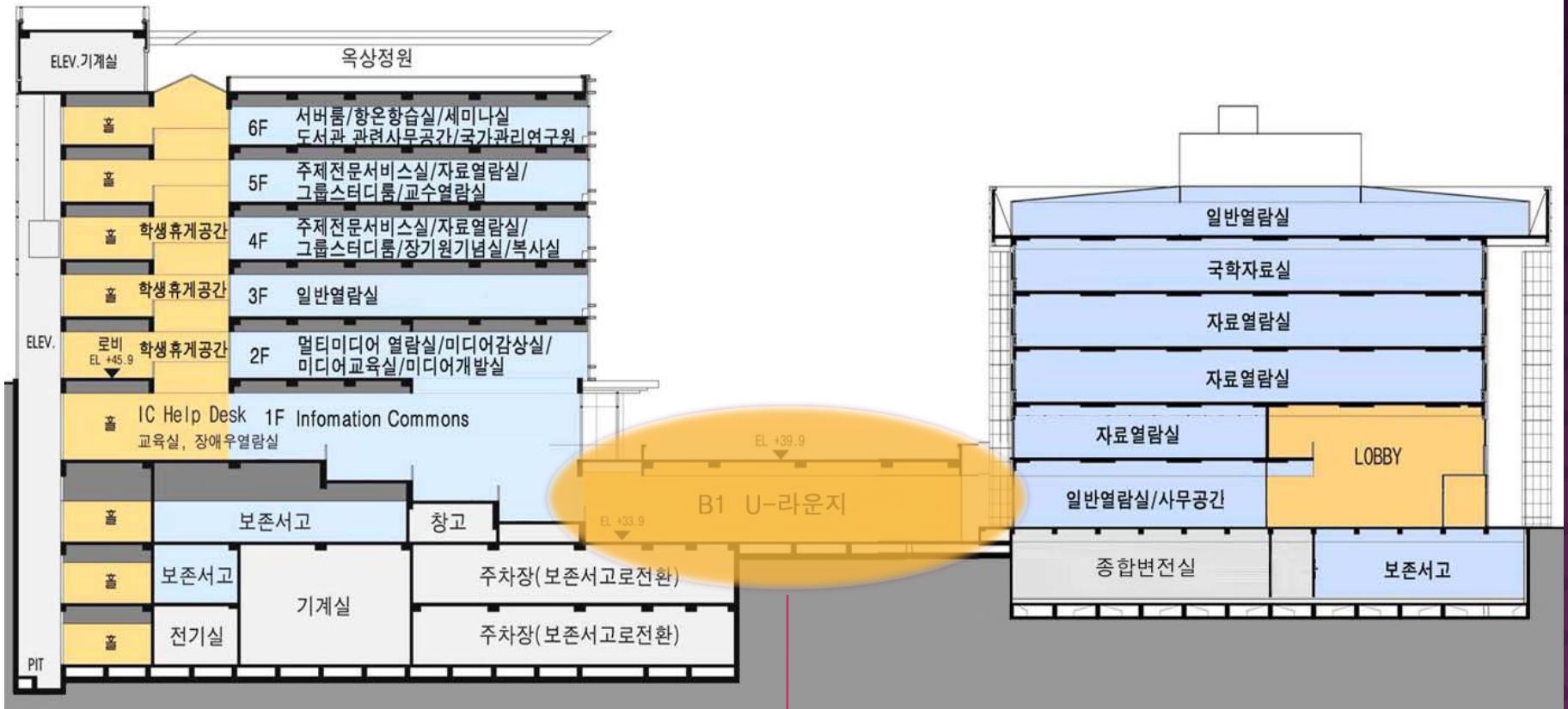
Cheolmin Cho, Media Librarian
Yonsei University Library, Seoul, Korea

Session 20c / 10 September 2008

U LOUNGE ...

- ◉ represents the high-tech image of the Yonsei university library
- ◉ is not a ubiquitous dream hall, but the first commercialized ubiquitous service
- ◉ sets Yonsei University Library apart from other libraries
- ◉ provides unique cultural environment

LOCATION

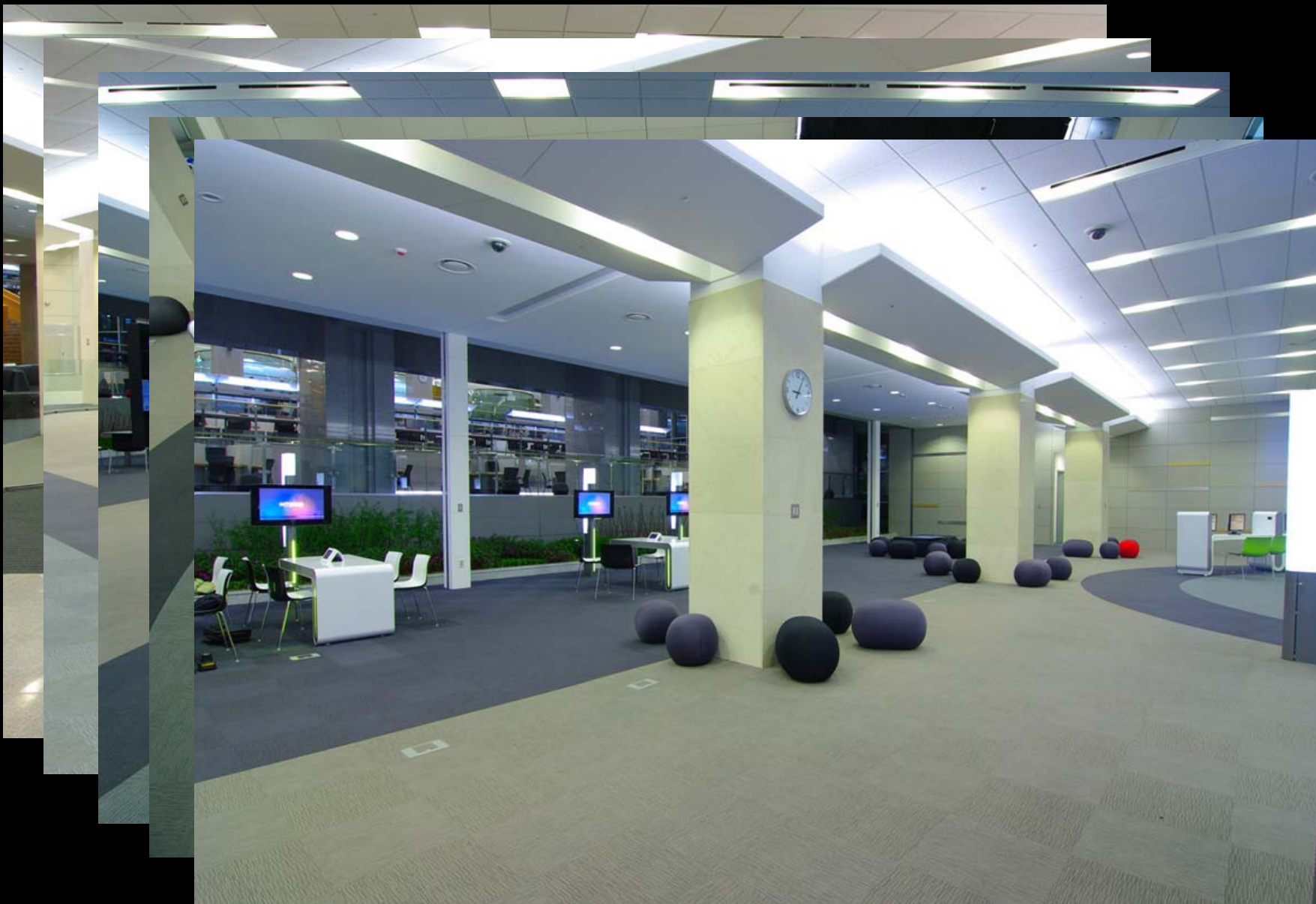


Yonsei Samsung Library

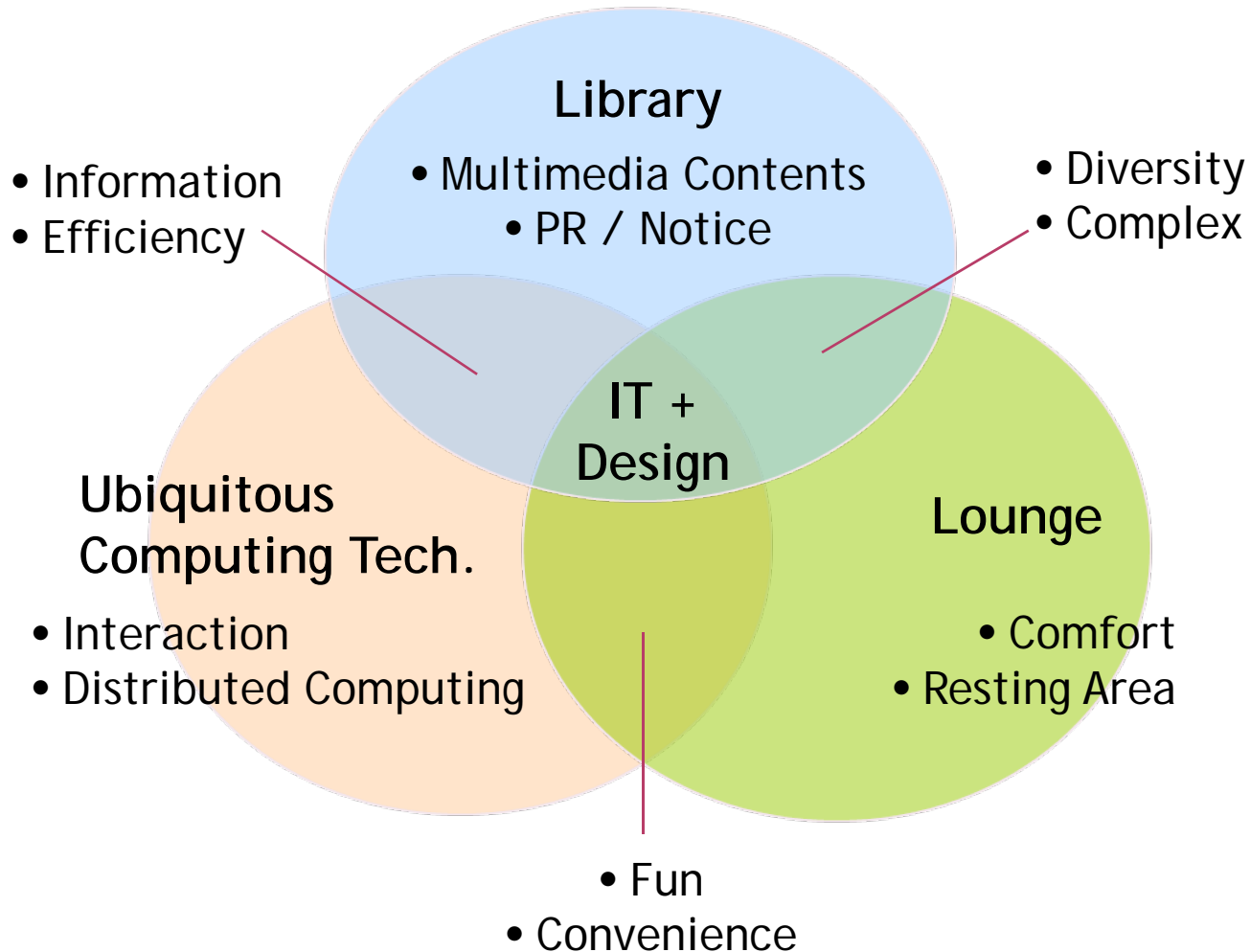
U Lounge

Central Library

OVERVIEW



SERVICE CONCEPT



DESIGN

- ◉ Creative / Functional
- ◉ Modern / Simple
- ◉ Usability
- ◉ Unity / Originality



LI (LIBRARY IDENTITY)



YONSEI UNIVERSITY
U LOUNGE



DEVELOPMENT FOCUS

- ◉ User Interface : easy to use / aesthetic
- ◉ Contents Management : one source - multi use
- ◉ Automation : scheduling (power & contents)
- ◉ Attraction : comfort / fun & interesting contents

COMPONENTS

Information Delivery

- Libinfo Display
- © PR sections
- © Magic Mirror

Interactive Contents

- © Memoboard *
- © MOD

Research & Books

- © Newspaper
- © Digital Book
- © Finding Shelves
- My © Book *

* Personalization Service using RFID

COMPONENTS

Resting & Playing

- ⊕ Table
- ⊕ Pond

Integrated Management System

- Equipments & Applications Management

- Contents Management

- Scheduling Power Supply

- Monitoring & Statistics

COMPONENTS MAP



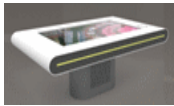
Libinfo Display



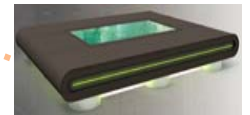
Memoboard



MOD



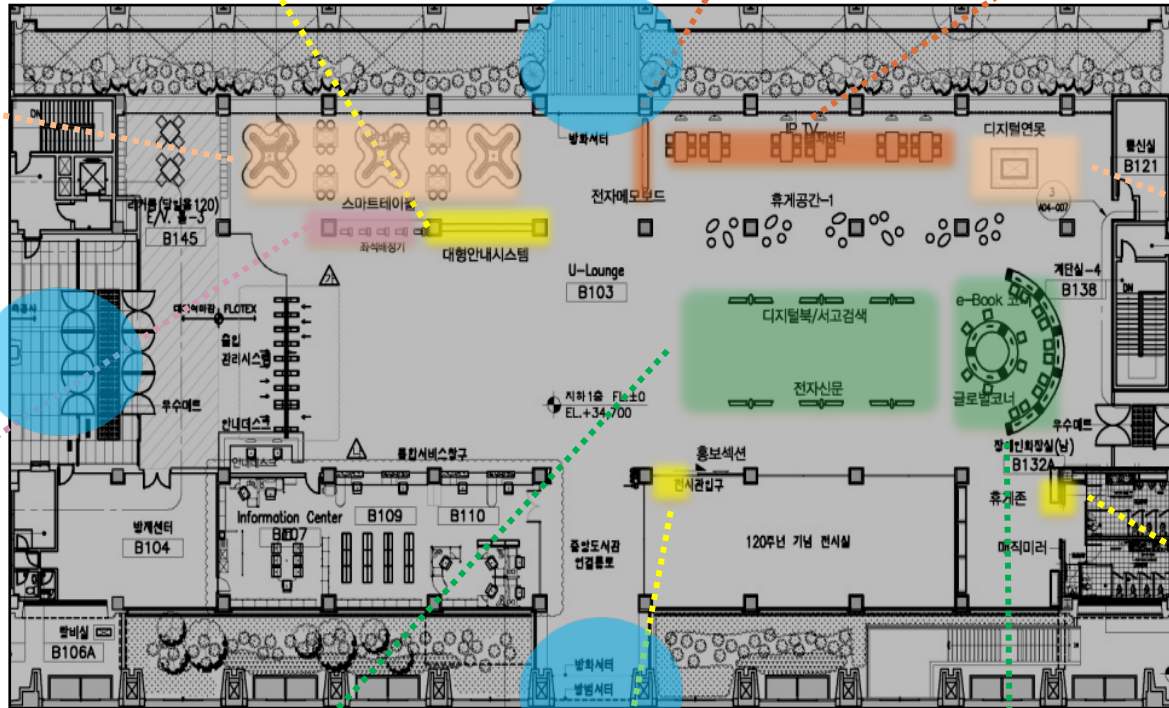
Table



Pond



Seat Kiosk



Magic Mirror



PR Sections

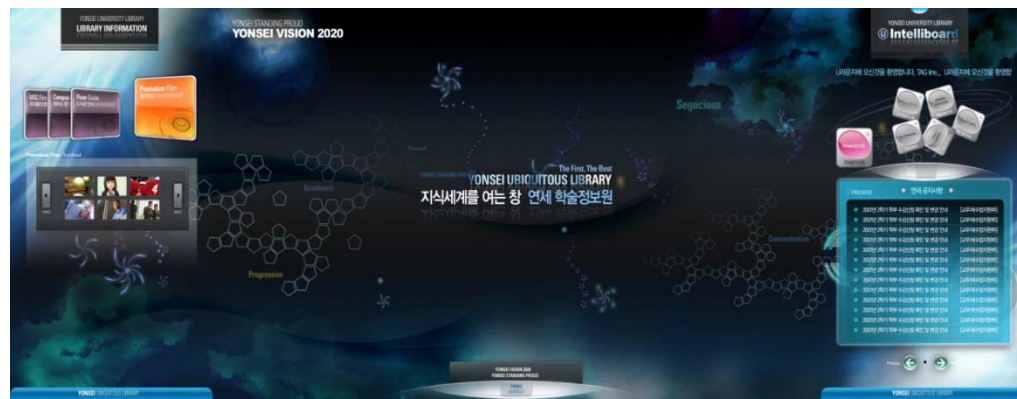


My Book
Global PC Island

Newspaper / Digital Book
/ Finding Shelves

LIBINFO DISPLAY

- A conspicuous information display system
- Hardware :
 - 5 52-inch LCD Monitors (2 touch LCDs)
 - 2 Agent PCs
 - Hi-Fi Stereo Speakers / Monitor Distributor



LIBINFO DISPLAY

- ◉ Submenus :
 - Promotional Films
 - Library Floor Guide / Campus Map
 - UCC Video Clips
 - © Intelliboard

- ◉ Features :
 - interactive touch screen
 - flash movies streamed as a panoramic view
 - real time notices & news from library & university homepage
 - scheduled contents broadcasted during idle time

REAL VIEW

YONSEI UNIVERSITY LIBRARY
LIBRARY INFORMATION



Welcome Mag




HELP
THE TRUTH WILL SET YOU FREE



YONSEI
UNIVERSITY

WELCOME TO
YONSEI
UNIVERSITY



The Hon
Kevin Rudd MP,
Prime Minister
of Australia

YONSEI
the First & the Best

YONSEI UNIVERSITY LIBRARY
Intelliboards

본 도서관의 모든 자료는 무료로 이용하실 수 있습니다. "YONSEI UNIVERSITY LIBRARY"에 접속하시면 도서관의 모든 자료를 이용하실 수 있습니다. "YONSEI UNIVERSITY LIBRARY"에 접속하시면 도서관의 모든 자료를 이용하실 수 있습니다. "YONSEI UNIVERSITY LIBRARY"에 접속하시면 도서관의 모든 자료를 이용하실 수 있습니다.

HELP
THE TRUTH WILL SET YOU FREE

PR SECTIONS

- A distributed broadcasting system throughout the library
- Hardware :
 - 1 46-inch LCD Monitor (Library Gallery)
 - 2 42-inch LCD Monitors (IC Helpdesk, MMC)
 - 4 15-inch LCD Monitors (Elevators)
 - 14 20-inch LCD Monitors (Each Floor)
 - 9 Agent PCs

PR SECTIONS

- ◉ Submenus :
 - all the contents are automatically broadcasted (no menus)
- ◉ Features :
 - distributed display throughout the library
 - scheduled contents broadcasting
 - streaming flash movies
 - slide shows of digital images
 - text information
 - tag line flow
 - background image exchange available

REAL VIEW

중영대학교
Jungmyeong University

좌석/시설 이용정책이 이렇게 바뀌었어요!

· 학술정보원에서는 학생 여러분들의 의견을 충분히 듣고 최대공약수를 찾아 예약 및 배정 정책을 다음과 같이 변경하였습니다.

1. 체크아웃 100분 후 좌석이 자동 취소되는 정책은 정상시에는 시행하지 않습니다.
다만, 매 시험기간 2주 동안은 필요하다는 공감대가 있으므로 '설문'을 통하여 취소되는 시간을 정하도록 하겠습니다.
2. 연장 회수에는 제한을 두지 않고, 연장 · 가능시간도 종료 2시간 전부터 가능합니다.

중앙도서관/학술정보관에서 열공하시고, 멋진 생활 누리시길 바랍니다!

PANVU

MEMOBOARD

- An interactive digital memo board
- Hardware (2 sets) :
 - 1 60-inch Touch PDP Monitors
 - 1 Agent PC
 - RFID Sensor



MEMOBOARD

◉ Submenus :

- Lost & Found
- News & Event
- Flea Market
- Part Time Job

◉ Features :

- sending memos to public or specific person using web interface
- RFID identification to check personal memo (user's own memos are popped up)
- various communicative categories provided
- fun & cute design

REAL VIEW

u.memoboard

6186 조희수: 3

Welcome to U-Lounge!

Welcome to U-Lounge of Yonsei Samsung
Library!

Feel the real ubiquitous library around you~

학술정보원 디지털미디어부 조철민

로그아웃



- A multimedia on demand system including IPTV channels
- Hardware (6 sets):
 - 1 32-inch & 1 8-inch LCD Monitors
 - 1 Agent PC
 - 1 Mouse
 - 4 Earphone Jacks





○ Submenus :

- Movie Clips
- Information
- Images
- IPTV

○ Features :

- separate menu LCD (8") and main LCD (32")
- various multimedia contents provided by library
- IPTV channels like Joost, Babelgum, GomTV
- scheduled contents are broadcasted during idle time

REAL VIEW



U NEWSPAPER

- A true-to-life digital newspaper system (automatically daily updated)
- Hardware (6 sets) :
 - 1 42-inch Touch LCD Monitors
 - 1 Agent PC



NEWSPAPER


○ Features :

- appearance of real newspaper
- touch interface simulating actual newspaper
- automatically daily update
- providing 10 newspapers for 1 month
- user can magnify and read each article by touching
- commercials can be displayed and managed by agency

REAL VIEW

The Korea Herald **신문**

BUSINESS



SAMSUNG
MOBILE CHARGING STATION

FREE BATTERY-CHARGING SERVICE — People visit Samsung Electronics Co.'s battery-charging station at the Newark Liberty International Airport in New Jersey, yesterday. The Korean electronics maker installed 50 free battery-charging machines for laptops, cell phones and other electronics devices.

Samsung Electronics Co.

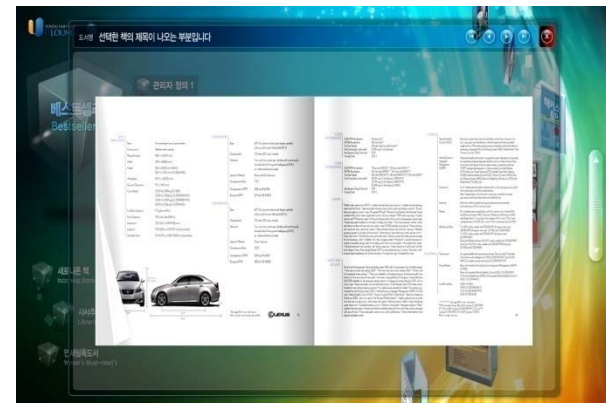
Regu
etailed

Sep
culati

Navigation icons: back, forward, search, zoom in, zoom out, close.

U DIGITAL BOOK

- A true-to-life digital book system
- Hardware (4 sets):
 - 1 42-inch Touch LCD Monitors
 - 1 Agent PC



DIGITAL BOOK

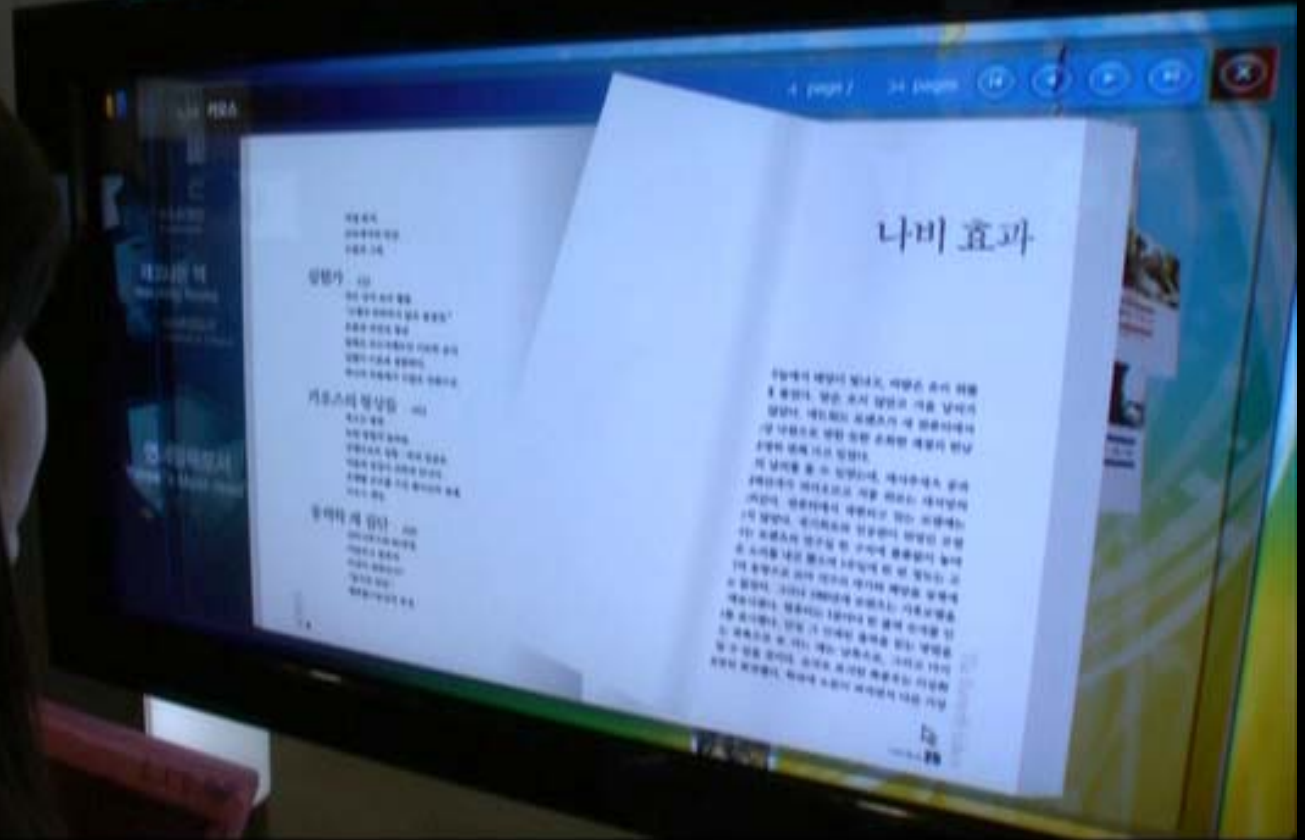
◉ Submenus :

- Incoming Books
- Librarians' Choice
- Bestsellers
- Yonsei's Must-read's

◉ Features :

- touch interface simulating actual book
- provides the first part of books (following copyright law)
- users can browse books for actual reading
- can add contents within server-side storage capacity

REAL VIEW



U TABLE

- An enjoyable multi-useful table that allows up to 4 users simultaneously
- Hardware (4 sets):
 - 1 42-inch Touch LCD Monitors
 - 1 Agent PC
 - 1 Stereo Speakers
 - 1 Memory Card Readers
 - 1 Cellphone Recharger
 - 4 Headphone Jacks



TABLE

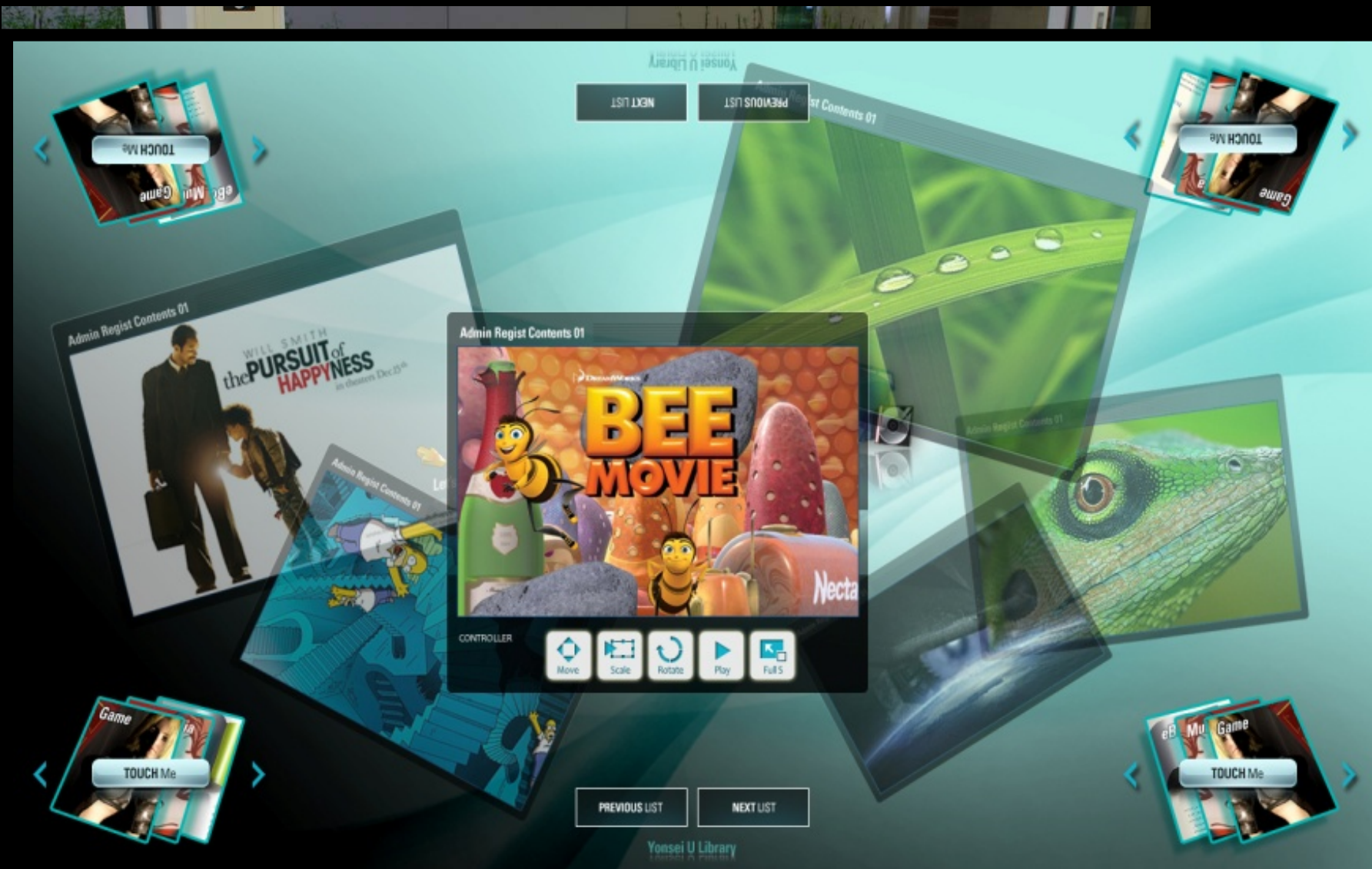
◉ Submenus :

- Movie
- Games
- Images
- Electronic Board

◉ Features :

- multi touch screen
- 4 users around can enjoy group meeting and play
- multimedia contents can be shared by plugging user's own memory card
- simple but funny board games
- group study with electronic board

REAL VIEW



Integrated Management System

- ◉ A server application which controls all the equipments and contents of U-Lounge
- ◉ Hardware
 - DB & App server : HP Bladesever BL460c
 - Storage : 146GB * 8
- ◉ Software
 - OS : Microsoft Windows 2003 Server
 - DBMS : MSSQL Server 2005
 - App : Java SDK1.6.0 + Tomcat 5.5 (Spring)

Integrated Management System

- It has 3 layers of contents management
 - uploading flash movies, images, text
(includes making meta-data, categorizing contents)
 - registration contents to necessary components' submenu
(enables one source-multi use)
 - making broadcasting schedule set of contents to necessary components

Integrated Management System

- It can schedule power supply on-off of all the agents' PCs and monitors using wake-on lan and IR control technology
- Agent application can be switched if necessary - this function enables location and number of components to be redesigned
- Agent application is automatic upgraded if newer version is available on the server

Short Movie Clip

- A movie clip excerpted from 'Arirang Special: Korea Connected'(broadcasted on 15 July 2008 by Arirang TV) which introduces U-Campus of Yonsei University

Questions & Answers

If you have any questions, please contact to us

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chmcho@yonsei.ac.kr