

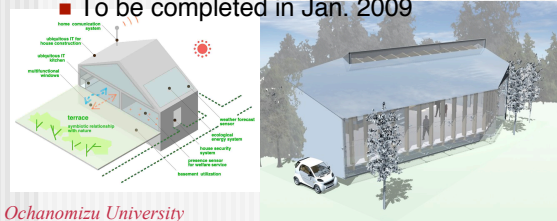
Ocha House Case

Ubiquitous computing
experimental house
in Ochanomizu Univ.

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Ocha House

- In-campus experimental house
 - 1-floor house with 90 m²
- To be completed in Jan. 2009



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Project timeline



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Project member (core)

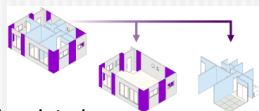
- Architect
 - Nobuhisa Motooka
- Applications
 - Itiro Siio
 - Koji Tsukada
 - Keisuke Kambara
 - Yuji Ohta



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Skeleton and Infill

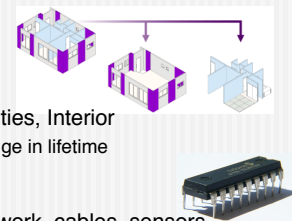
- **Skeleton**
 - Construction
 - **Infill**
 - Partitions, Facilities, Interior
 - They may change in lifetime
- 



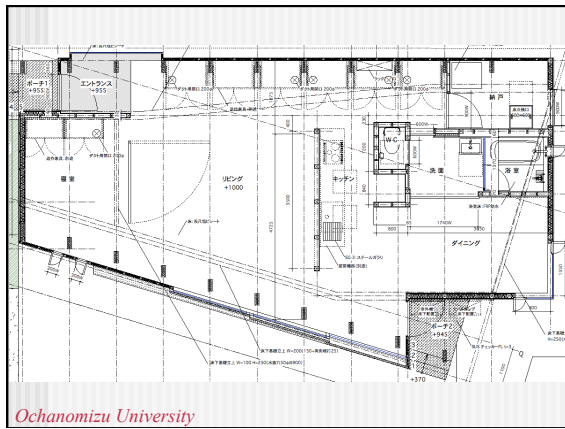
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Skeleton and Infill

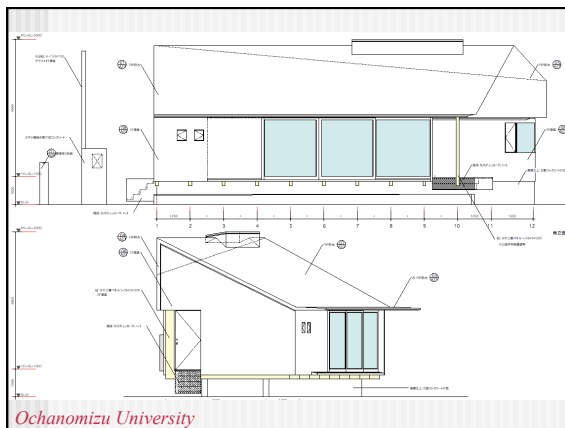
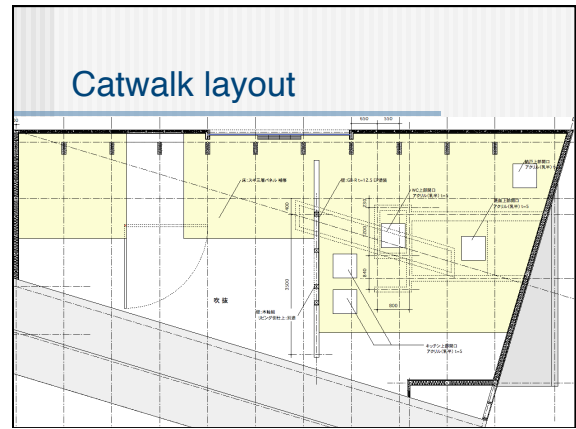
- **Skeleton**
 - Construction
- **Infill**
 - Partitions, Facilities, Interior
 - They may change in lifetime
 - and
 - Computers, network, cables, sensors...
 - They will change more quickly than house



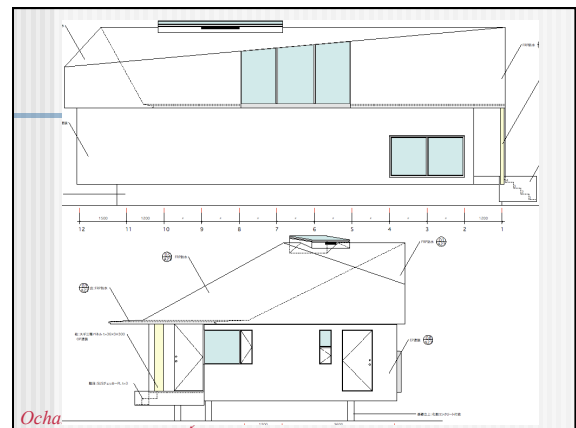
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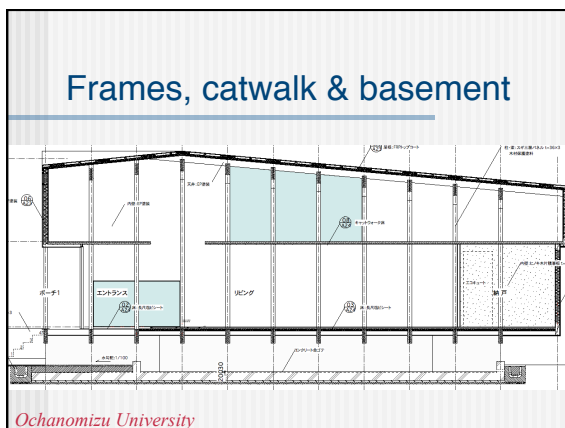
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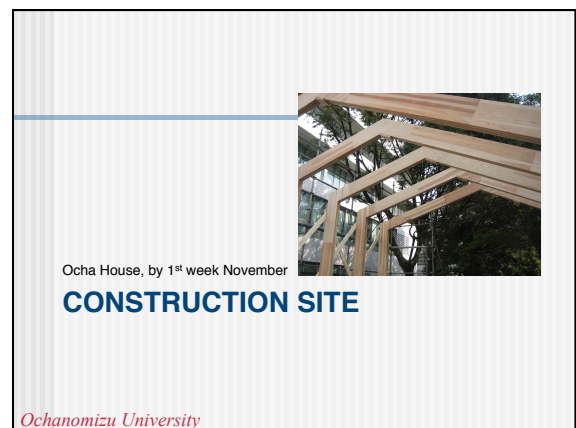
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Ocha



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Ocha House, by 1st week November

CONSTRUCTION SITE

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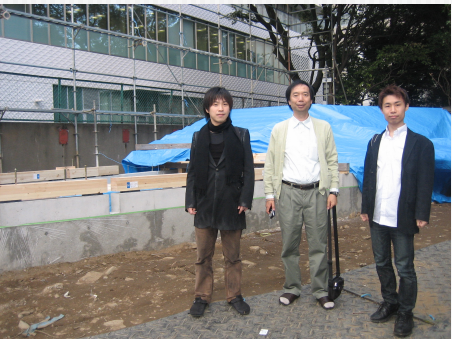
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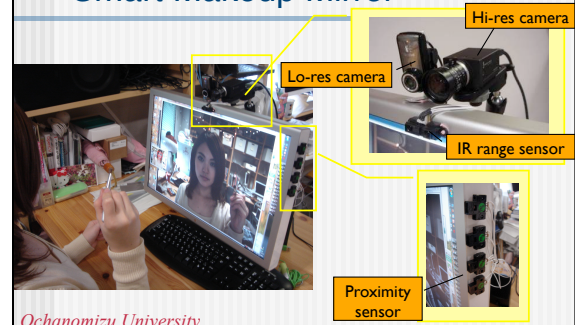
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Ubiquitous Computing for Ocha House

APPLICATIONS

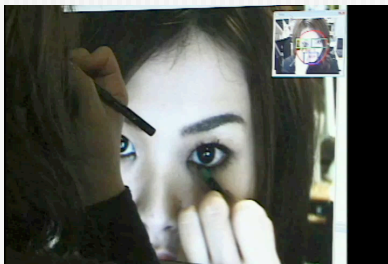
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Smart Makeup Mirror



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Smart Makeup Mirror



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Interactive vacuum cleaner

- Cleaning game
- Photo browser
- Wordcards



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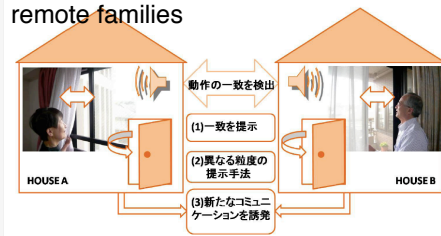
Sync Decor

- Synchronize lights, trash boxes, TV, music player...
- Virtual co-habitation



InPhase

- Informs coincidence of activities between remote families



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Dining presenter



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Home Orgel (music box)

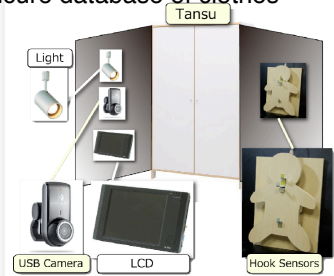
- Music box represent home activities
- For communication support, monitoring...



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Tagtansu (tag-wardrobe)

- Creates picture database of clothes



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Summary

- Ubicomp in Japan
 - J. Rekimoto, M. Inami, M. Yasumura
- Ocha House projects
 - House designed for ubicomp
- Ubicomp applications for the house
 - Viewpoint of everyday life (women)

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