7.1 Situated Types

Chapter 6

Design of Interactive Devices
CS 5984

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7.1 Digital Ground: Situated Types
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- Why need a typology in the situated computing design process?
- A typology of situated interaction (at work, at home, on the town and on the road)
- Ubiquitous computing vs. situated computing
- Suggestions on the design of digital world
“situated computing is based on the belief that such universality is neither attainable nor desirable” p142
Locational etiquette: not luxury but a way to make life easier

Typology of situated interactions: broad diversity from a few themes

Ubiquitous vs. situated: to serve someone anywhere or everyone somewhere?

General foundations of situated solutions: protocols, tags, models
“Design… is more likely to be beneficial and appreciated when its variations occur on a few appropriate themes.” P. 119
Situational Type: at work

1. Deliberating
2. Presenting
3. Collaborating
4. Dealing
5. Documenting
6. Officiating
7. Crafting
8. Associating
9. Learning
10. Cultivating
11. Watching
Situational Type: at home

12. Sheltering
13. Recharging
14. Idling
15. Confining
16. Servicing
17. Metering
Situational Type: on the town

18. Eating, drinking, talking
19. Gathering
20. Cruising
21. Belonging
22. Shopping
23. Sporting
24. Attending
25. Commemorating
Situational Type: on the road

26. Gazing/touring
27. Hoteling
28. Adventuring
29. Driving
30. Walking
7.1 Digital Ground: Situated Types

- Xiaoyan Yu
  - How does pervasive computing help customize individual’s physical shopping experience?
  - Do you have any experiences/examples of previous pervasive computing failures and situated computing successes?
  - What do you think of designing the digital world?

- Vladimir Glina
  - We cannot afford mobile devices that are useful in one local context only. Hence, it is mobile devices, not embedded ones, that should be “the deeper half of the design.” Do you agree with it?
  - Do you agree that situated computing is inherently less abusive to people than ubiquitous one?
  - Frank Lloyd Wright stated that architecture of every building should be in harmony with its environment. Today, there are still many houses of the same architecture that are being built in completely different environments. Will the concept of situated computing help to fulfill the Wright’s dream?
Planning Ahead

- *For Wednesday:*
  - Concept report due
  - Concept presentation (10 minutes, max!)