

11.947 CRE – CDD DUSP – Media Lab Joint Faculty-Student Seminar

New Century Cities: Creating Value through Urban Design and Placemaking

Session 2

MIT/Dennis Frenchman and Susanne Seitinger

Course Updates

Readings

Managing the Discussions

Research Agendas

Timetable for Papers/Projects

Date for Final Session: Nov.24?

Interest in a Tour of Stata

...

Digital Place-making

A. Layering Technology in space

- *Themes and dimensions*
- *The shape of digital space – “permeability”*

B. Precedents and prototypes

- *Shopping place: Newbury Street*
- *Event place: Lyons Festival of lights*
- *Education place: Sapiens*
- *Central Place: one north Singapore*
- *Central place: Seoul DMS*
- *Entertainment place: The Ride*

Layering Technologies in Space

From Dennis Frenchman: *Digital Media Street Elements and Guidelines*, Seoul Development Institute, 1/04

Themes

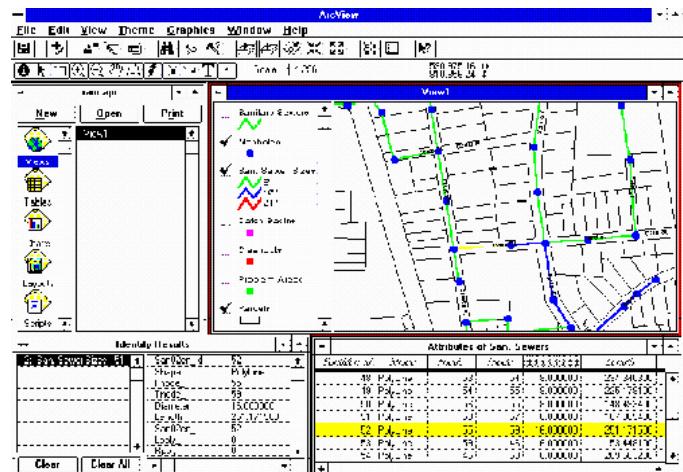
1. *Maintenance / sensing*
2. *Movement*
3. *Place information*
4. *Selling and buying*
5. *Meetings*
6. *Magic / event places*

Dimensions

- **Street level:** *connected to physical objects, places, public display devices and sensing*
- **Personal level:** *communicating and information containing devices*
- **Cyber level:** *meta sources of aggregated data, monitoring, programming that support the street and available to its users.*

1. Maintenance /Sensing

- *Street cleaning and disposal;*
 - *Street lighting and sound;*
 - *Utility network monitoring.*
 - *Street sensing and surveillance.*





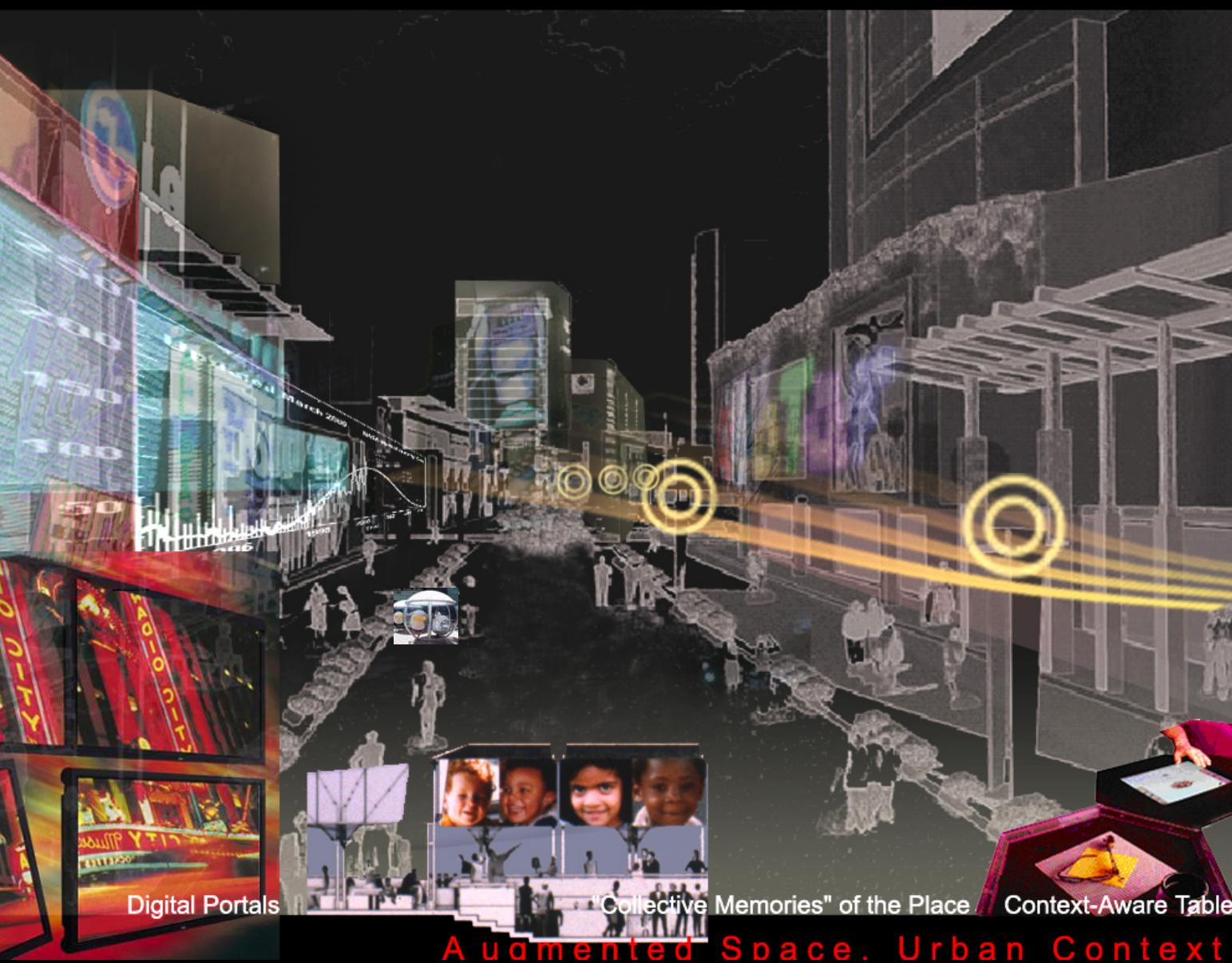
2. M o v e m e n t

- *Traffic management
(pavement markings; signs; stop lights)*
- *Emergencies*
- *Transit stops*
- *Parking management*
- *Communication with “smart vehicles”*
- *Way-finding
[GPS; address identification]*



3. Place Information

- *Location specific information*
- *Stories and interpretation*
- *Maps and orientation*
- *Portals to other times other places*



4. S e l l i n g and buying

- *Programmable signs and advertising*
- *Thin shops*
- *Customer sensing*
- *Ubiquitous points of sale [no check-out]*
- *Advanced Vending (you name it)*



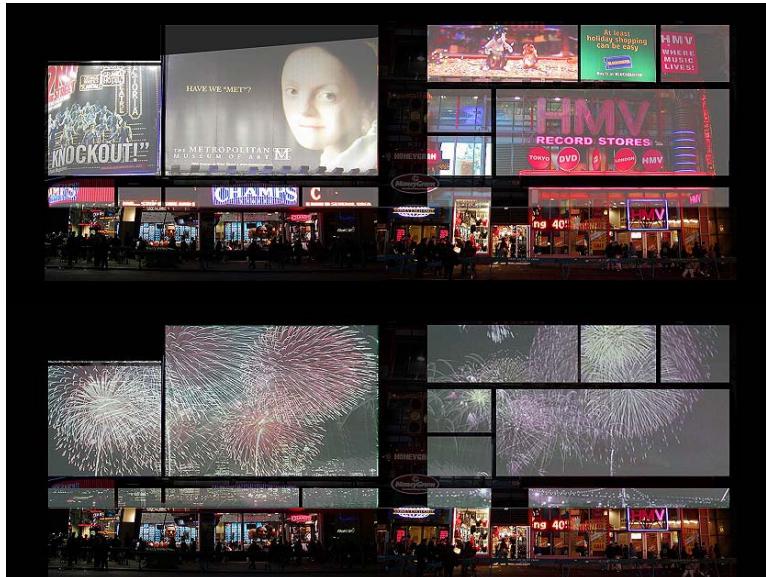
5. Meetings

- *Ubiquitous computing and wireless access*
- *Social links / Business links / Community links*
- *Places to meet or congregate that support digital access*
- *Extended working space*
- *Distributed conference center*
- *"smart threshold" -- "guarded" interface*



6. Magic /Event places

- *Street "clothes" (lights, decorations)*
- *Coordinated media dimensions of "movement", "place", and "transaction" create event setting and mood*
- *Artistic expression or political statement*



MIT/Frenchman, Geng 1/04

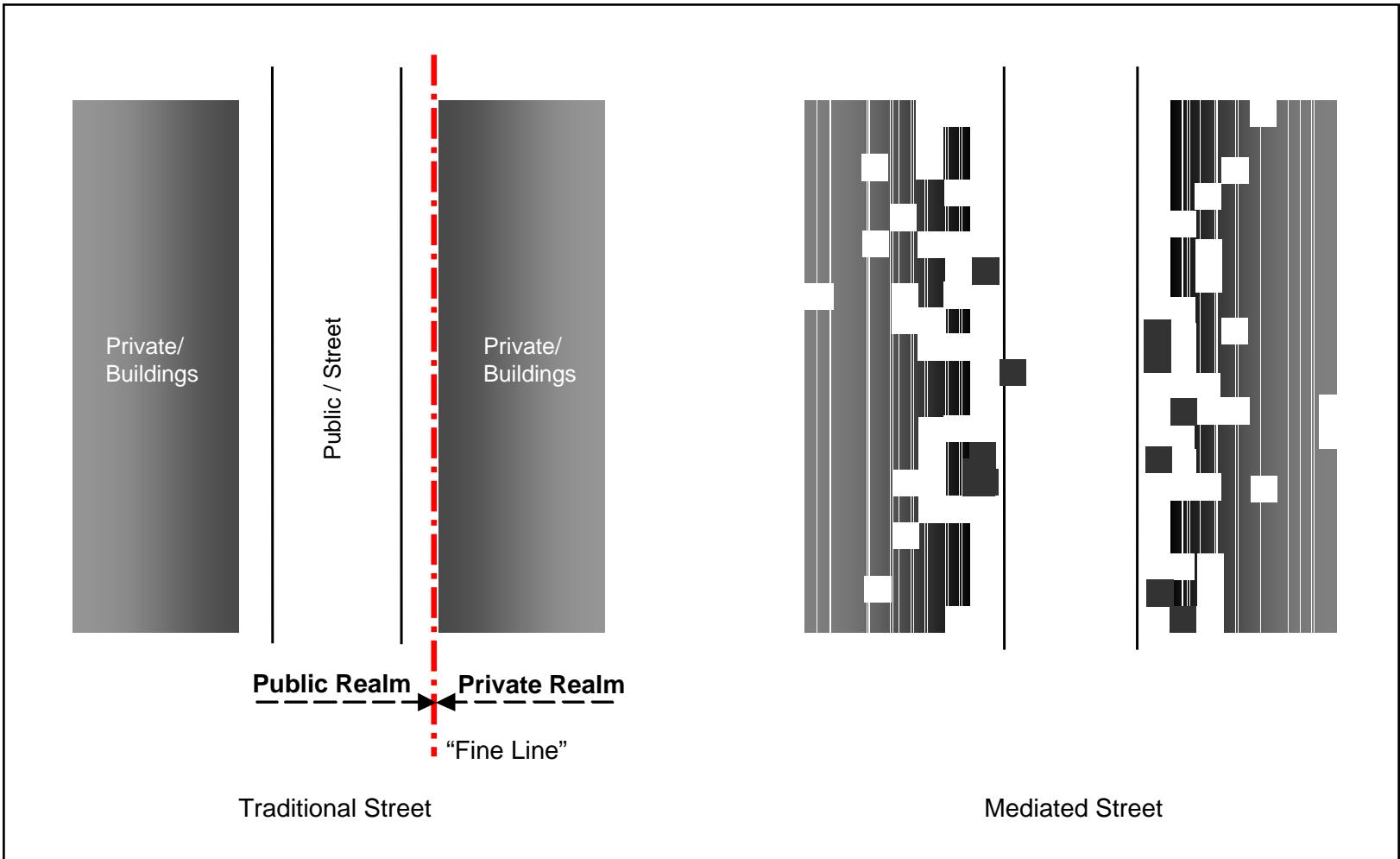


The shape of digital space

How do elements combine to affect the physical design of a place? How is it different from a conventional place?

- *New media blurs the line between public and private realms.*
- *Aspects of one realm can be found deep within the other.*
- *Most implications at edge conditions, like streets or districts.*
- *Deconstructing edges between activities, replacing them with more complex, "permeable" forms.*

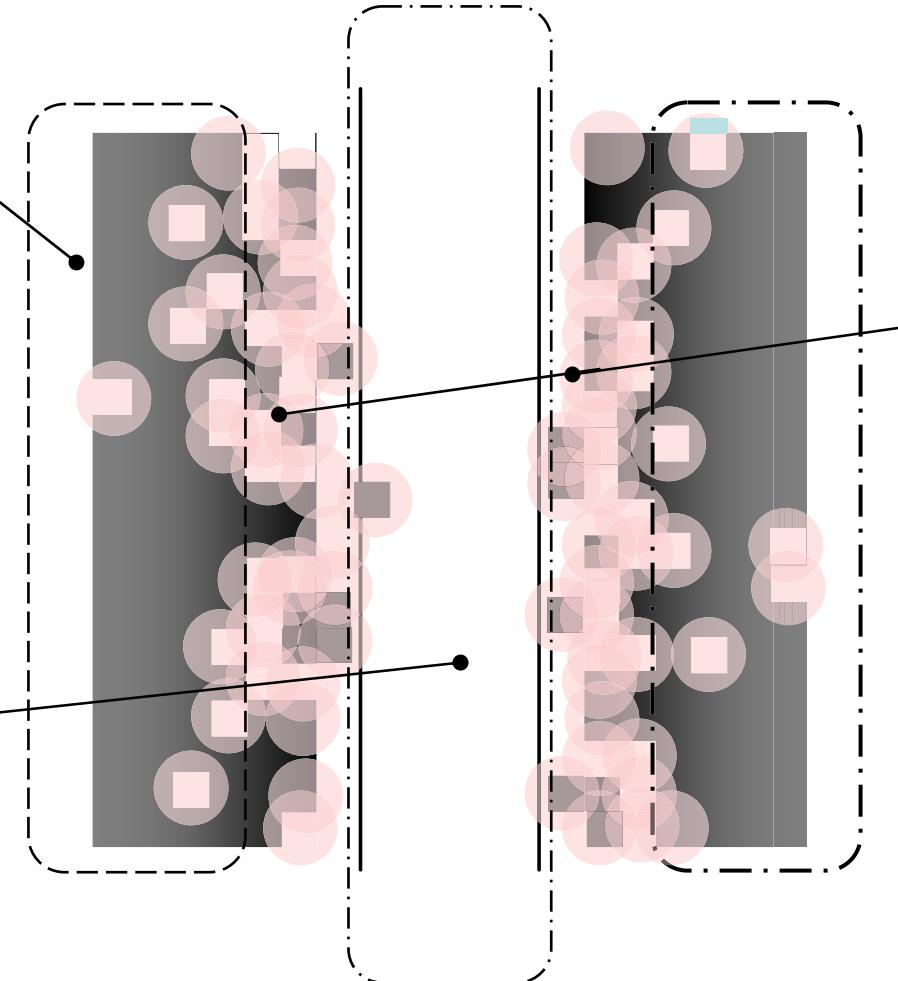
Deconstructing the edge



The permeable realm

Private realm:
content/production;
access controlled by tenant/owner

Public realm:
movement/connection;
access free but sensed,
“hyper-public”



Permeable realm:
interaction/transaction;
access by mutual consent
between provider and user;

Discussion Questions

Who has examples of new technologies in public space? What is the potential for more? What does it mean when they interconnect?

Will media reinvigorate and expand the public realm? Do successful public places have media associated with them?

How will this layering change the dynamics of use and value in the city?