CS-477
Instrumental Interaction and Co-Adaptive Systems
Course 8: Ubiquitous Computing
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ourse C	Dutline	
	Торіс	Exercises
l April	Instrumental interaction and co-adaptive systems	Deconstructing interaction
8 April	Designing instruments	Idea generation
15 April	Learning	Design ideas & scenarios
22 April	User innovation	Design scenarios
29 April	Collaborative interaction	Video prototypes
6 May	Design exploration	Generative walkthroughs
13 May	Instrument architectures	Function-interaction tables
20 May	Ubiquitous computing	Alternative video prototypes
27 May	Tangible interaction	Final video prototypes
3 lune	Final presentations	

For today

Readings:

WeiserComputer for the 21st CenturyKlokmose & Beaudouin-LafonVigo: Instrumental Interactionin Multi-Surface Environments

Activities:

Instrument design Video prototyping

What we'l	l do today
20	
30 min	Ubiquitous Computing discussion
30 min	Distributed Instrument design (course projects)
45 min	Video prototype
5 min	Conclusion and homework for next week

Ubiquitous Comput	ing: Key ideas
Weiser: The Compu	Iter for the 21st Century
Vision of the future:	
Hardware:	one person : multiple computers
	"antidote to windows"
Infrastructure:	emphasis on sharing data
	one room with 100s of computers
Interaction	disappearing computer
	scenario: magical interaction
	what should it really look like?

Ubiquitous Computing: Key id	deas
Klokmose & Beaudouin-Lafon:	VIGO: Instrumental Interaction in Multi-Surface Environments
Distributed instruments:	pick-and-drop Othello game color picker
Architectural pattern:	replaces MVC View Instrument Object - Governor

What we'l	l do today	
30 min 30 min 45 min 5 min	Ubiquitous Computing discussion Instrument design: course projects Video prototype Conclusion and homework for next week	

	Instrument	Action / Feedback	User's Goal









What we'll do today

- 30 min Ubiquitous Computing discussion
- 30 min Instrument design: course projects
- 45 min Video prototype
- 5 min Conclusion and homework for next week

	Next week: Tangible Interaction	
	Homework: - Alternative storyboards	
Papers to present:		
	Jacob et al.: Reality-based Interaction: Framework for post-WIMP interfaces	
	Mackay & Fayard: Designing Interactive Paper: Lessons from three augmented reality projects	