Ubiquitous computing

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September 14, 2010, Cali, Colombia



Ubiquitous Computing





Multidisciplinary research

I say Who's on first, What's on second, I Don't Know's on third. Well then who's on first? Yes. I mean the fellow's name. Who. The guy on first. Who. The first baseman. Who. The guy playing... Who is on first! I'm asking YOU who's on first. That's the man's name. That's who's name? Yes. Well go ahead and tell me. That's it. That's who? Yes.

-"Who is on first"





My community's approach

- Human computer interaction
- Ubiquitous/pervasive computing



Human Computer Interaction



\$ C:\>

l user l computer



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Grouping things





Making things separate





Intensity vs. Hue



The human eye has 10 times more rods than cones. This means that humans are better at interpreting changes in **intensity** rather than changes in **color**.







Humans find it difficult to perceive simultaneously highly saturated, spectrally extreme colors.



Mappings







Mappings







Feed-back & Feed-forward







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Emergence of networking

- Many users many computers
- Online collaborative systems



Making eye contact







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Perception of authority







Madeira Interactive Technologies Institute

Let me show you my lab



Welcome to my Lab





Technology, the city, and people!









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Options











Espresso Kingdom Serves Coffee, Tea... Open from 60m.... Espresso Kingdom Slide 28







hoc communications infrastructure where information can

· Most popular now, in detail

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Discrete devices

Gatecount timelines



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Power laws and exponential decays



















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Bluetooth vs. Facebook





o - Facebook x - Bluetooth









It's a small world!

On-going projects



Real-time traffic measurement





Intelligent sensing for public transport











Wednesday 1 Sep, 10pm-4am



Friday 3 Sep, 10pm-4am

Community overview





Overview of collected data



Relations | Relations | Relations

Bull to the and the



Rule: if CPU = 80 then EMAIL

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Retworks/Sensors Us	ers/Groups Bata Fill	the later					
Palaces							
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Built by the projects

Managing users and groups

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The end!

• Questions?

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