Reflecting on Weiser

Donald J. Patterson
Donald Bren School of Information and Computer Sciences
Department of Informatics
Laboratory for Ubiquitous Computing and Interaction

INF 241

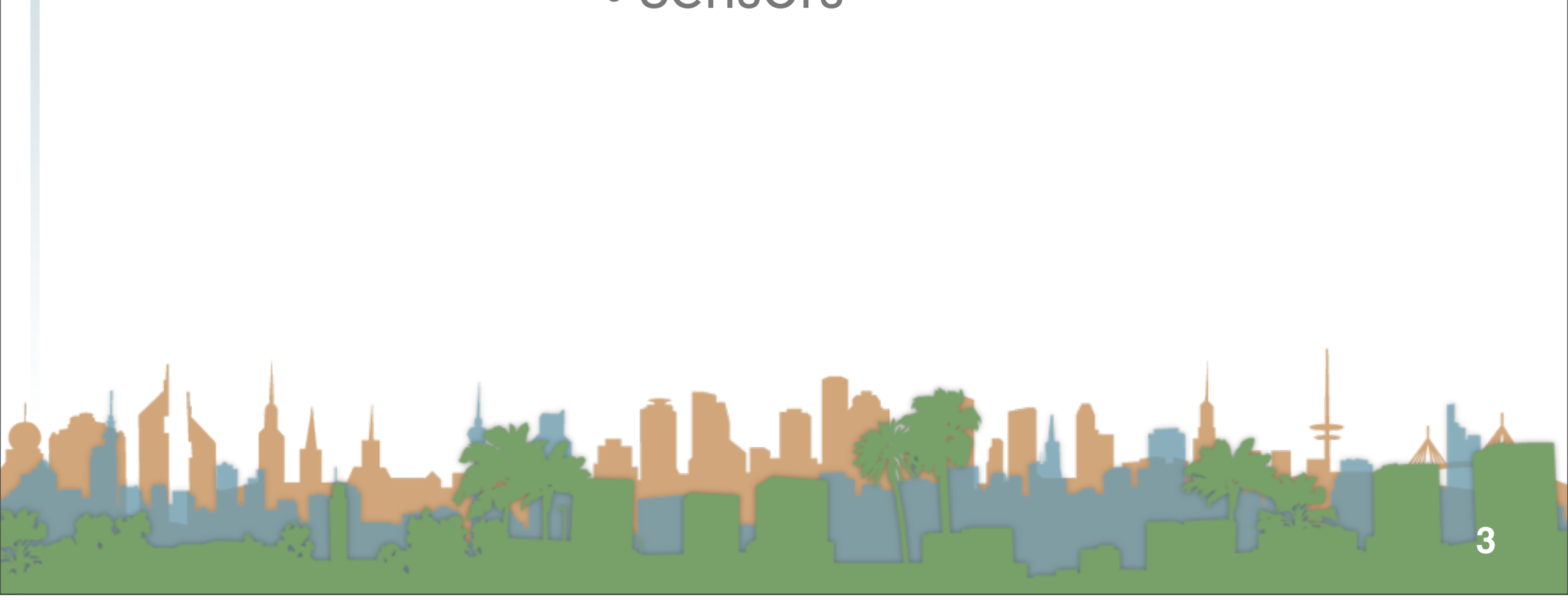
http://creativecommons.org/licenses/by-nc-sa/3.0/us/

: Writing Suggestions

- Don't
  - Stay away from writing with the goal of
    - describing what you like and don't like
    - describing whether you enjoyed the paper or not
    - talking about things in terms of generational differences
- Do
  - Feel free to take one theme from the articles and expand on it even if it means you don't talk about everything in the papers
  - Work on making the whole writing hang together as one piece of writing with good grammar and correct spelling.
  - Put your picture on your essay

Ways of Thinking about UBICOMP

- Systems
- Experience
- Sensors

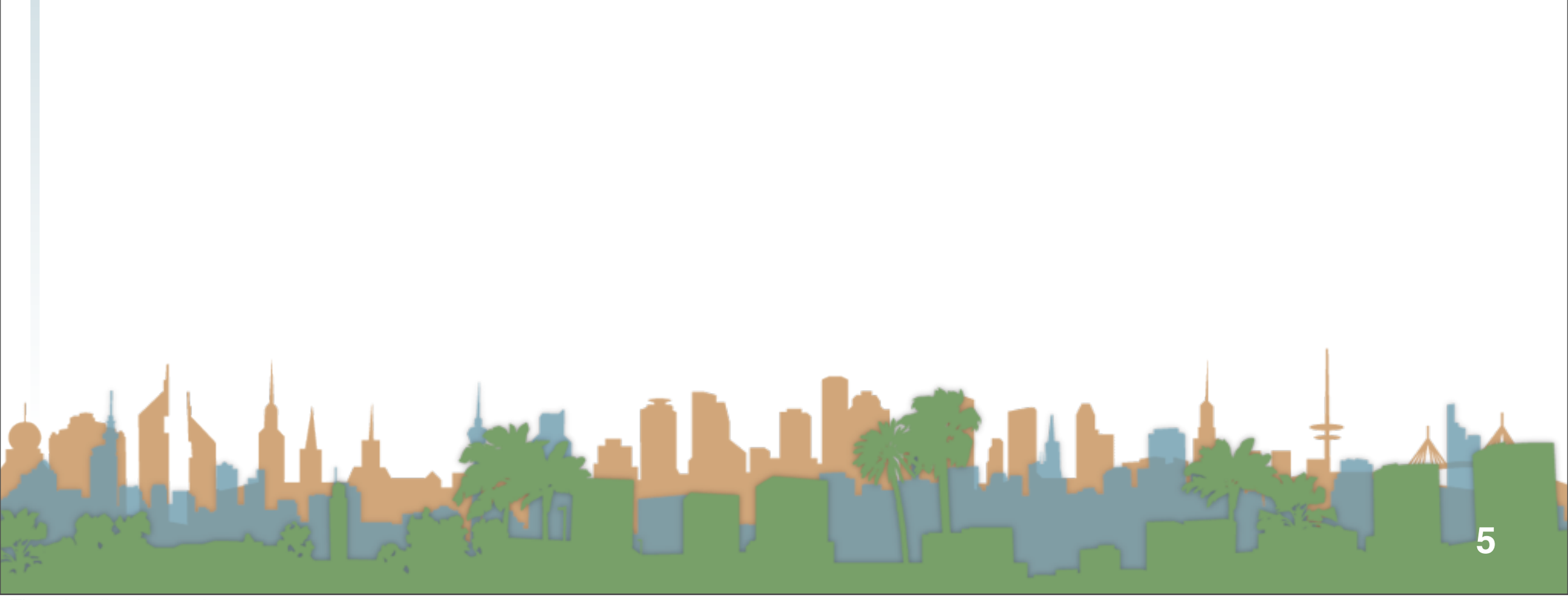


Ways of Thinking about UBICOMP

- Systems
  - Carried
  - Worn
  - Infrastructure

Ways of Thinking about UBICOMP

- Xerox Parc
  - ?



Ways of Thinking about UBICOMP

- IBM Research (mid 1990s)
  - "Pervasive Computing"
  - WAP based phone checkin system

Ways of Thinking about UBICOMP

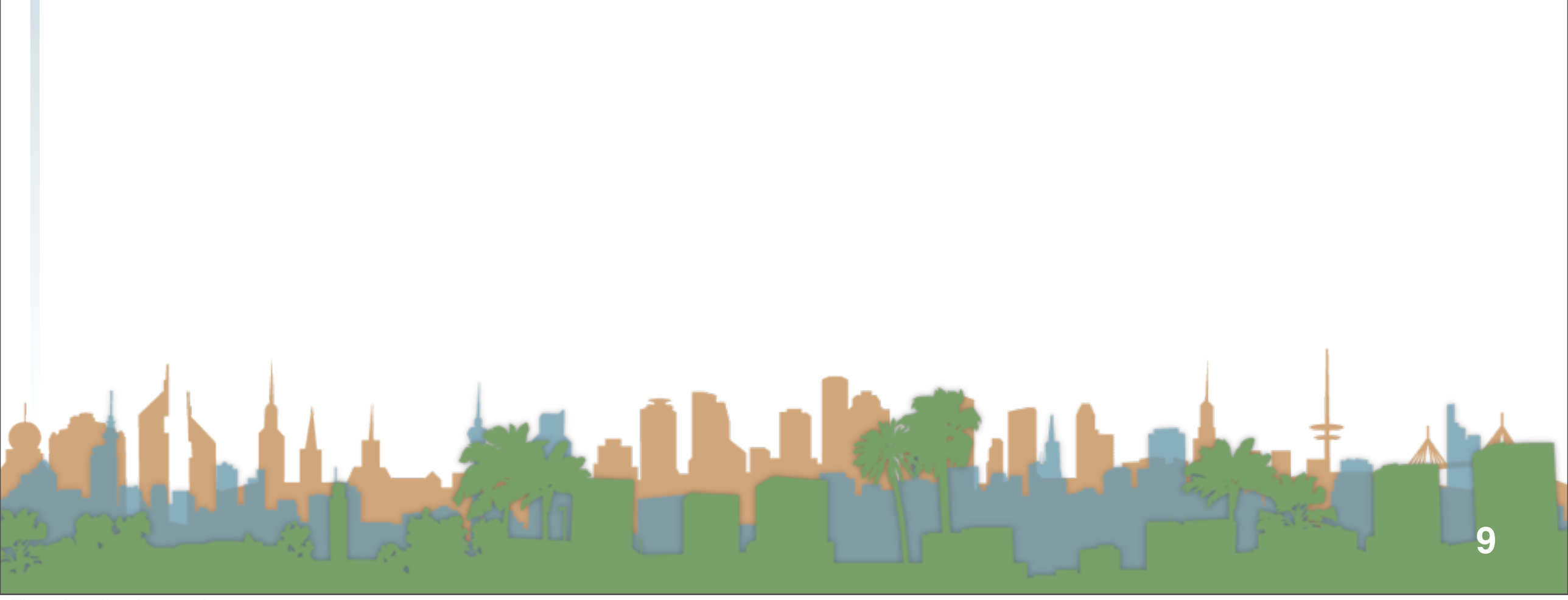
- University of Tokyo (late 1980's)
  - T-Engine and ITRON
  - Notable for elevating the role of software

Ways of Thinking about UBICOMP

- Cooltown
  - Hewlett Packard
  - First Realization of the Internet of Things

Ways of Thinking about UBICOMP

- UC Berkeley
  - Optimized info pad for consuming media



Ways of Thinking about UBICOMP

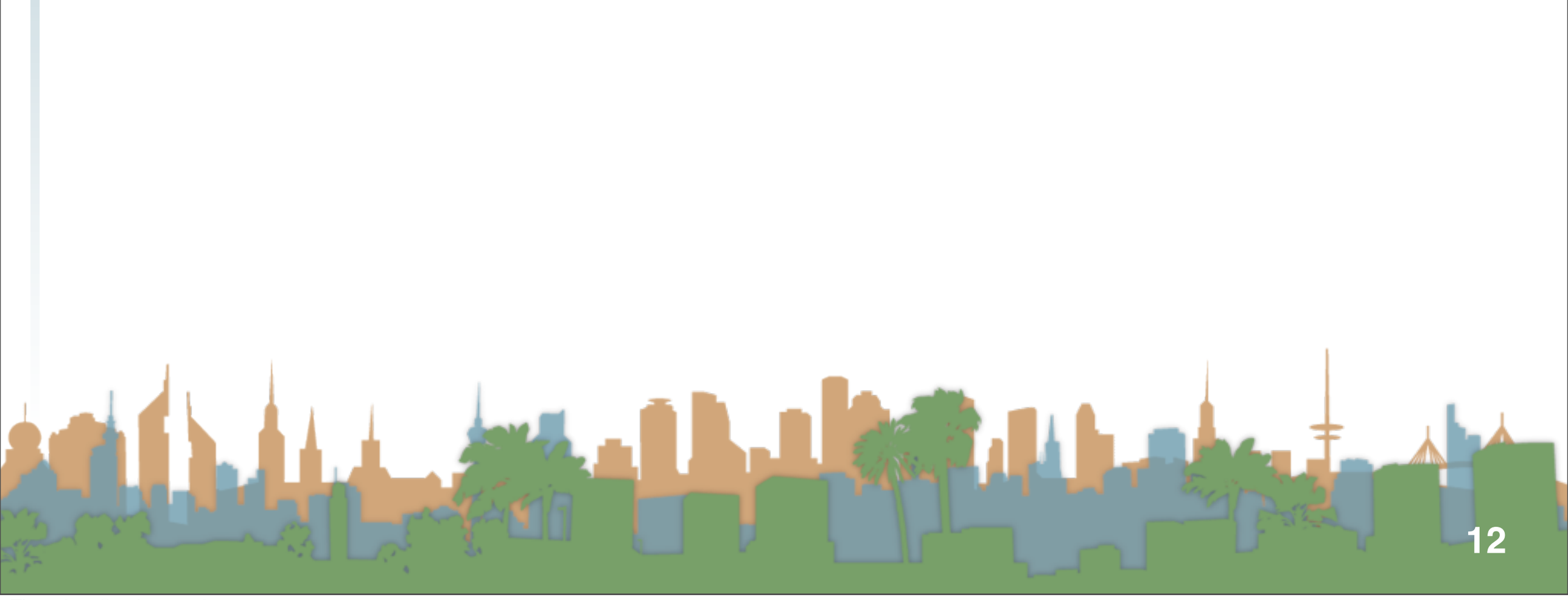
- MIT Media Lab
  - Wearable Computing
  - Heads-up Displays
  - Twiddlers

Ways of Thinking about UBICOMP

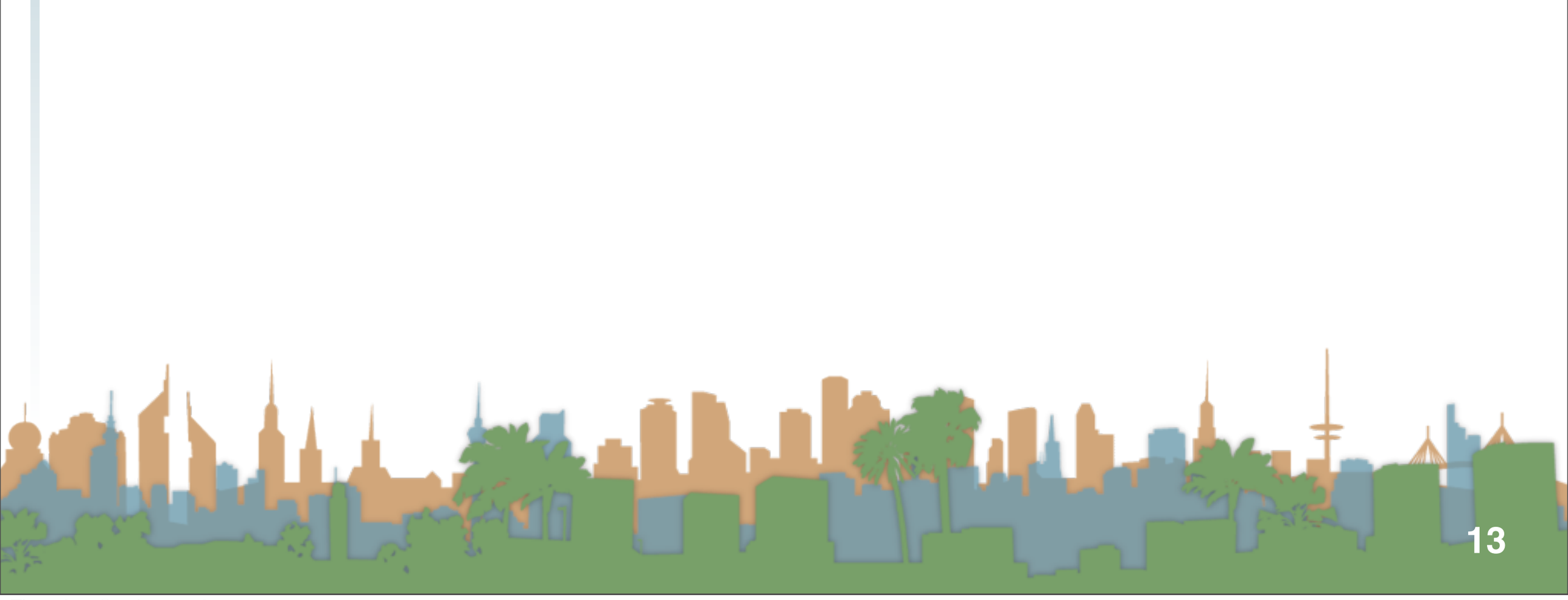
- MIT Media Lab
  - Wearable Computing
  - Heads-up Displays
  - Twiddlers

Ways of Thinking about UBICOMP

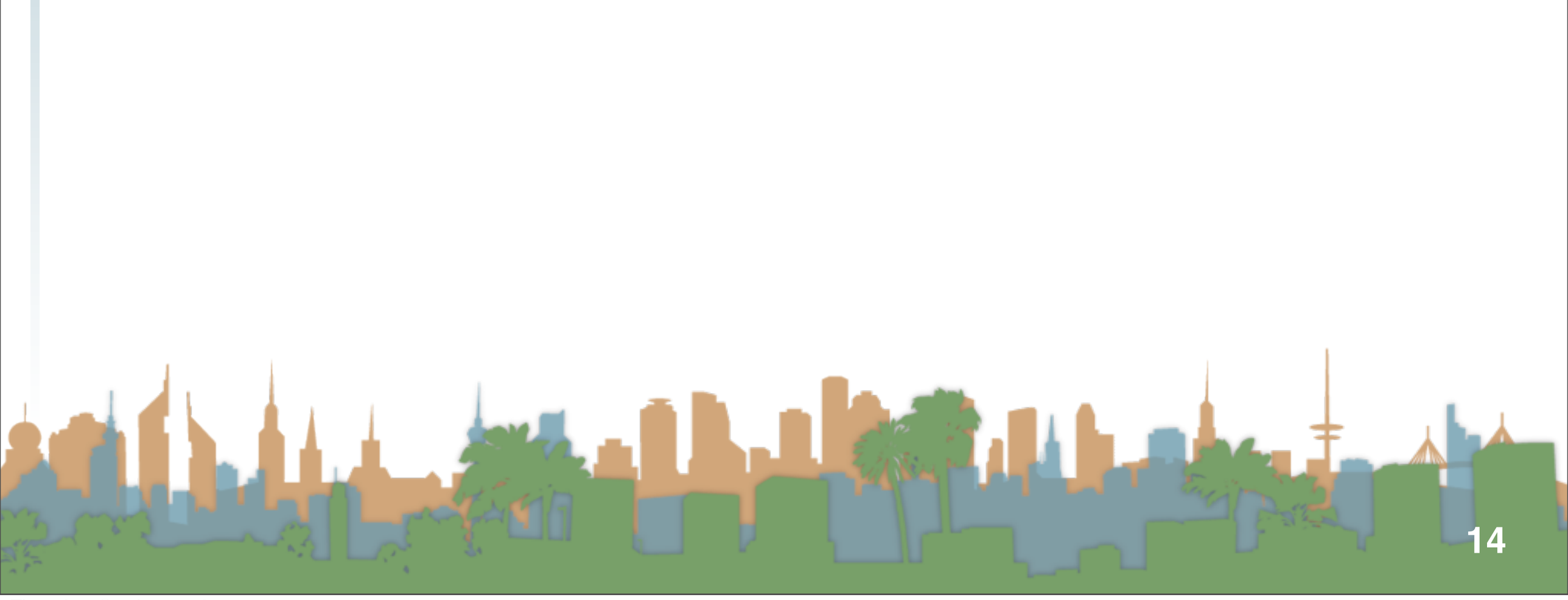
- Georgia Tech
  - Aware Home
  - Classroom 2000



"inch, foot, yard"



“Context-Awareness”

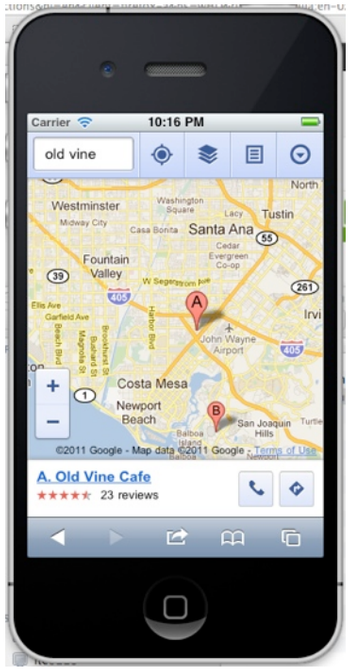


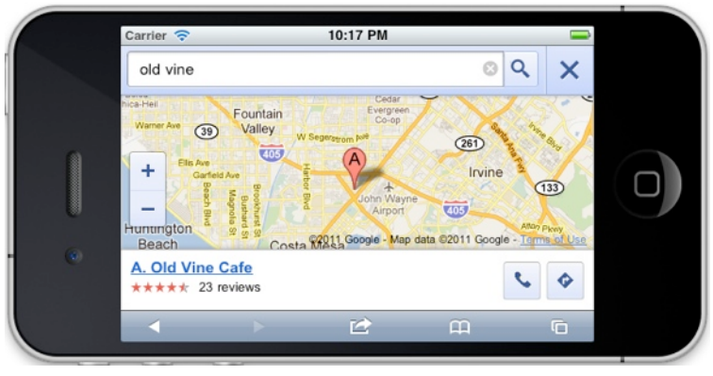
: Ubicomp is about people's relationship to computers

Ubicomp — Augmented Reality — Virtual Reality

Virtual Worlds

Mirror Worlds



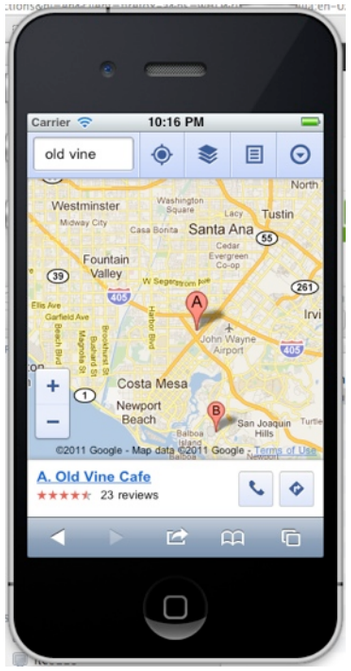


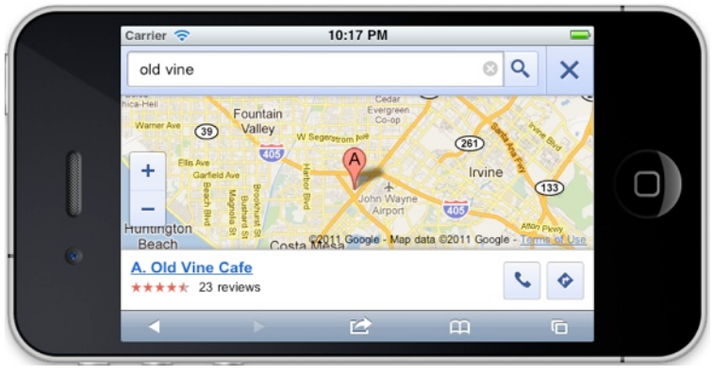
: Ubicomp is about people's relationship to computers

Ubicomp — Augmented Reality — Virtual Reality

Virtual Worlds

Mirror Worlds





[ar photo](), [vr photo](), [green photo]()

: The Computer for the 21st century

- Read Sal's Story

: The Computer for the 21st century

- What is Sal like?
- What is Sal's world like?
  - Is it a realistic world?
  - Is it a problematic world?
  - Does it require technology that we don't have?

: Yesterday's Tomorrows

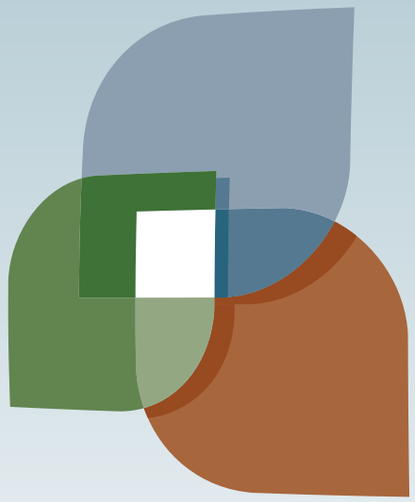
- Ubicomp is driven by a vision of the future
  - As opposed to what?
- A vision of people, practice and technology
  - anticipating future trends and future needs
- Also set a rhetorical tone
- "How should we understand the relationship between ubiquitous computings envisioned future and our everyday present?"

: Yesterday's Tomorrows

- The "proximate future"
  - "absolves researchers from the problems of the present"
  - Why is our vision of the future still the same as Weiser's?
  - Why has it not come to pass?
    - It can never come to pass
    - It has already passed
- The case of Singapore
  - censorship
- The case of Korea

: Yesterday's Tomorrows

- Infrastructures are messy
- They need to be maintained
- They are a site of relationship renegotiatlon
- Read notes in conclusion



LUCI

Thursday, October 4, 12