

CS449/649: Human-Computer Interaction

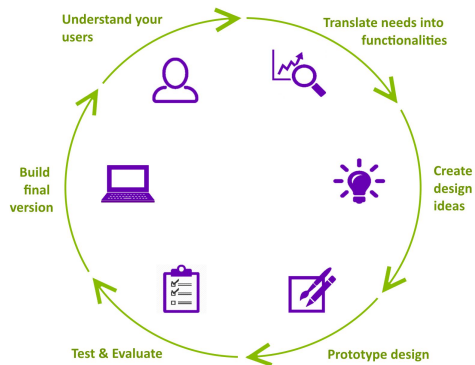
Winter 2018

Lecture XIX

Anastasia Kuzminykh

User Centered Design Process

January 4 - March 1



History of user centered design in HCI
March 6, March 8



Academic HCI
March 13, March 15



Special topics in HCI
March 20, March 22

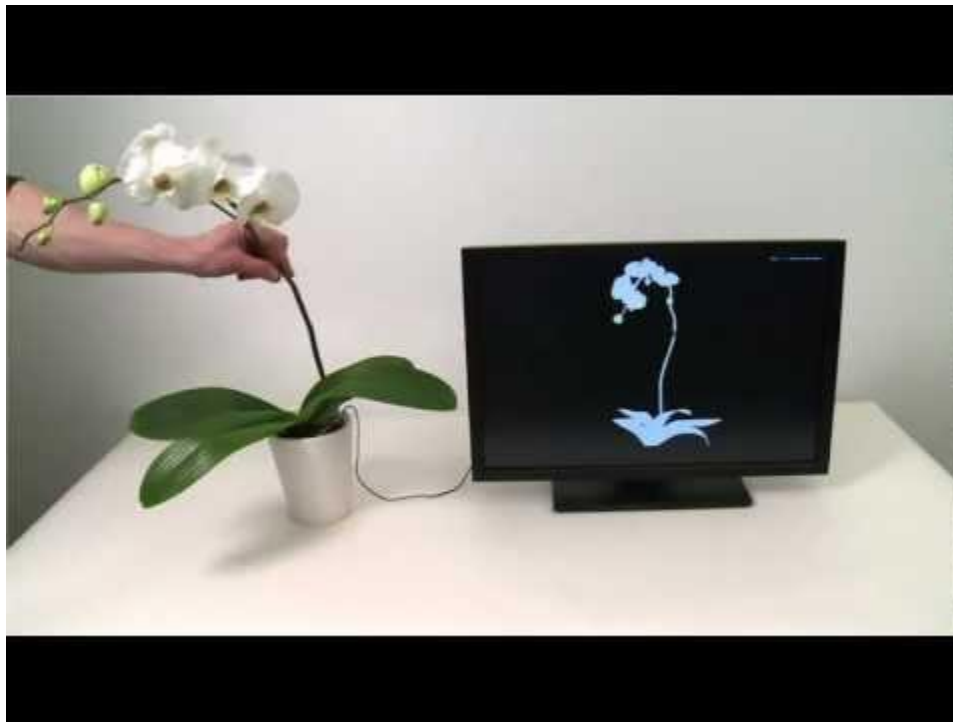


Course Review
March 27



Presentation 2
March 29

Last class
April 3



[Botanicus Interacticus: Interactive Plant Technology](#)



Academic HCI



Jeff Avery
on interaction techniques in HCI



Academic HCI

HCI for Development (HCI4D) -

area concerned with understanding the use and appropriate design of information and communication technologies (ICTs) in the context of developing regions

The first workshop on user-centered design and international development at CHI 2007 - Dearden, Andy, et al. "[User centered design and international development.](#)" *Extended Abstracts on Human Factors in Computing Systems*. ACM, 2007.

Ho, Melissa R., et al. "[Human-computer interaction for development: The past, present, and future.](#)" *Information Technologies & International Development* 5.4 (2009)

Kumar, Neha, et al. "[Development consortium: HCI across borders.](#)" *Extended Abstracts on Human Factors in Computing Systems*. ACM, 2016.



CHI 2017 [SIGCHI Social Impact Award: Indrani Medhi Thies](#) - Designing for Low-Literate Users



Academic HCI

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Academic HCI

One Laptop Per Child (OLPC) project -

non-profit initiative to enable children in low-income countries to have access to content, media and computer-programming environments.

Nicholas Negroponte, Seymour Papert, Alan Kay and colleagues

1967

Seymour Papert, et al. introduce Logo, the first programming language written especially for children

1968

Alan Kay first describes proto-laptop, later called the Dynabook

1980

S. Papert, "Children, Computers and Powerful Ideas", a guide to his theories of constructionism and computing for kids.

1982

N. Negroponte & S. Papert distribute Apple II microcomputers to children in a suburb of Dakar, Senegal.

1988

Constructionist program that includes the training of a dozen Costa Rican teachers at MIT

2002

20 children in a remote Cambodian village are provided with connected laptops

2005

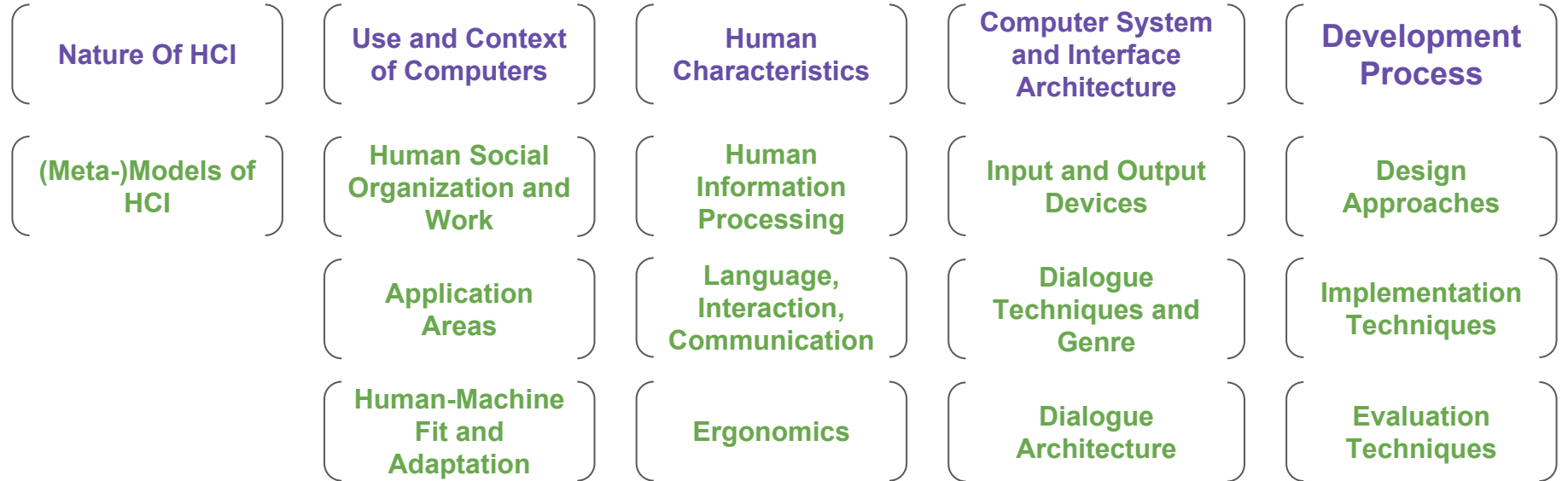
The idea and first prototypes of OLPC is presented

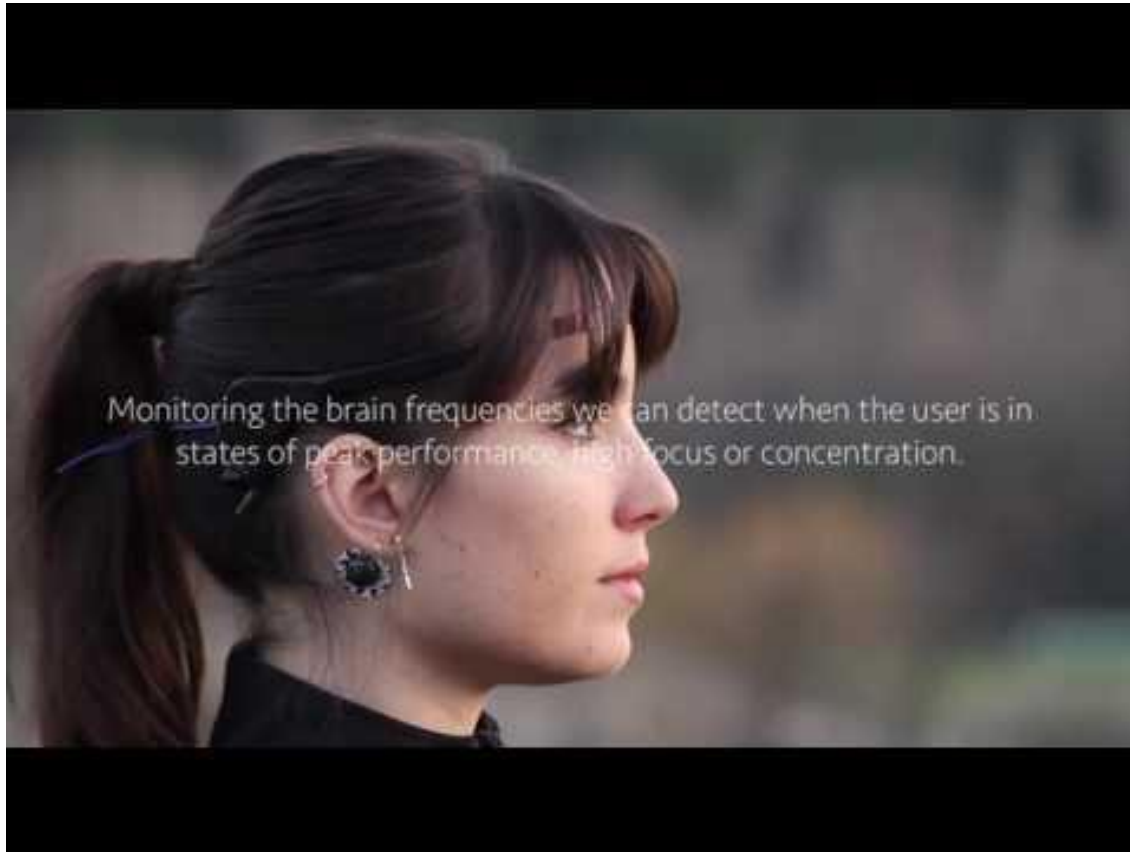




Academic HCI

Content of HCI field





J. Amores et al. [“Essence: Olfactory Interfaces for Unconscious Influence of Mood and Cognitive Performance”](#), CHI’17

CHI 2017

DENVER, CO, USA | MAY 6-11

