Fundamentals of Situated Interaction

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Course Information

Seminar format

Discovering the principles of situated interaction:

Instrumental Interaction

Reification

Polymorphism

Reuse

Substrates

Human-computer partnerships (Reciprocal co-adaptation)

Class activities

Lectures on key concepts

(Michel & Wendy)

Exercises: Generative Deconstruction

Deconstruct systems

Generate novel design ideas

Seminar presentations

Read 2 related papers (solo)

Create I iMuseum exhibit (pair)

Lead group discussion (all)

(AII)

(Students)

Grades

Exercises and

Class participation

= 30%

(individual)

iMuseum entries

= 30%

(individual)

iMuseum exhibit

& class discussion

= 40%

(pair)

Who are we?

Wendy MACKAY

Research Director, Inria

Head of ExSitu research lab at Inria

Michel BEAUDOUIN-LAFON Professor, Univ. Paris-Saclay Former head of Computer Science Department, member of ExSitu

Focus on Human-Computer Interaction

to augment human capabilities

to generate novel forms of interaction

to explore the next generation of interactive systems







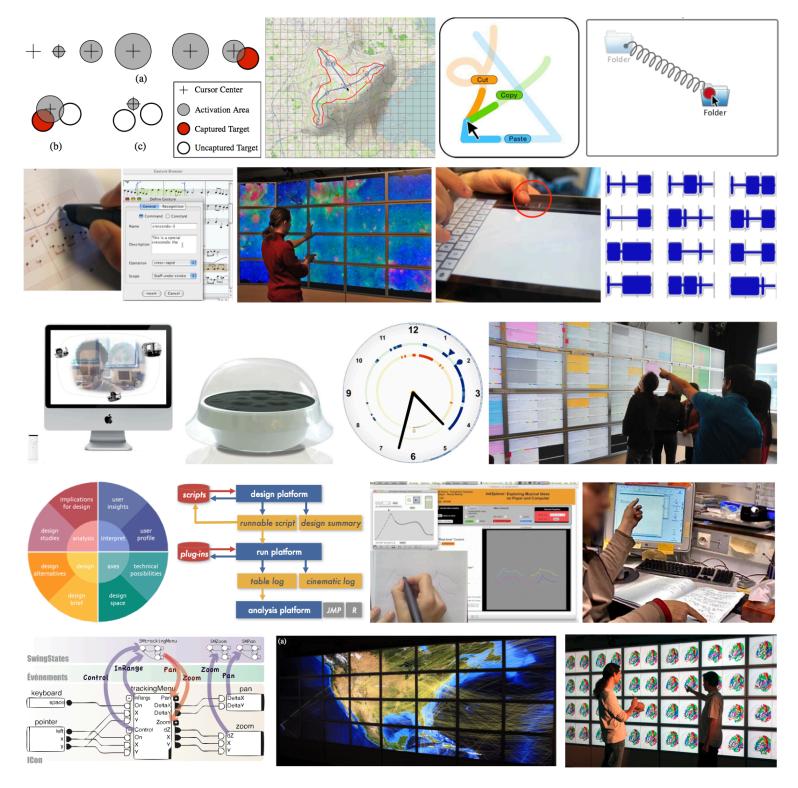


Interaction paradigms

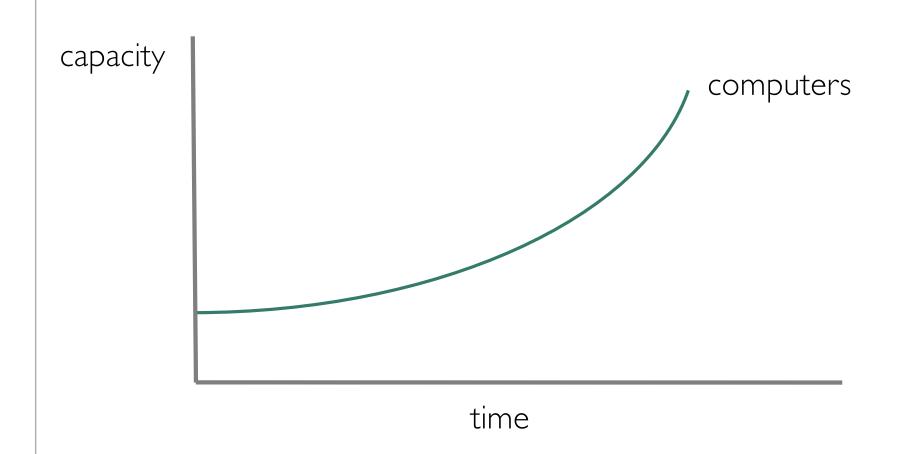
Participatory design

Distributed comunication

Engineering platforms

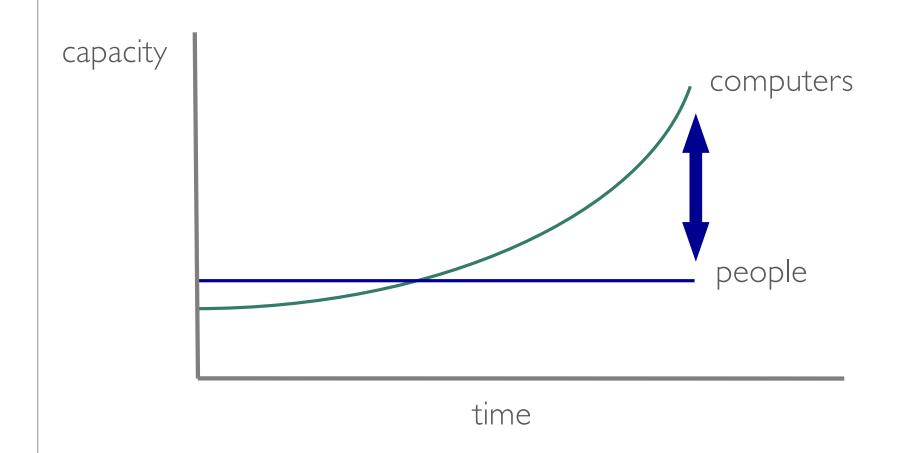


If computer capacity and functionality are increasing

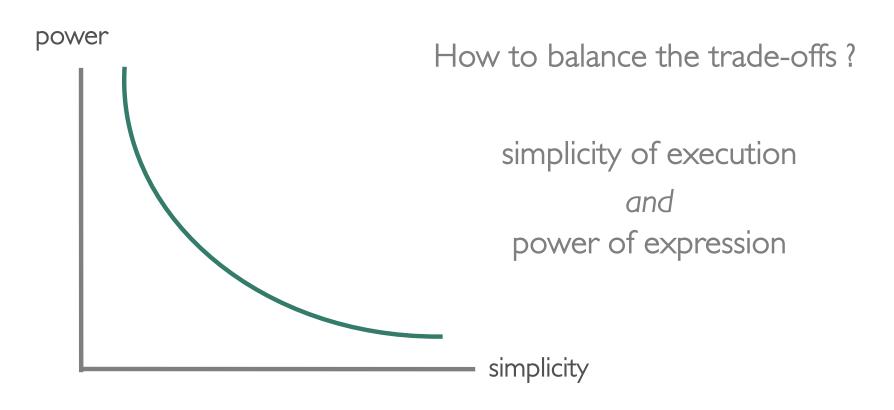


If computer capacity and functionality are increasing

... human capabilities are not

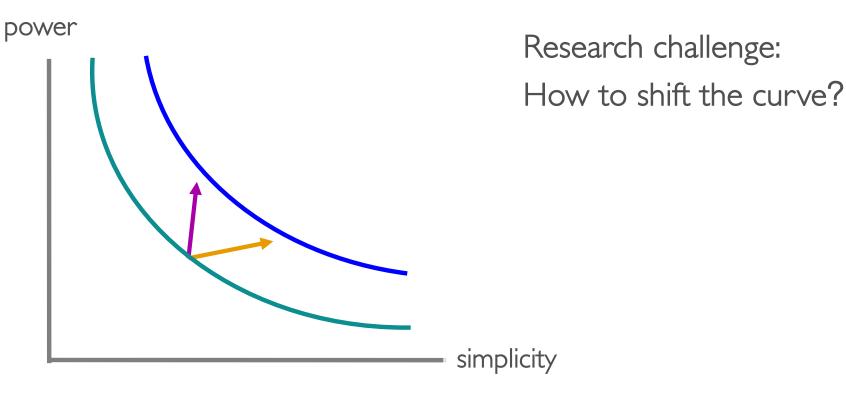


We face a major design trade-off



Power vs. Simplicity

Power vs. Simplicity



Simple things should be simple, Complex things should be possible