

## **Basic Ideas in Human Technology Interaction**

Cato A. Bjørkli

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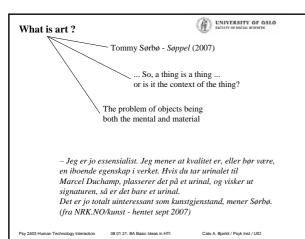
## **Basic Ideas in HTI**

- · Aim of this lecture
  - Explore some basic ideas and perspectives of HTI
  - Examples
  - Models
  - Perspectives

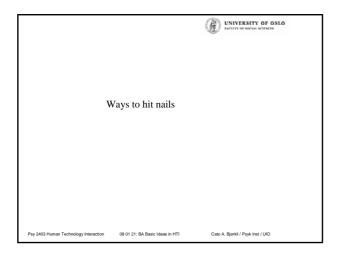
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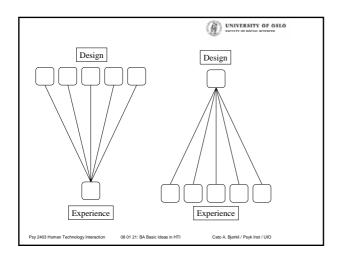
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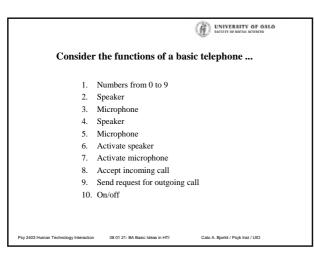


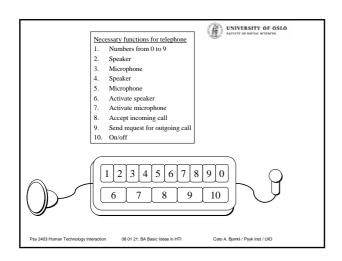


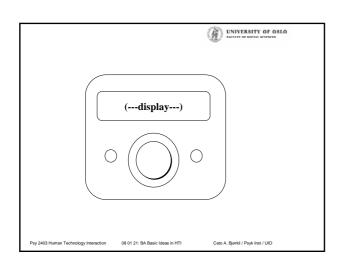








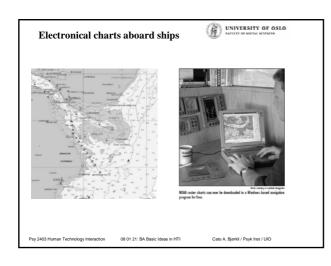


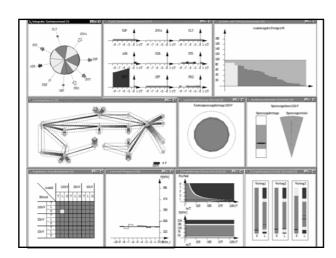


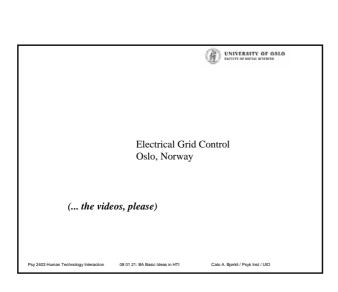


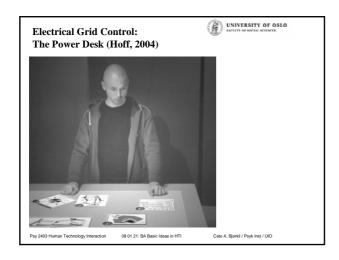
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marble answering machine	
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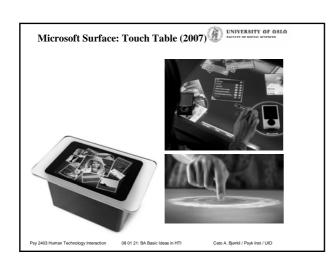
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BMW iDrive UNIVERSITY OF OSLO	
"The iDrive concept and the Control Display enable easy	
operation of, and convenient access to, the myriad of features at the drivers disposal, including the navigation, telephone, climate	
control and entertainment systems."	
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INTEREST OF OSLO	
<u>Complex systems:</u> More people,	
More technology, More resources at stake	





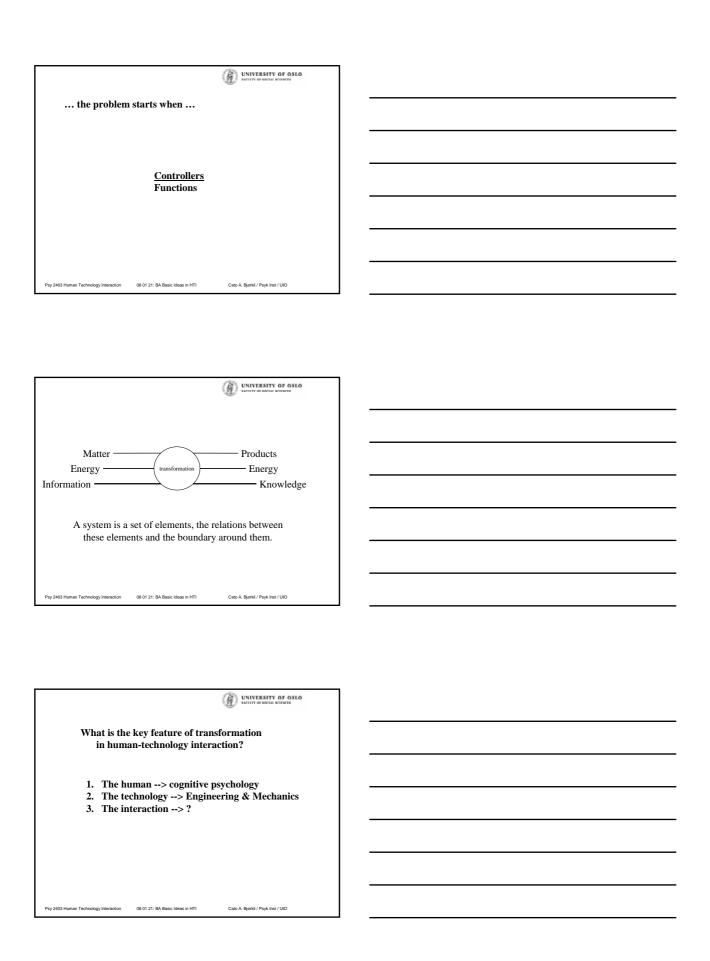


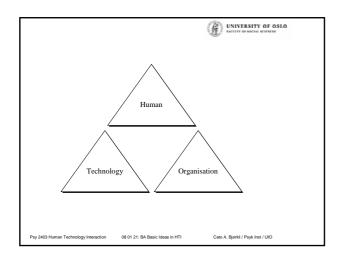


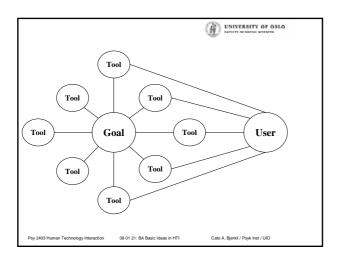


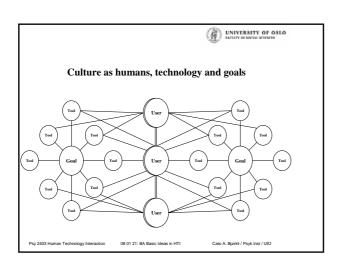


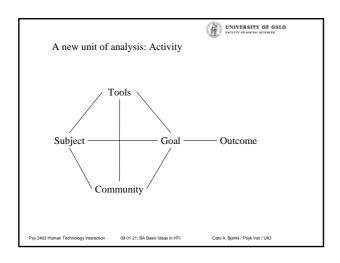
Models, Perspectives, Reflections

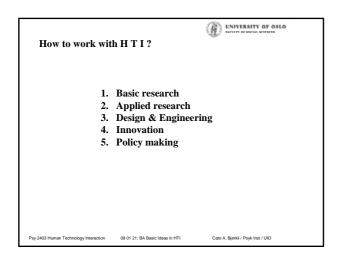


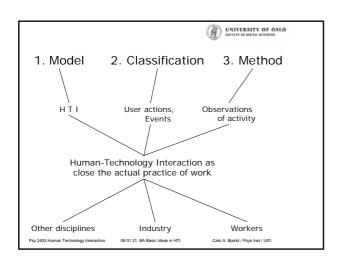


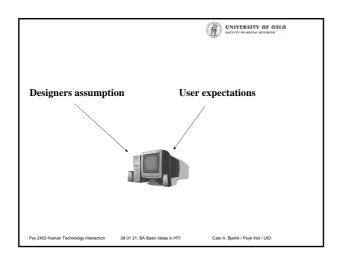














## ... to define design ...

"Design is provide what the user wants and needs" "Design is to facilitate human performance" "Design is to ensure usability"

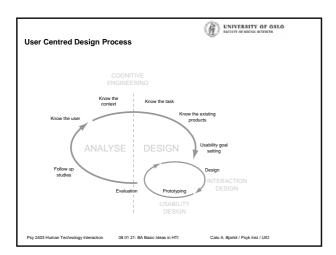
- Use-centered approach (alternatives?)
- Where do we enter the design-cycle?
- What kind of knowledge and info do we need?

"Before the system can be built it must be specified" Faulkner, p.90

"Human-centred research (and design) is problem driven"

Woods and Sarter (2000), p.339

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The physical separateness of objects and users do not necessarily imply an analytical separateness of functions and performance	
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