



Program

- Introduction Human-Computer Interaction (HCI): What? Why? When?
- Usability principles
- · Characteristics of interactive systems
- Human factors in the HCI
- · User centered design and iterative design process
- User and task analysis
- Sketching and prototyping
- Interaction design principles
- Interaction styles
- Graphic design
- Interaction paradigms
- Evaluation techniques
- Future perspectives

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HCI – Why?	
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HCI – Why?

- Systems must be robust and consistent.
- Must be prepared for the target users.
- Must support careless usage.
- Should be helpful => help to complete a task instead of creating extra obstacles.
- Interface design shouldn't be handled in the last minute.
 - Interface must be developed along with the rest of the system.

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User interfaces are hard to design

- · The user is always right
 - if users have problems with an aspect of the interface, then there must be something wrong with it
- The user is not always right
 - user interface design can not be derived just by asking users what they would like. Users often don't know what is good for them. (ex: Klemmer, *Ergonomics, Ablex, 1989, pp 197-201*).
- Users are not designers
 - they don't come up with design ideas from scratch
 - they react to concrete designs they do not like
 - so, we should present suggested designs in a form users can understand (prototypes)

(ex: Grudin & Barnard, "When does an abbreviation become a word?", CHI '85)

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