

# What is “Human-Computer Interaction”

HCI is "concerned with the design, evaluation, and implementation of interactive computing systems for human use and with the study of the major phenomena surrounding them" — ACM SIGCHI '92

## Why care?

- Computing technology is not just for the “tech elite”
- There are real human consequences to technological decisions made by designers
- Better designed products frequently sell better
- In some cases, it’s the law!



**BannerWeb: Self-Service Access to Banner**

Personal Information **Faculty Services** Employee Finance Student Financial Services

Search:   RETURN TO MENU SITE MAP HELP EXIT

**Faculty Services**

**Term Selection**  
Use this link to change the term with which you are working.  
MIDBURY and Middlebury terms are both available. Middlebury Institute at Montpelier terms include "MID" Middlebury terms do not.

**GRADES:**

**Grade Roster for ALL Students**  
Middlebury undergraduate grades are due by noon on Friday, May 1st.  
**Faculty Grade Summary**  
Your record of grades submitted and grades made after the early deadline.

**Course Selection: Course Reference Number (CRN)**  
Use this link to change the course with which you are working.

**Registration Overrides**  
**Faculty Detail Schedule**  
**Faculty Schedule: Week at a Glance - by Day and Time**

**Detail Class List**  
**Summary Class List**  
**Downloadable Class Roster**  
Class roster made for import into excel or other programs.  
**Detail Wait List**  
**Summary Wait List**

**Student Advisee Information Menu**  
View Advisee and their student information, transcripts, and course schedules.

**Degree Progress Worksheets - Access your advisee's progress toward the degree.**  
Middlebury College Chairs, Program Directors, and Advisee please contact the Registrar's Office with any questions or exceptions needed.  
"Will Records Office and Advisee currently leading."

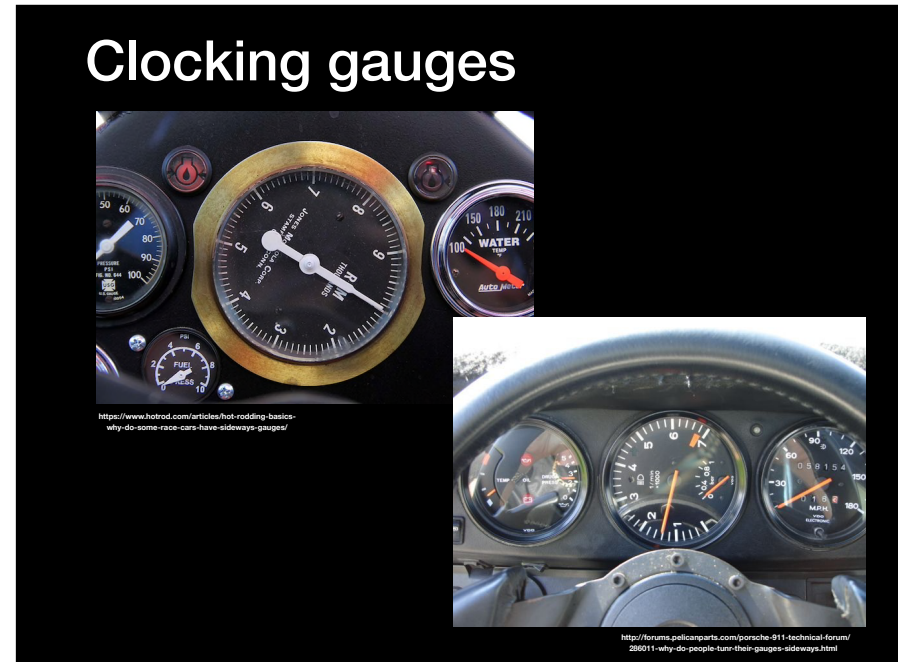
**Middlebury Fall Schedule**  
**Middlebury Winter Schedule**  
**Middlebury Spring Schedule**  
**Middlebury Scheduling Office Web Page - Class & Exam Schedule**  
**Middlebury Web Catalog**  
Get the entire menu of the Middlebury Course Catalog with course descriptions, prerequisites, etc.  
**Middlebury Registrar's Office**  
**List of Departmental Overrides and Approvals**  
List of all overrides approved for courses within a school and during Middlebury Web Registration.

**Middlebury Institute at Monterey Fall Schedule**  
**Middlebury Institute at Monterey Summer Schedule**  
**Middlebury Institute at Monterey Spring Schedule**  
**Middlebury Institute at Monterey Records Office**

**Course Registration Counts**  
Course Registration counts by department. Available for Department Chairs, Program Directors, and Academic Deans only.  
**Current Advisee List**  
View list of current advisees and their reggen. For Web Registration view Alternate PIDs from list.  
**Proposed Teaching Load**

**RELEASE: 8.8.1**

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# Dashboard of the future?



Tesla

# Historical context

Big idea: Tasks and work can be broken down, analyzed and designed

Basic Task Analysis

1900

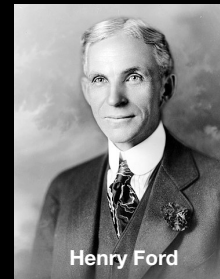
# Historical context



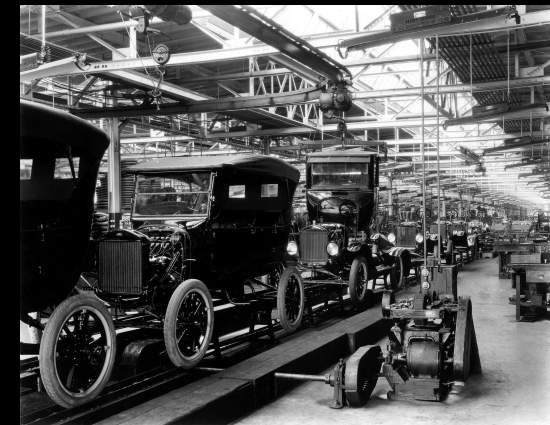
Basic Task Analysis

1900

# Historical context



Henry Ford

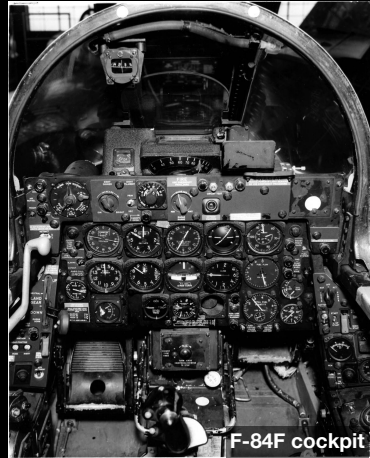


Basic Task Analysis

1900

# Historical context

Dawn of Human Factors



F-84F cockpit

Applied psychology

<https://www.nationalmuseum.af.mil/Upcoming/Photos/igphoto/2000544682/>

1940 1950

# Historical context

Douglas Engelbart



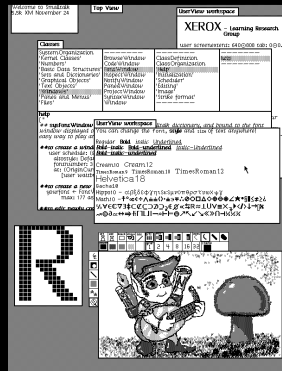
Mother of all demos

1968

# Historical context



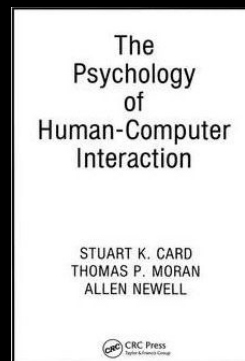
Xerox Alto



[https://en.wikipedia.org/wiki/Xerox\\_Alto#/media/File:Smalltalk-76.png](https://en.wikipedia.org/wiki/Xerox_Alto#/media/File:Smalltalk-76.png)

1973

# Historical context



ACM includes HCI as a core area

Dawn of HCI

1980 1990