CMSC 828F
Intro to HCI (Grad)

Future interactive devices from IDEO

François Guimbretière
CSI 2120 Tue-Thu 2:00 - 3:15
CMSC 838G Administrivia

- **Instructor**
  - François Guimbretière

- **Human computer interaction**
  - Paper based computing
  - Pen based interactions
  - Information Visualization

- **Office hours (Room 3267 AVW):**
  - Tue/Thu 10:00am – 11:00am
  - *or* by email any time: francois@cs.umd.edu
  - *or* by appointment
Project I have been working on

• PostBrainstorm
  – UIST’01 video

• Crossing based interface
  – UIST’04 video

• Proof-reading tool
  – UIST’04 video (demo)
Student info

• Name, e-mail

• Are you taking the class for credit?
  – Comps?

• Why are you taking the class?
  – Goals
    – Topics you would like to be covered in the class

• Background?

• Additional comments
What you will learn

- Experimental design
  - User study fundamentals
  - Basic experimental designs
  - Non-traditional experimental designs
  - Interpretation of experimental results

- Theory
  - Perception
  - Human performances
  - Information Processing Model
  - Activity theory
  - Working in group
Work load

• Reading
  – Textbooks and papers
  – ~2-4 papers per class
  – Readings are considered understood if no questions are asked

• In class presentation and discussion
  – Heavy participation is expected
  – Project presentations

• Homework
  – Small experimental replications

• Project
  – 1 project, 3 checkpoints
  – Project proposal due Sep 16
Resources available

• 3D printing
  – MicroScribe measurement arm
  – ZPrinter 310

• Eye tracking
  – Available later this semester
How you will be evaluated

• 10% Participation
• 15% Homeworks
• 15% Presentations
• 40% Final project
• 20% Final

• Check the syllabus about academic Honesty
Texts

• **Required texts**
  – HCI Models, Theories, and Frameworks (J. Carroll)
  – Doing Psychology Experiments, (D. Martin)

• **Recommended text**
  – Explaining Psychological Statistics (B. Cohen)

• **Course web sites:**
Reading for Next class

• Check the web page