Human-Computer Communication

Instructor: Bipin Indurkhya (bipin.indurkhya@uj.edu.pl)

Aim: This course will focus on elements of interaction design. We will learn how to design considering form, content and behaviour together. We will also look at the current issues in Human-Computer Interaction design, and study various kinds of new interface technologies being developed.

Text book: About Face: The Essentials of Interaction Design by Alan Cooper, Robert Reimann and David Cronin
We will also read various research papers from recent conferences on Computer-Human Interaction

Contents:
1. Goal-directed design
2. Implementation models and user mental models
3. Understanding and modelling users: Personas and goals
4. Design foundation: Scenarios and requirements
5. Designing behaviour and forms
6. Platforms and postures
7. Eliminating excise
8. Visual interface design
9. Designing interaction details
10. Designing for different needs
11. Human-robot communication
11. Survey of some current human-computer communication designs

Format: 30 hours lecture + 30 hours lab

Project: You will do a design project in this class.