



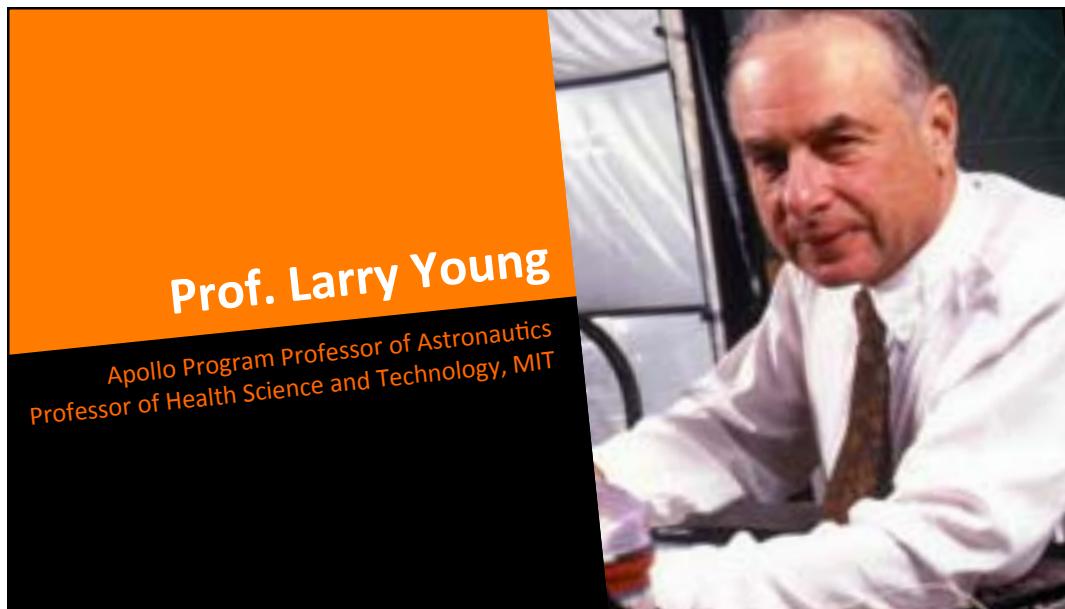
The slide contains two main sections. On the left is a portrait photo of Hyowon Lee, a young man with glasses and dark hair, wearing a green polo shirt. On the right is her biography. The biography section has an orange header with Korean and English names, followed by her education details, expertise, and a list of three bullet points.

李孝源  
이효원  
**Hyowon Lee**

B.Eng in Computer Science (Seoul, Korea)  
M.Sc in Information Science (Aberdeen, U.K.)  
Ph.D in Computer Science (Dublin, Ireland)

Expertise:

- Human-Computer Interaction (HCI)
- Interaction Design
- Information Visualisation



## WHAT WILL WE LEARN TODAY?

- Learn what we will learn in the course
  - Human-Computer Interaction (HCI)
  - Interaction Design
  - Usability
  - User-Centred Design
  - User Experience (UX)
  - Usability Testing
  - :

## Course Orientation

- Design-centric
- 1 term-long project
- 1 final exam (27 April)
- Structure
  - Week 1-6: Concepts, principles, guidelines, methodology, UI evaluation methods...
  - Week 8-13: Design studio



## Course Orientation

	Monday (11:30am – 1pm)	Tuesday (4:30 – 6pm)	Thursday (11am – 1pm)
<b>Week 1</b> (23 Jan)	Introduction/ background	User classification	Project overview, team up
<b>Week 2</b> (30 Jan)	CNY holiday	UI design concepts	Project - scoping
<b>Week 3</b> (6 Feb)	UI design concepts	UI design concepts	Project - scoping
<b>Week 4</b> (13 Feb)	UI design concepts	Understanding Users (Industry)	Project - scoping
<b>Week 5</b> (20 Feb)	UI concepts / Impact	Evaluation	Project
<b>Week 6</b> (27 Feb)	Evaluation	Evaluation	Mid-term report/presentation
<b>Week 7</b> (6 Mar)	Recess Week		
<b>Week 8</b>	Project	Project	Project

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<b>Week 9</b> (20 Mar)	Project	Project	Project
<b>Week 10</b> (27 Mar)	Prof Young Special Lec 1	Prof Young Special Lec 2	Project
<b>Week 11</b> (3 Apr)	Prof Young Special Lec 3	Prof Young Special Lec 4	Project
<b>Week 12</b> (10 Apr)	Project	Project	Project
<b>Week 13</b> (17 Apr)	Project	Project	End-term report/presentation
<b>Week 14</b> (24 Apr)	Final Exam		



Course Orientation				report/presentation
<b>Week 7</b> (6 Mar)				Recess Week
<b>Week 8</b> (13 Mar)	Project	Project	Project	
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Course Orientation		Assessment
<b>Mid-term presentation and report</b>		<b>20%</b>
Presentation		5%
Report (project scope, vision, design rationale)		15%
<b>Final presentation, report, demonstration</b>		<b>30%</b>
Presentation		10%
Report		10%
Design rationale		10%
Evaluation		10%
<b>Continuous assessment</b>		<b>30%</b>
In-class activity		10%
Participation, progress, discussion		20%
<b>Final exam</b>		<b>20%</b>



### By April, we will...

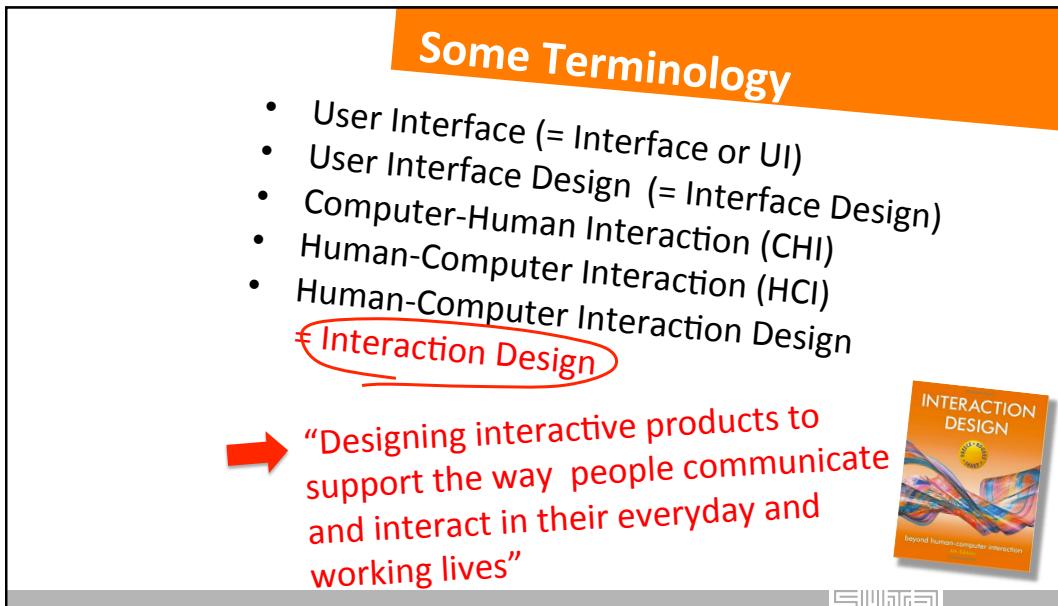
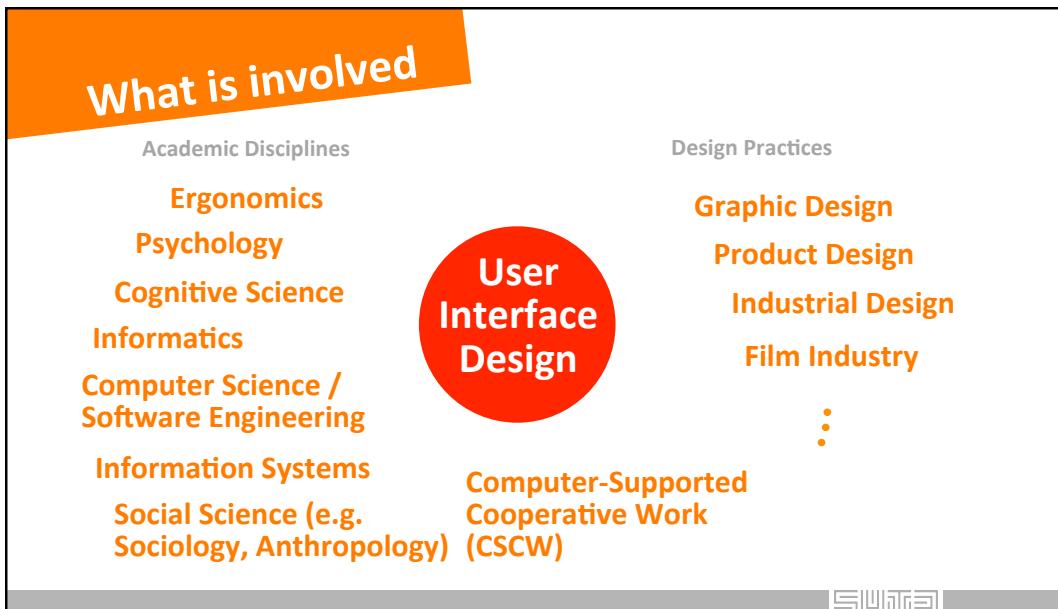
- Be able to **reason** why a UI is well-designed or not, how it can be improved
- Obtain **visual literacy**
- Be able to **design** a usable and considerate UI
- Be able to **evaluate** how good/bad a UI is

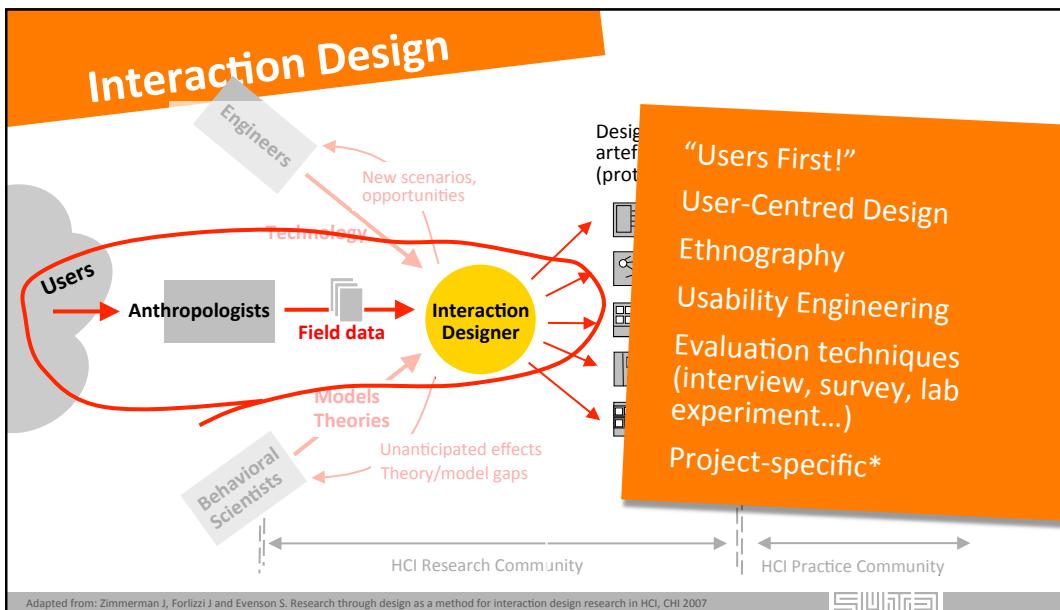
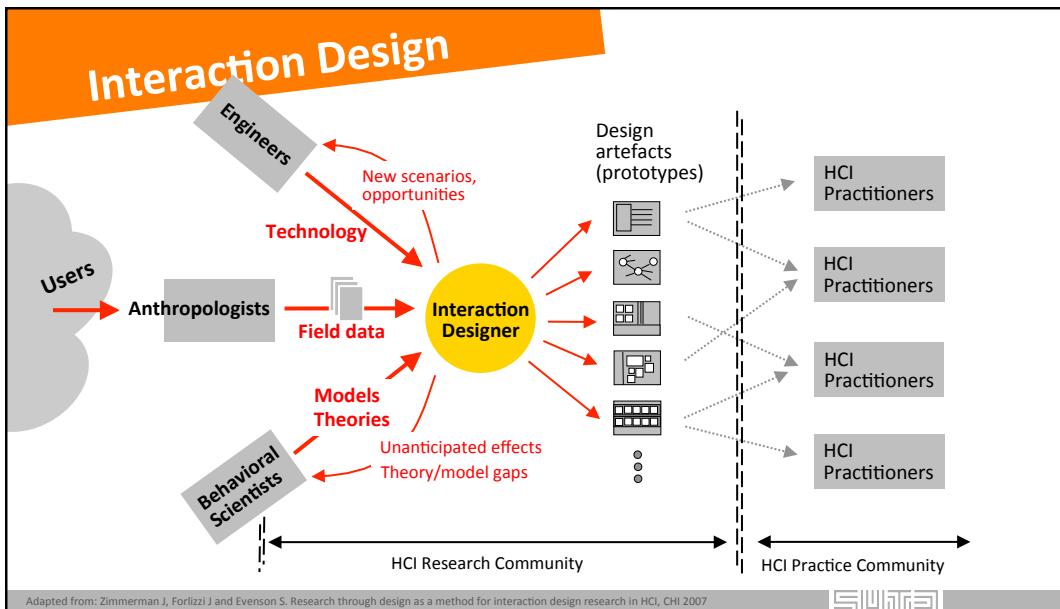
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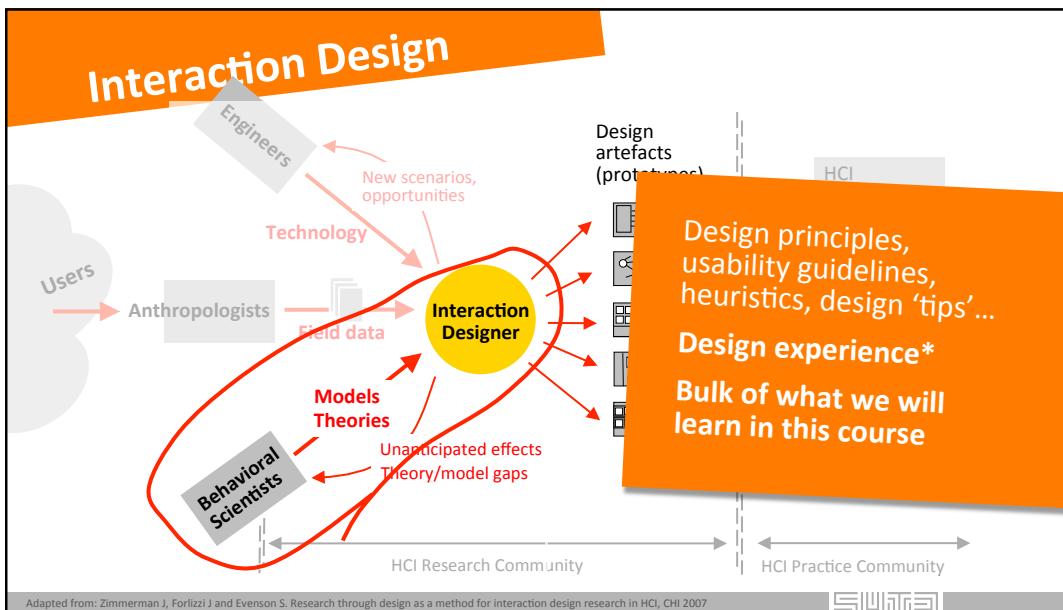
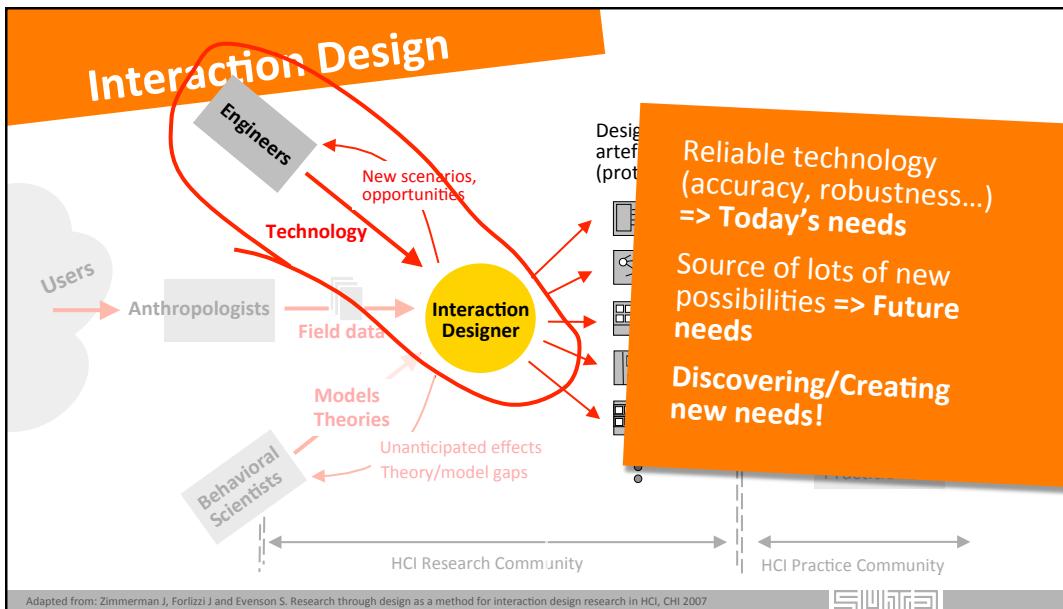
### We are talking about...



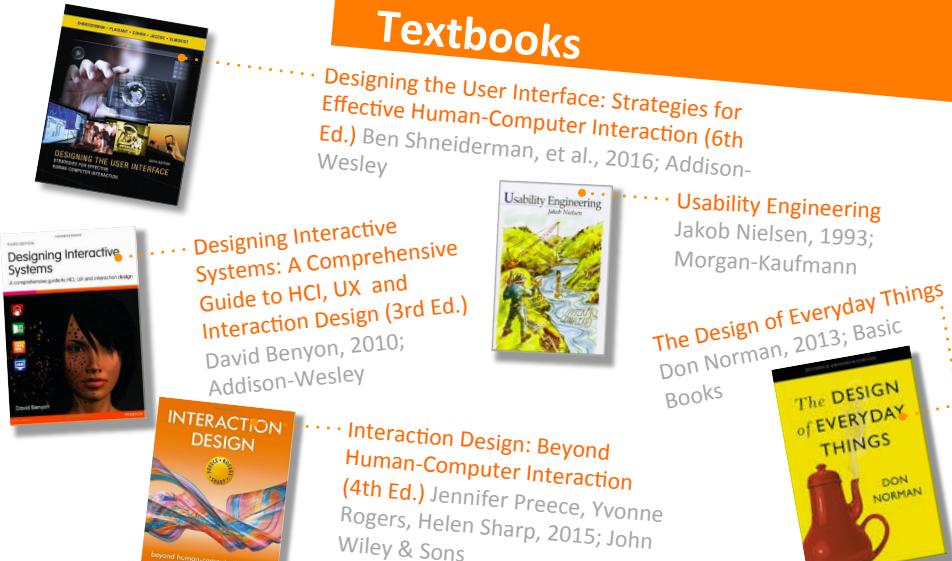








## Textbooks



**Designing the User Interface: Strategies for Effective Human-Computer Interaction (6th Ed.)** Ben Shneiderman, et al., 2016; Addison-Wesley

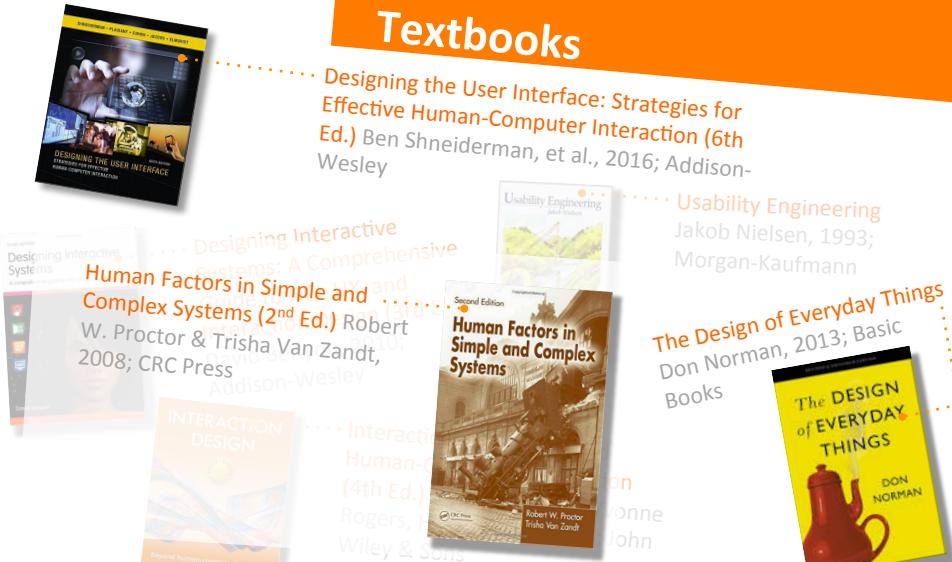
**Designing Interactive Systems: A Comprehensive Guide to HCI, UX and Interaction Design (3rd Ed.)** David Benyon, 2010; Addison-Wesley

**Interaction Design: Beyond Human-Computer Interaction (4th Ed.)** Jennifer Preece, Yvonne Rogers, Helen Sharp, 2015; John Wiley & Sons

**Usability Engineering** Jakob Nielsen, 1993; Morgan-Kaufmann

**The Design of Everyday Things** Don Norman, 2013; Basic Books

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**Human Factors in Simple and Complex Systems (2nd Ed.)** Robert W. Proctor & Trisha Van Zandt, 2008; CRC Press

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## UI Design: Aim

"Good designs generate **positive feelings of success, competence, mastery, and clarity** in the user community. The users are not encumbered by the computer, and can predict what will happen in response to each of their actions. When it is well designed, the **interface almost disappears**, enabling users to concentrate on their work, exploration, or pleasure."

- Ben Shneiderman  
University of Maryland



End of  
Slides