# CS 407H: Assignment 4: Take the Turing Test

**Due: Monday, Nov. 14, 9 a.m. (electronically)**

**Goals:**

- Interact with, and analyze, the state of the art in conversational agents (chatbots).
- Demonstrate knowledge of the Turing Test and its strengths and weaknesses.

**Part 1: The Turing Test** [3 points]

1. Have a conversation with Rosette, the winner of the 2011 Loebner Prize: http://labs.telltalegames.com/rosette/. Your conversation should include at least 20 lines that you typed, plus Rosette's comments. Copy/paste the transcript of your conversation.

2. Write a paragraph on your assessment of Rosette. Which of her comments seemed most human? Which seemed most non-human? Why?

3. Write a paragraph about your own behavior. Did you find yourself changing how you phrased things, as compared to a conversation with a human? Was it a natural conversation or a query-response tennis match? How did you pick topics to discuss?

**Part 2: The Your_Name_Here Test** [7 points]

What would qualify as a demonstration of (human-level) intelligence for you? One way to get started is to consider how you would complete "The Sentence": "The human being is the only animal that _____." Come up with a test that any entity (computers, humans, aliens, your siblings) could take to convince you that he/she/it was intelligent.

1. Condense your test into a single concise summary statement. For example, the Turing Test could be condensed as "The entity is indistinguishable from a human in written conversation."

2. Describe the methodology for setting up the test, conducting the test, and judging the results. Provide enough detail that someone else could conduct and judge the test.

3. Compare your test to the Turing Test, including at least one strength and weakness of each.

**How to submit your assignment**:

- This assignment is due on Monday, November 14, at the start of class.
- Submit your assignment by email (to wkiri@eecs.orst.edu) in text or PDF format.
  - (Optional) I encourage you to also post your answers to Part 2 to the class blog.