

CMSC 143: Introduction to Object-Oriented Programming with Robots

Lab 7: Computational Intelligence

Due October 25, 2010

On Friday, October 22nd Ray Kurzweil will speak as part of the Hannah Arendt Center's conference: *Human Being in an Inhuman Age*. Kurzweil is an inventor, futurist and author of the book "The Singularity Is Near: When Humans Transcend Biology" which explores the merging and blurring of man and machine.

By Friday morning you should have read Alan Turing's paper: "Computing Machinery and Intelligence" which introduces his Turing test for artificial intelligence. After attending Ray Kurzweil's talk at the Sosnoff Theatre in the Fisher Center answer the following questions:

1. What is the Turing Test?
2. Turing raises various potential objections to his question "Can machines think?" Explain one of these objections in detail.
3. Did Kurzweil address any similar potential objections in his presentation? If so, what was his response?
4. Compare the views of Kurzweil and Turing on the question "Can machines think?"
5. Reflect on Kurzweil's vision with respect to your experience with computation in this course.

Learning Objectives

- Understand the Turing Test
- Explore the viability and implications of *Artificial Intelligence*

Deliverables

Submit an electronic copy of your report: **cmssc143_lab7_FIRSTNAME_LASTNAME.pdf**.