Lecture 1: Advanced Artificial Intelligence

CS672

Professor Bart Selman
General Information

Where: TC 484
When: Tue, Thur 3:35–4:20
Professor: Bart Selman
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  Office Hours: 4148 Upson TBA
General Information for CS672

Text:

Artificial Intelligence: A Modern Approach
Russell and Norvig, Prentice-Hall, Inc., 2001 (2nd ed.).
(background reading; v. good)

Artificial Intelligence: A New Synthesis

Assigned Readings:

Various research papers
Grade:
60% project —
  various checkpoints
  final in-class presentation & writeup
30% readings / assignments ("reaction essays")
10% class participation
Today’s Lecture

General Focus: Computational Issues in AI

Planning, Reasoning, & Learning.

Compute Intensive Methods in Artificial Intelligence
— The current frontier.

Challenges ahead.
— what makes AI problems hard?

Topics Outline