Possible topics for term papers:

Philosophical Issues

1. The classic paper by Alan Turing, and the recent criticism by Ford and Hayes (references in Luger)

Conceptual Graphs

1. Start with the section in Luger.
2. Search the library and Internet for works by John Sowa.
3. There are many other books and conference proceedings on this topic, do a search (library and Google) on “conceptual graphs”.

The Semantic Web

1. Being promoted by Tim Berners-Lee, inventor if the World Wide Web. Do search (library and Google) on “Berners-Lee” and “semantic web”.
2. Any of the articles in the book on reserve entitled “Visualizing the Semantic Web”.
3. Topics here include the Resource Description Framework (RDF) and Web Ontology Language (OWL).
4. Also check out the W3 consortium website, www.w3.org.

Ontologies

1. Related to Conceptual Graphs, but more general.
2. Many applications have been proposed.

Neural Nets

1. Start with the section in Luger.
2. Do a search (library and Google); there are many sources.

Genetic Algorithms

1. Start with the section in Luger.
2. Do a search (library and Google); there are many sources.

Fuzzy Logic

1. Some key papers are referenced in Luger.
2. See me; I have many papers on file.

Logic Programming

1. Advanced topics, going beyond Prolog, for the mathematically inclined.
2. Do a search (library and Google).
3. See me; I have several books on this.

Expert Systems

Agents

AI and Computer Games

Emotion Recognition