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Michigan Technological University

Connections Class Presentation
November 20, 2013
CS 3311 – Formal Models of Computation
Rekhi 214

Outline

- Information about me
  - Family
  - Research
  - Teaching
  - Service
- Tips to connect with faculty

Family pictures

Soner
Gunseli Nilufer Ilhan

Sarman

Short biography

- BSc in Computer Engineering
  Orta Dogu Teknik Universitesi
- MSc in Computer Engineering
  Orta Dogu Teknik Universitesi
- Worked as a systems analyst
- PhD in Computer Science
  University of Pittsburgh
- Came to Michigan Tech in 1999

Who motivated me

- My parents and family
- Faculty, advisors, bosses

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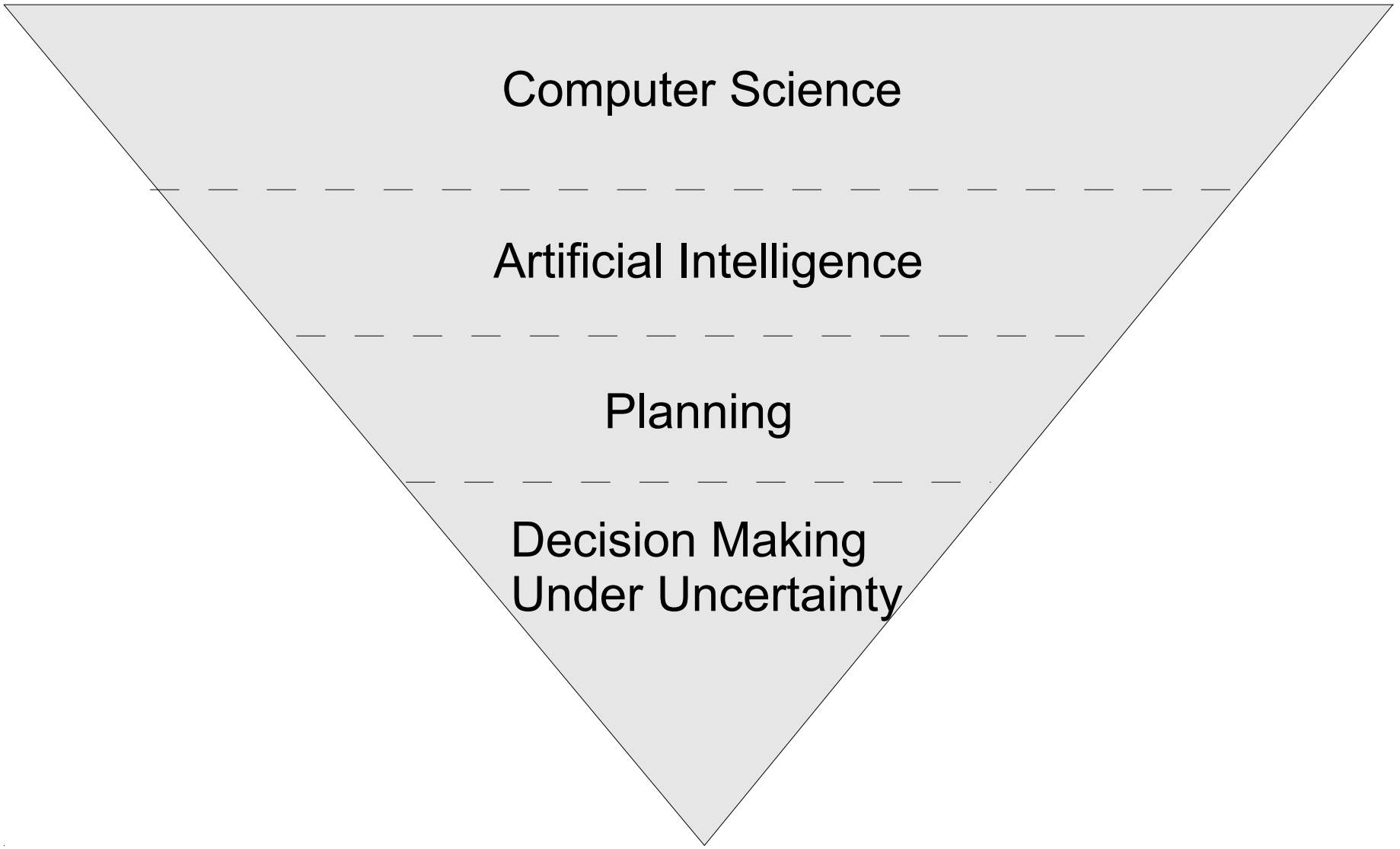
Research Area



Why is it so dam hard to create intelligence?

Because things do not always go as planned

Assessing the situation is challenging

What can be done for contingencies?

- The reactive approach

- The robust approach

- The advance planning approach

How to develop intelligent software that can deal with contingencies?

- Create a model of the world (knowledge representation)
- Create algorithms that can deal with planned or unplanned changes (reasoning)
- Deal with complex search spaces (heuristics)

Current students

- Li Li (PhD)
- Hui Meen Nyew (PhD)
- Michael Tuer (undergraduate)

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Courses taught

- CS 3311 - Formal Models of Computation undergrad, required
- CS 4811 – Artificial Intelligence undergrad, elective
- CS 5811 – Advanced Artificial Intelligence grad
- SSE 3200, CS 3090 – Web Based Services undergrad

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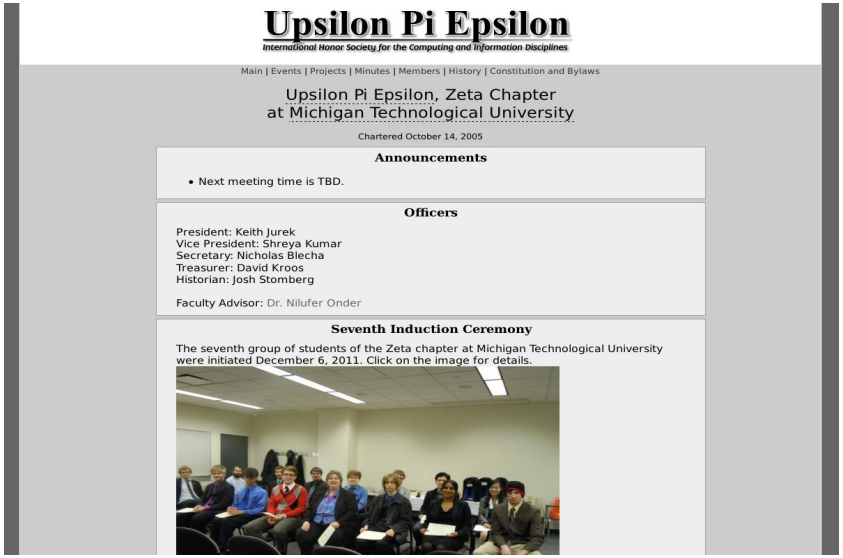
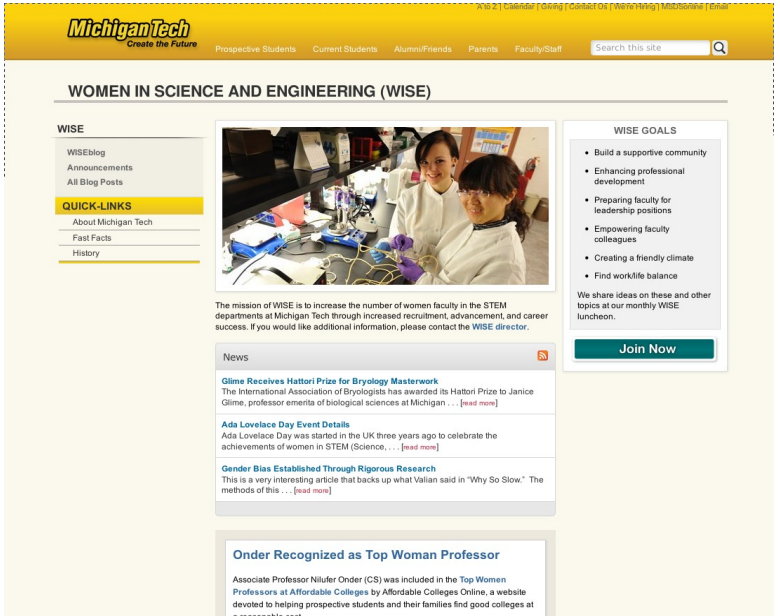
Student and faculty organizations

WiCS
Women in Computing Sciences



UPE
Upsilon Pi Epsilon



WISE
Women in Science
and Engineering

ACM
Chapter

New!

Diversity is important

- Study of student persistence
- Effects of under-representation

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Tips to connect with faculty

- Don't hesitate to initiate conversations with your professors
- Lots of professional advantages to getting to know each other
- Logistics, scheduling
- Talk coming up during the ACM Hackathon

Thank you!

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- Questions and suggestions are always welcome
- Please fill out the feedback forms online