CS 516 Compilers and Programming Languages II

Presentations-1
Shaleen - polyhedral optimizations
Philip - intermittent energy
Project #2 has been posted. Current deadline April 30.

Today:
→ Shaleen will talk about polyhedral optimizations
→ Phillip will present work on intermittent energy optimizations
Papers are posted under sakai/resources
Roadmap for the remainder of the semester

• We have 4 official lectures left for this semester (excluding today)
  → April 21: Reversible computing languages (Janus)
  → April 24: Quantum computing overview
  → April 28: Student presentations/discussions (3 x 20 minutes)
  → May 1: Student presentations/discussions (3 x 20 minutes)
  → May 4: Last day of classes
  → May 8: Optional lecture on quantum computing

• Quantum computing project will be optional
Announcements

Six papers/topics to cover through 20 minutes long student lead discussions / presentations

Approximations / energy (April 28)
1. JouleGuard
2. Uncertain<T>
3. Sarana

Overview of novel computing environments/paradigms (May 1)
1. Neuromorphic computing (Jonathan)
2. Current status of Quantum Computer hardware/software
3. DNA computing

SIGN UP BY EMAIL DUE SUNDAY, APRIL 19. FIRST COME / FIRST SERVE. LIST ALTERNATIVES: FIRST/SECOND/THIRD CHOICE. THANKS!