Javier's Notebook

1. Benchmark problems to tackle with EUROPA
2. Implementing a Native POCL solver for ANML
3. Continuous integration server for EUROPA
4. Complexity Sites
5. Related Systems

Benchmark problems to tackle with EUROPA

Constraint Programming

- Constraint Programming Benchmark Library

Scheduling

- ProGenMax RCPSP problems
- PSLIB Various Scheduling problems
- Scheduling Problems from ICAPS07 Benchmark Problems for Oversubscribed Scheduling

International Planning Competition

- 2007 paper on comparing planners through their performance on these problems
- IPC-5 (2006)
- IPC-4 (2004)
- IPC-3 (2002)
- IPC-2 (2000)
- IPC-1 (1998)

Combinatorial Optimization

- INFORMS links to OR problem instances
- J.E. Beasley's OR Library
- Discrete Location Problems at the Sobolev Institute of Mathematics
- Solomon's VRPTW Instances
- The TSP site at Georgia Tech

Games/Puzzles

- Sokoban
- Games Group at U of Alberta

Implementing a Native POCL solver for ANML

- VHPOP
- CPT

Continuous integration server for EUROPA

- Bamboo Free for open source projects like us
- Bitten Integrated with Trac (see example). need to see if Java/Python slant is a problem for us.
- also, load EUROPA on OhLoh? to get their metrics/exposure

Complexity Sites

- Complexity Zoo
- A compendium of NP optimization problems

Related Systems

maybe we can have an intern perform a systematic comparison at some point :

- ECLiPSe
- Comet
- Simpl : see also a presentation on it
- Choco