A call for participation:

Supporting Large Scale Studies of Planning Systems

Mark Roberts    Adele Howe
Colorado State University

Potential Analogies

- Chasing windmills
- Chasing rainbows
- Painting rainbows
- Chasing a tornado
- Standing up out of the trenches

... ingratiated ... compelled ... insane
The Stage

- 86 “planners”
  - 28 running at CSU
- 5000 “problems”
  - many, many more beyond STRIPS/ADL
- Performance data is an enormous benefit
- Thanks to the IPC we have two big pieces

The Story

- Each planner has its own space and comes from a history
- Each problem set has a space and comes from a history
- Tools for debugging exist, and each has a space and comes from its own history
The Soliloquy

- Comparison is ad hoc (at least outside of the competitions)
- Non-competitions problems exist but have no clear venue
- New planners / post competition planners exist but have no clear venue
- Argument: A central repository would help (and not hinder??) advancement

Format

- Common models exist
  - Allow autonomous contributions
  - Review and correction

- Wiki-like format
  - what level of “control” should exist?
  - Where will the wiki live?
  - How do we design with change in mind?
What would “it” support?

- Science and scientific discovery
- Pedagogy
- Dissemination of information
- Visibility within and outside the community
- Credibility as a maturing field
- Others ….

Relevance and Insight

The IPC

- Build the wiki in conjunction with IPC6
- “Release” this version and get feedback
Beyond the IPC

• Drive insight by providing a common framework for integrating performance results and analysis of those results
  • Incorporate homogenous computing
  • Leverage it when it becomes possible

Issues to consider

• “Manage expectations”
  • What it is
  • What it could be
  • What it will never be

• Start small and expand

• Leverage combined/existing contributions
Issues to consider

• “Manage expectations”
  • What should it be?
  • What could it be?
  • What will it never be?

• Start small and expand
  • What is the appropriate level/size?

• Leverage combined/existing contributions
  • How to leverage contributions but maintain quality?