
archive '10:
Raising the Standard of Scientific Publishing
Through an Experiment Archive

Organizers: Mary Hall and Eric Eide
May 25-26, 2010

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Overview

- Experimental computer science communities should archive experiments and associated software along with publications.
 - Repeatable experiments
 - Software available for integration into other studies
 - Moves the field forward
- Scientific communities are already archiving their experiments and data.
 - Physics and Biomedical Informatics
 - Using computer science technology!
- Publishing of scientific experiments is changing.
 - A movement among publishers, librarians and ACM.
- ➔ Join forces to discuss how to leverage each others' technology and activities.

Organization into Panels

5 Panels, chair in parenthesis

- Networking (Jeannie Albrecht)
- Compilers and programming languages (David Padua)
- Physics (Sergey Fomel)
- Biomedical Informatics (Joel Saltz)
- Enabling Technologies (Anita de Waard)

Format

- 10 minute presentations, initiated by panel chair
- Followed by group discussion

Tomorrow's Discussion

Morning: Synthesize material from today

- Start with summary of key ideas from each panel chair, kept to ~10 minutes
- As a group, enumerate a set of key ideas to be discussed the rest of the morning
- Take notes on discussion (for report)

Afternoon: Draft report

- Panel chairs or designates
- From position papers, panel summaries and notes from discussion
- Organization should follow panels unless a clearer idea emerges

Report from Workshop

- Initially published as a University of Utah Tech Report and provided to NSF
- Later a condensed summary paper published in a high visibility, broadly read forum
- Discuss this tomorrow if possible