1st Workshop on the Theory and Practice of Provenance (TaPP '09)

Sponsored by USENIX: The Advanced Computing Systems Association

http://www.usenix.org/tapp09

February 23, 2009   San Francisco, CA

TaPP '09 will be co-located with the 7th USENIX Conference on File and Storage Technologies (FAST '09).

Important Dates
Submissions due: *December 5, 2008, 11:59 p.m. PST*
Notification of acceptance: *January 22, 2009*
Electronic files due: *February 11, 2009*

Workshop Organizers

Program Chair
James Cheney, *University of Edinburgh*

Program Committee
Juliana Freire, *University of Utah*
Jim Frew, *University of California, Santa Barbara*
Michael Lesk, *Rutgers University*
Gerome Miklau, *University of Massachusetts, Amherst*
Vladimiro Sassone, *University of Southampton*
Perdita Stevens, *University of Edinburgh*
Erez Zadok, *Stony Brook University*
Steve Zdancewic, *University of Pennsylvania*

Steering Committee
Michael Hicks, *University of Maryland*
Bertram Ludaescher, *University of California, Davis*
Craig Soules, *HP Labs*
Val Tannen, *University of Pennsylvania*

Overview
Provenance, or meta-information about computations, computer systems, database queries, scientific workflows, and so on, is emerging as a central issue in a number of disciplines. The TaPP workshop continues an informal series of workshops on Principles of Provenance organized in 2007–2008, which helped raise the profile of this area within diverse research communities, such as databases, security, and programming languages. We hope both to attract serious cross-disciplinary, foundational, and highly speculative research and to facilitate needed interaction with the broader systems community and with industry.

Topics
We invite submissions addressing research problems involving provenance in any area of computer science, including but not limited to:

- Databases
  - Data provenance and lineage
  - Uncertainty/probabilistic databases
  - Curated databases
  - Data quality/integration/cleaning
  - Privacy/anonymity
  - Data forensics

- Programming languages and software engineering
  - Bi-directional, adaptive, and self-adjusting computation
  - Traceability
  - Source code management/version control/configuration management
  - Model-driven design and analysis

- Systems and security
  - Provenance aware/versioned file systems
  - Provenance and audit/integrity/information flow security
  - Trusted computing
  - Traces and reflective/adaptive/self-adjusting systems
  - Digital libraries

- Workflows/scientific computation
  - Efficient/incremental recomputation
  - Scientific data exploration and visualization
  - Workflow provenance querying
  - User interfaces

Submission Instructions
All submissions must be in English and must include a title and the authors' names and affiliations. Papers must not be anonymized. We invite submissions of either full papers describing relatively mature work or short papers on ongoing work. Short papers are meant to allow authors to talk about ongoing work that is not yet suitable for publication. Short papers may be included in the online proceedings at the authors' discretion.

Papers should be formatted in two columns to fit in either four [4] or ten [10] pages, using 10 point Times Roman type on 12 point leading, in a text block of 6.5" by 9".

Authors are required to submit papers by 11:59 p.m. PDT, December 5, 2008. *This is a hard deadline; no extensions will be given.* All submissions to TaPP '09 must be electronic, in PDF format. Submit papers using the Web form on the TaPP '09 Call for Papers Web site, http://www.usenix.org/tapp09/cfp.

Simultaneous submission of the same work to multiple venues, submission of previously published work, and plagiarism constitute dishonesty or fraud. USENIX, like other scientific and technical conferences and journals, prohibits these practices and may, on the recommendation of a program chair, take action against authors who have committed them. In some cases, program committees may share information about submitted papers with other conference chairs and journal editors to ensure the integrity of papers under consideration. If a violation of these principles is found, sanctions may include, but are not limited to, barring the authors from submitting to or participating in USENIX conferences for a set period, contacting the authors' institutions, and publicizing the details of the case.

Authors uncertain whether their submission meets USENIX's guidelines should contact the program chair at tapp09chair@usenix.org or the USENIX office, submissionspolicy@usenix.org.

Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX Web site; rejected submissions will be permanently treated as confidential.

All papers will be available online to registered attendees prior to the workshop and will be available online to everyone starting on February 23, 2009. If your accepted paper should not be published prior to the event, please notify production@usenix.org.

Registration Materials

Complete program and registration information will be available in late January 2009 on the workshop Web site. If you would like to receive the latest USENIX conference information, please join our mailing list: http://www.usenix.org/about/mailing.html.