

2nd USENIX Workshop on the Theory and Practice of Provenance (TaPP '10)

Sponsored by USENIX in cooperation with ACM SIGOPS and ACM SIGPLAN

<http://www.usenix.org/tapp10>

February 22, 2010

San Jose, CA

TaPP '10 will be co-located with the 8th USENIX Conference on File and Storage Technologies (FAST '10), which will take place February 23–26, 2010.

Important Dates

Submissions due: December 14, 2009, 11:59 p.m. PST

Notification of acceptance: January 22, 2010

Electronic files due: February 16, 2010

Workshop Organizers

Program Chairs

Margo Seltzer, *Harvard School of Engineering and Applied Sciences*
Wang-Chiew Tan, *University of California, Santa Cruz*

Program Committee

Adriane Chapman, *The MITRE Corporation*
Susan Davidson, *University of Pennsylvania*
Nate Foster, *Princeton University*
Joseph Futelle, *NCSA*
Ashish Gehani, *SRI*
Todd J. Green, *University of California, Davis*
Gerome Miklau, *University of Massachusetts Amherst*
Craig Soules, *HP Labs*
Dan Suci, *University of Washington*
Stijn Vansummen, *Hasselt University*

Steering Committee

James Cheney, *University of Edinburgh*
Michael Hicks, *University of Maryland*
Bertram Ludascher, *University of California, Davis*
Margo Seltzer, *Harvard University*
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 series builds upon a set of Workshops on Principles of Provenance organized in 2007–2009, which helped raise the profile of this area within diverse research communities, such as databases, security, and programming languages. We hope 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

Deadline and Submission Instructions

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.

Submissions will be received electronically via a Web form on the TaPP '10 Call for Papers Web site, <http://www.usenix.org/tapp10/cfp>. The Web form will ask for contact information for the paper and will allow for the submission of your full paper file in PDF format. *Please do not email submissions.*

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". If you wish, you may use the LaTeX template and style file or the Word template linked from the Call for Papers Web site.

Simultaneous submission of the same work to multiple venues, submission of previously published work, or plagiarism constitutes dishonesty or fraud. USENIX, like other scientific and technical conferences and journals, prohibits these practices and may take action against authors who have committed them. See the USENIX Conference Submissions Policy at <http://www.usenix.org/submissionspolicy>. Questions? Contact your program chairs, tapp10chairs@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 before the workshop. If your accepted paper should not be published prior to the event, please notify production@usenix.org. The papers will be available online to everyone beginning on the day of the workshop, February 22, 2010.

Registration Materials

Complete program and registration information will be available in late January 2010 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>.