



## CALL FOR PAPERS - TAU 2009

### ACM International Workshop on Timing Issues in the Specification and Synthesis of Digital Systems

<http://www.tauworkshop.com>

February 23-24, 2009

[Lakeway Resort](#), Austin, Texas

Sponsored by ACM/SIGDA and in-cooperation with IEEE/CAS

The TAU series of workshops provide an informal forum for practitioners and researchers working on temporal aspects of digital systems to disseminate early work and engage in a free discussion of ideas. The sixteenth in the TAU series, the TAU 2009 workshop invites submissions from all areas related to the timing properties of digital electronic systems, including but not limited to:

*Formal theories and methods*

*System-level timing*

*Transistor-level timing*

*Circuit-level timing*

*Sensitivity analysis*

*Full custom design analysis*

*Integrated functional-temporal analysis*

*Incremental analysis*

*Timing issues in low power design*

*Power-delay trade-offs*

*Adjacent line switching and coupling*

*Delay models and metrics*

*Layout impact on timing*

*Timing-driven synthesis and re-synthesis*

*Circuit optimization*

*Uncertainty-based analysis*

*Incorporation of RETs in timing*

*Reliability impact on performance*

*Process & environmental variation models*

*Statistical analysis techniques*

*Clocking, synchronization, and skew*

*Clock domains, static/dynamic logic*

*Novel clocking schemes*

*Special circuit families*

*Asynchronous systems*

*Timing implications of emerging technologies*

#### IMPORTANT DATES

**Submission deadline**

**December 22, 2008**

Acceptance notification

January 26, 2009

Camera-ready paper due

February 5, 2009

#### SUBMISSION OF PAPERS

All papers must be submitted electronically. Details will be posted on the web site

<http://www.tauworkshop.com>. Submissions are limited to 6 pages in the double column proceedings format. TAU is a workshop aimed at fostering a high level of professional interaction, not a conference. Copies of papers will be provided to the attendees, but the proceedings will not be published by the ACM or the IEEE. Therefore, accepted papers can still be submitted to other conferences and journals. The intent of the workshop is to encourage the vigorous and unfettered discussion of the latest ideas in the field.

#### WORKSHOP ORGANIZATION (see the web site for more details):

General Chair: Frank Liu, IBM Corporation

Program Chair: Peng Li, Texas A&M University