Introduction

It is our great pleasure to present the first issue of the second year for the *ACM Transactions on Architecture and Code Optimization* (TACO). *ACM TACO* focuses on hardware, software, and system research spanning the fields of computer architecture and code optimization. Articles that appear in *TACO* present insights useful to architects, compiler writers, and hardware or software developers. It has already established itself as the premier archival journal targeted at research in computer architecture or compiler code optimization.

The first 12 months of *TACO* have been a resounding success. With this first issue of the second year, we have published five quarterly issues with 20 high-quality papers. We thank the authors for sending their top work to *TACO*. Additional credit goes to our truly outstanding editorial board; we thank them, and the reviewers, for the hard work they have already put into assembling the first year and the upcoming issues in 2005. During this time we received 50 submissions, accepted 21 of those papers for publication and rejected 29. Of the 21 papers accepted, 5 were accepted pending major revision and the rest as needing minor revision.

To be an attractive option for new research, we believe it is critical that we maintain fast turnaround for submitted articles. Authors can submit papers to *ACM TACO* at any time for standard review. In the standard review process, we make every attempt possible to have a first response three months after submission. This will not change.

However, we are adding a new element to the review process.

ACM TACO is adding two targeted calls for papers per year (on all *ACM TACO* topics), with a deadline for submission as well as a deadline for response notification. The first of these will occur in Winter each year, and the second at the end of Summer. These two deadlines will

1. guarantee a date of notification. The author will find out by the notification date if the paper is classified as “Accept as is,” “Accept with minor revisions,” “Reconsider after major revisions,” or is “Rejected.” Papers requiring revisions will be resubmitted after changes are made to address the comments for an accelerated review. A paper that is classified as “major revision” can be resubmitted to TACO with an accelerated review process or can be withdrawn and resubmitted elsewhere.
2. guarantee publication within 1/2 year of notification—if the outcome is an accept or accept with minor revision, and the revisions are done in a timely manner.
3. attract new unpublished work. A paper accepted with minor revision during one of these review periods will appear in publication less than a year from date of submission. This makes it even more attractive to submit and publish new research in *ACM TACO*, while maintaining the advantages of a more iterative submission and review process than is found in conference submissions.

The next bi-annual call for papers deadline is

Summer Submission Deadline: August 5th, 2005, 11:00 pm PST

Summer Author Notification: October 21st, 2005

We hope you enjoy *ACM TACO*, and we welcome your submissions.

BRAD CALDER AND DEAN TULLSEN
Co-Editors-In-Chief