

## Editor's Notes

Welcome to the September 2009 issue of SIGMOD Record. We begin the issue with a welcome article from the new Chair of SIGMOD, Yannis Ioannidis.

The first regular article of this issue, by Ooi, Tan, and Tung, is looking (from a database perspective) into the topic of cyber-physical systems (or co-space) and the challenges these systems bring. The second regular article, by Lagogiannis, Lorentzos, Sioutas, and Theodoridis, is looking into the problem of spatio-temporal queries, and in particular proposes an efficient indexing scheme.

The **Database Principles Column** (edited by Leonid Libkin) features one article, by Arenas, Perez, Reutter, and Riveros. The article is on schema mappings, and in particular on two of the most fundamental operators: composition and inversion.

We continue with an article in the **Surveys Column** (edited by Cesar Galindo-Legaria), by Shmueli, Vaisenberg, Elovici, and Glezer, on database encryption. The authors present a nice overview of the main challenges and the primary design considerations for database encryption in contemporary systems.

We continue with an article in the **Research Centers Column** (edited by Ugur Cetintemel) about the spatio-temporal database research group at the University of Melbourne.

Next is the **Open Forum Column**, which is meant to provide a forum for members of the broader data management community to present (meta-)ideas about non-technical issues and challenges of interest to the entire community. In this issue, we present a report on the Repeatability and Workability Evaluation of SIGMOD 2009. Please note that this process will repeat again for SIGMOD 2010; the details are included in this issue (page 56).

We continue with two articles in the **Reports Column** (edited by Brian Cooper). First is the *Report of the 2008 Logic in Database workshop (LID 2008)*, written by Cali, Martinenghi, and Lakshmanan. Second is the *Report on the SIGMOD 2009 Best Demonstration Competition*, written by Bjorn Thor Jonsson.

Next, we have the **TODS Column**, where the Editor-in-Chief of TODS, Meral Ozsoyoglu, gives us a brief look behind the scenes and provides updates on new initiatives.

We close the issue with multiple **Announcements** and **Calls for Papers/Submissions**:

- Call for Nominations - SIGMOD Jim Gray Doctoral Dissertation Award (due: Dec 15)
- Second Annual SIGMOD Programming Contest: Distributed Query Engine
- SIGMOD Conference Experimental Repeatability Requirements
- Calls for Papers - First ACM Symposium on Cloud Computing (SoCC 2010)

Alexandros Labrinidis  
November 2009