Dear SIGMOD member:

Recently several proposed changes to the SIGMOD bylaws were approved by the ACM SIG Governing Board Executive Committee (GSG EC). Under recently approved procedural changes by the SGB, certain minor changes in bylaws can be approved by the SGB EC and sent on to the ACM Executive Committee for approval without a formal vote of the membership. The changes we proposed fall into this category.

However, any SIGMOD member has 30 days to register any objections. If at least 3% of SIGMOD members object, then the bylaws changes must be voted on by the entire membership. So, if you have any objections, you must send them to Donna Cappo, Director of SIG Services at: cappo@hq.acm.org. These objections must be received by: July 16, 2014.

A summary of the proposed changes is attached to this email. If you have any questions, please contact me. The current SIGMOD bylaws can be viewed at: http://www.acm.org/sigs/bylaws-contents/mod_bylaws/

Best regards.

Donald Kossmann
SIGMOD Chair
ACM SIG Bylaws: SIGMOD

BYLAWS
of the
Special Interest Group on
Management of Data (SIGMOD)
of the
Association for Computing Machinery

Article 1. Name and Scope

This organization will be called the Special Interest Group on Management of Data (SIGMOD) of the Association for Computing Machinery, Inc. ("the ACM"); it will be referred to herein as "the Group".

The scope of SIGMOD is to be the premier international community for innovative development of knowledge concerning management of data, broadly defined, including the aspects of data description, storage, querying, analysis, security and privacy.

Article 2. Purpose

The group is organized and will be operated exclusively for educational, scientific, and technical purposes in its specialty. Its activities will include:

i. Collecting and disseminating information in the specialty, through a newsletter (SIGMOD Record), a Web portal (SIGMOD Online), SIGMOD Digital Library (Anthology and Digital Symposium Collection), and other publications approved by the Publications Board of the ACM.

ii. Organizing sessions or conferences of the ACM;

iii. Sponsoring conferences, symposia and workshops;

iv. Organizing working groups for education, research and development;

v. Collaborating with sister organizations such as VLDB Endowment and IEEE Technical Committee on Data Engineering to further the Group's activities and charter;

vi. Serving as a source of technical information for the Council and subcommittees of the ACM;

vii. Serving as an external technical representative of the ACM when authorized by the Council or Executive Committee of the ACM;

viii. Working with subcommittees of the ACM on technical activities such as announcements or professional development seminars.

Article 3. Charter

SIGMOD exists until dissolved by the Council of the ACM, as provided in Byline 6 of the ACM.

Article 4. Officers

The officers are elected for SIGMOD and managing its activities. The first officers were:

- President;
- President-elect;
- President-elect;
- Treasurer.

Other officers are elected for SIGMOD and managing its activities. The number of officers is at the discretion of the ACM, and no other restrictions are made.

The Bylaws also provide for a Nominating Committee to be established to provide recommendations to the members of the ACM on candidates for the officers of the SIGMOD.

The Bylaws further provide for the appointment of a Chair and Vice-Chair by the SIG Governing Board. These officers shall be appointed at the discretion of the SIG Governing Board.
procedures of the ACM, unless different procedures have been approved by the SIG Governing Board. Of all the ballots returned in an election, the candidates receiving the largest numbers of effective votes win. The SIG Governing Board resolves ties.

Article 15. Jim Gray Doctoral Dissertation Award

a. SIGMOD has established the annual SIGMOD Jim Gray Doctoral Dissertation Award to recognize excellent research by doctoral candidates in the database field. This award, which was previously known as the SIGMOD Doctoral Dissertation Award, was renamed in 2008 with the unanimous approval of ACM Council in honor of Dr. Jim Gray.

b. SIGMOD Jim Gray Doctoral Dissertation Award winners and runners-up will be recognized at the SIGMOD conference, and their dissertations will be included at the SIGMOD Online web site. Winners of the award will also receive a plaque and be given the opportunity to present his or her work together with the winners of the SIGMOD Innovations and Test of Time awards. They will also be invited to serve on an evaluation committee at least once in the subsequent years.

c. Eligibility: Nominations are limited to one doctoral dissertation per department. Each submitted doctoral dissertation must be on a topic within the scope of SIGMOD’s mission, i.e., large scale data management.

Candidates must either be female and/or be capable of growing a beard as full as Jim Gray.

Article 16. Amendments

a. These bylaws may be amended by a majority vote of the Council, or by a vote of SIGMOD’s members as
HOW TO SCALE UP WITHOUT GIVING UP TRANSACTIONS?
H-Store
High-Performance Transaction Processing System
VOTER BENCHMARK
Japanese “American Idol”

- MySQL
- Postgres
- H-Store

13x

TXN/SEC vs CPU CORES
DISTRIBUTED TRANSACTIONS
VOTER BENCHMARK
10% Distributed Transactions

TXN/SEC | NODES (8 CORES PER NODE)
---|---
0 | 1
20,000 | 2
40,000 | 3
60,000 | 4
80,000 | 100,000

H-Store
Optimize Single-Partition Execution
H-STORE: A HIGH-PERFORMANCE, DISTRIBUTED MAIN MEMORY TRANSACTION PROCESSING SYSTEM

Minimize Distributed Transactions
SKEW-AWARE AUTOMATIC DATABASE PARTITIONING IN SHARED-NOTHING, PARALLEL OLTP SYSTEMS
Proceedings of SIGMOD, pp. 61-72, 2012.

Identify Distributed Transactions
ON PREDICTIVE MODELING FOR OPTIMIZING TRANSACTION EXECUTION IN PARALLEL OLTP SYSTEMS

Utilize Transaction Stalls
THE ART OF SPECULATIVE EXECUTION
In Progress (July 2014)
VOTER BENCHMARK
All Optimizations Enabled

TXN/SEC vs NODES (8 CORES PER NODE)

H-Store
SIGMOD Edgar F. Codd Innovations Award

For innovative and highly significant contributions of enduring value to the development, understanding, or use of database systems and databases. Until 2003, this award was known as the "SIGMOD Innovations Award." In 2004, SIGMOD, with the unanimous approval of ACM Council, decided to rename the award to honor Dr. E.F. (Ted) Codd (1923 - 2003) who invented the relational data model and was responsible for the significant development of the database field as a scientific discipline.
