

Date: 05/02/14 11:10 AM

Dear SIGMOD member:

Dear SIGMOD member:
Recently several proposed changes to the SIGMOD bylaws were approved by the ACM SIG
Governing Board Executive Committee (SGB 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<mailto: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,

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) Association for Computing Machinery

Article 1. Name and Scope

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

The group is organized and will be operated exclusively for educational, scientific, and technical purposes in its specialty. Its services 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 at 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 subunits of the ACM;
- vii. Serving as an external technical representative of the ACM when authorized by the Council or Executive
- viii. Working with subunits of the ACM on technical activities such as lectureships or professional development seminars.

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

Article 4. Officers

Treasurer. The officers are elected for

GMOD and managing its activities. The

d business meetings:

cies of the ACM; and

d herein

eutive Committee meetings; and

ecountability Policy of the ACM. This D's disbursements for adherence to the

manage SIGMOD's online presence and

n Director, who is a member of the

o assist the officers in running the Annual chair for the day-to-day planning

e Coordinator, who is a member of the

intervals as determined by the Executive embers. Newsletter subscriptions may be

of the newsletter, who is a member of the

ortant database publications (journals, d other publications).

Online, is distributed on electronic media such as CD

ns: (i) SIGMOD Anthology, which is produced as nd (ii) SIGMOD Digital Symposium (DiSC), which is

Anthology. tors of SIGMOD Anthology and SIGMOD DiSC, both mittee.

cers, the Editor of the SIGMOD newsletter, the Chair gy, the Editor of SIGMOD Digital Symposium Conference Coordinator, and Chair of PODS ns on the Executive Committee. vise the Chair on all matters of interest to the cified in these Bylaws or assigned by the Chair. The gement policy decisions of the Group. littee must be voting members of ACM and of

, the Vice-Chair assumes the duties of Chair. SIG Governing Board may, on nomination of the cancies in offices s/he has appointed according to provided herein. cy of these bylaws or because of a dispute, or for

s provided in Bylaw 6 of the ACM). term of office expires; appointees, however, w Chair.

utside of the Executive Committee to participate in oard consists of the Past Chair, the Newsletter or four year terms beginning July 1. The Chair will m business, and one from government. ry Board. If the Chairperson steps-down before ir in consultation with the Advisory Board and

leges

ng the required dues. SIGMOD's Executive any fees for activities and services of SIGMOD,

with SIGMOD. On any ballot, the votes cast by ted downward so that their effective total cannot tion factor will be specified on the ballot.

by the SIG Governing Board. These

e activities of SIGMOD during the

OD, as required by the ACM. The

year, the Chair appoints a nominating each elective office of SIGMOD. The esented to all the SIGMOD members by

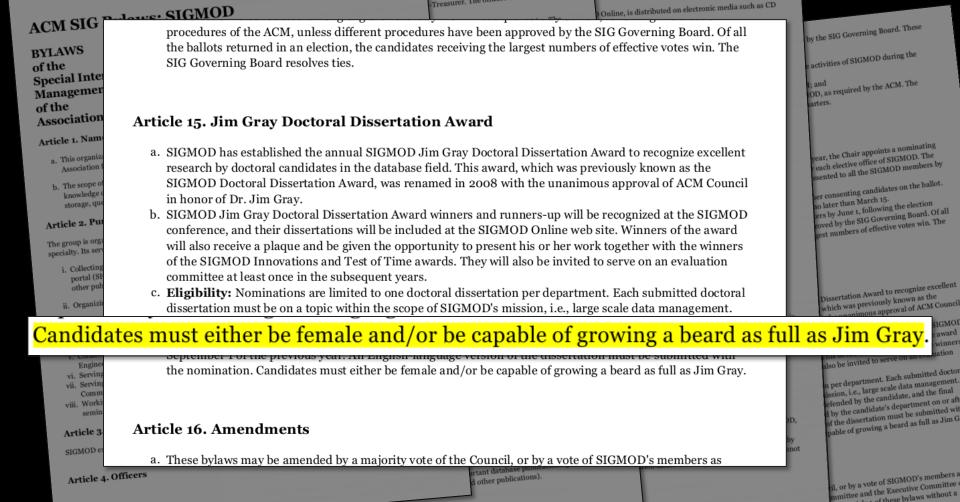
her consenting candidates on the ballot. no later than March 15. ers by June 1, following the election roved by the SIG Governing Board. Of all gest numbers of effective votes win. The

Dissertation Award to recognize excellent which was previously known as the h the unanimous approval of ACM Council

mers-up will be recognized at the SIGMOL D Online web site. Winners of the award his or her work together with the winners also be invited to serve on an evaluation

n per department. Each submitted doctor ission, i.e., large scale data management. efended by the candidate, and the final I by the candidate's department on or aft of the dissertation must be submitted wit pable of growing a beard as full as Jim G

il, or by a vote of SIGMOD's members a mmittee and the Executive Committee nd Article 1 of these bylaws without a



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Online, is distributed on electronic media such as CD

ad Article 1 of these bylaws without a

HOW TO SCALE UP WITHOUT GIVING UP TRANSACTIONS?

G-Store

High-Performance Transaction Processing System

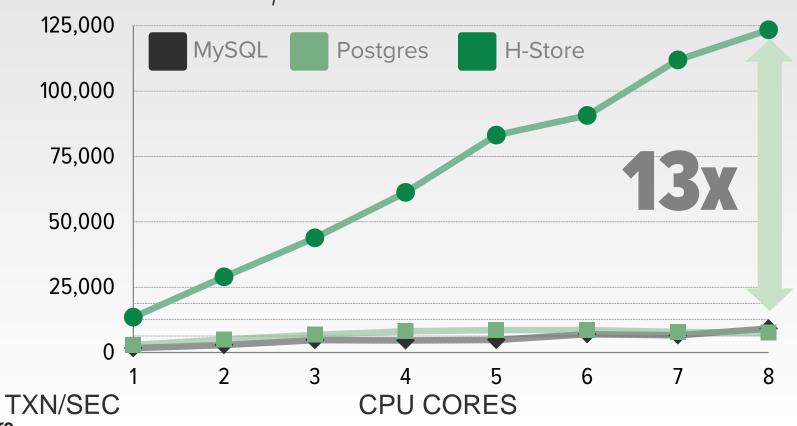
MAIN MEMORY STORAGE



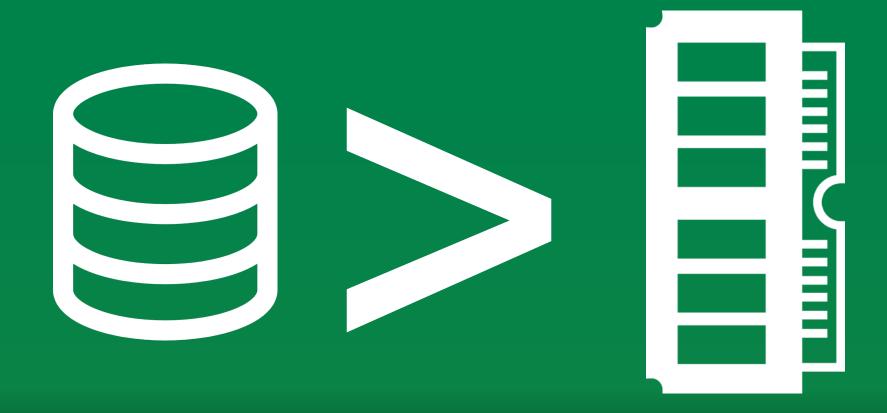
STORED PROCEDURES

VOTER BENCHMARK

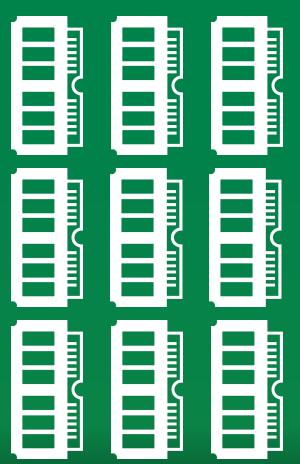
Japanese "American Idol"



-Store



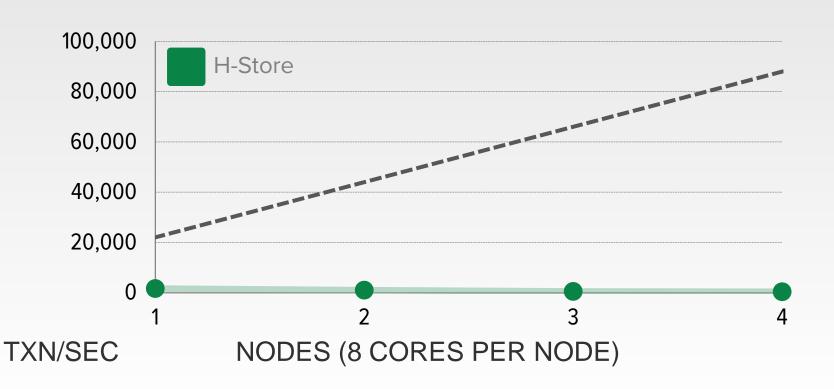




DISTRIBUTED TRANSACTIONS

VOTER BENCHMARK

10% Distributed Transactions







Optimize Single-Partition Execution

H-STORE: A HIGH-PERFORMANCE, DISTRIBUTED MAIN MEMORY TRANSACTION PROCESSING SYSTEM

Proc. VLDB Endow., vol. 1, iss. 2, pp. 1496-1499, 2008.



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

ON PREDICTIVE MODELING FOR OPTIMIZING TRANSACTION EXECUTION IN PARALLEL OLTP SYSTEMS

Proc. VLDB Endow., vol. 5, pp. 85-96, 2011.

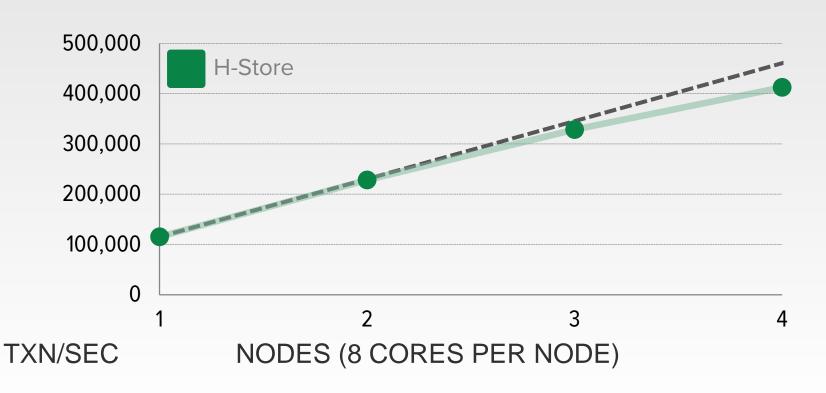


Utilize Transaction Stalls

THE ART OF SPECULATIVE EXECUTION In Progress (July 2014)

VOTER BENCHMARK

All Optimizations Enabled







Stan Zdonik



Mike Stonebraker



Sam Madden



Ugur Cetintemel



David **DeWitt**



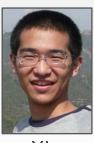
Dan **Abadi**



Evan



Saurya Jones Velagapudi



Xin Jia



Carlo



Justin Curino DeBrabant



Yang Zou



Visawee Angkana.



Ning Shi



Aaron **Elmore**

@ANDY_PAVLO db.cs.cmu.edu

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.

