

# Call for Papers: SIGMOD / PODS Conference

*June 6-11, 2010, Indianapolis, Indiana, USA*

<http://www.sigmod2010.org>

## **2010 ACM SIGMOD International Conference on Management of Data**

The annual ACM SIGMOD conference is a leading international forum for database researchers, practitioners, developers, and users to explore cutting-edge ideas and results, and to exchange techniques, tools, and experiences. We invite the submission of original research contributions and industrial papers, as well as proposals for demonstrations, tutorials, and panels. We encourage submissions relating to all aspects of data management defined broadly, and particularly encourage work on topics of emerging interest in the research and development communities.

### TOPICS OF INTEREST

General areas of interests include but are not limited to the following:

- New programming models and languages to extend the DBMS ecosystem beyond traditional data and query models
- Scalable Data Management on Cloud Computing Infrastructures
- Data-centric approaches for effective management of large-scale data-centers
- Innovative models, architectures, and algorithms for distributed and parallel data analytics
- Energy-efficiency and power management issues in large-scale data processing environments
- Database Management System and Algorithm Designs for emerging hardware architectures: Multi-core processors, larger on-chip caches, large inexpensive RAM, and flash memory
- Data management applications (e.g., Web mashups, social networks, scientific databases, sensor networks)
- Performance and scalability (e.g., indexing, hardware accelerators)
- Application of Machine-learning and Data-mining techniques for autonomic database systems
- Other aspects of modern information systems such as security, privacy, personalization, user interfaces, etc.

### IMPORTANT DATES

October 29, 2009: Abstract submission (research papers only)

November 5, 2009: Manuscript submission (research papers, industrial papers, demonstration proposals)

December 3, 2009: Tutorial and Panel proposals submission

February 15, 2010: Notification of acceptance

March 15, 2010: Final camera-ready papers due

### SUBMISSION

All aspects of the submission and notification process will be handled electronically. Detailed submission instructions will be posted on the conference website. As has become the tradition for SIGMOD, research papers will be judged for quality and relevance through double-blind reviewing, where the identities of the authors are withheld from the reviewers. Thus, author names and affiliations must not appear in the paper, and bibliographic references must be adjusted to preserve author anonymity. Details on anonymity requirements are available on the web page.

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## 29<sup>th</sup> ACM SIGMOD-SIGACT-SIGART Symposium on Principles of Database Systems (PODS)

The PODS symposium series, held in conjunction with the SIGMOD conference series, provides a premier annual forum for the communication of new advances in the theoretical foundations of database systems. For the 29th edition, original research papers providing new insights in the specification, design, or implementation of data-management tools are called for. We especially welcome papers addressing such insights in emerging database environments and applications. Topics that fit the interests of the symposium include the following (as they pertain to databases):

### TOPICS OF INTEREST

Topics that fit the interests of the symposium include the following (as they pertain to databases):

- languages for semi-structured data (including XML and RDF);
- search query languages (including techniques from information retrieval);
- distributed and parallel aspects of databases (including cloud computing);
- dynamic aspects of databases (updates, views, real-time and sensor data, approximate query answering, data streams);
- incompleteness, inconsistency, and uncertainty in databases;
- schema and query extraction;
- data integration;
- data exchange;
- provenance;
- workflows;
- metadata management;
- meta-querying;
- semantic-Web data and ontologies;
- data mining and machine learning techniques for databases;
- constraints (specification, reasoning, mining, constraint databases);
- privacy and security;
- Web services;
- model theory, logics, algebras and computational complexity;
- data modeling;
- data structures and algorithms for data management;
- design, semantics, and optimization of query and database languages;
- domain-specific databases (multi-media, scientific, spatial, temporal, text).

### IMPORTANT DATES

December 4, 2009: Abstract submission

December 11, 2009: Manuscript submission

March 3, 2010: Notification of acceptance

April 2, 2010: Final camera-ready papers due

### SUBMISSION

All aspects of the submission and notification process will be handled electronically. Detailed submission instructions will be posted on the conference website. Note that, unlike the SIGMOD conference, PODS does not use double-blind reviewing, and therefore PODS submissions should be eponymous (i.e., the names and affiliations of authors should be listed on the paper). The results must be unpublished and not

submitted elsewhere, including the formal proceedings of other symposia or workshops. Authors of an accepted paper will be expected to sign copyright release forms, and one author is expected to present it at the conference.

## ORGANIZATION

General Chair	Jan Paredaens (University of Antwerp)
Program Chair	Dirk Van Gucht (Indiana University)
Publicity Chair	Yuqing Wu (Indiana University)
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## SIGMOD Demonstration Track

The SIGMOD demonstration program has become a popular venue to demonstrate the utility of database research prototypes. Because of its continued success, the demonstration program has become highly selective and, therefore, well regarded. Demonstrations of innovative database system research are solicited, which illustrate research contributions in an interesting, intuitive, and interactive manner.

We solicit submissions that will demonstrate major, new, advances in the state-of-the-art of data management technologies. A demonstration proposal should differ from regular research papers in several important aspects. First, it should clearly describe the overall architecture of the system or technology demonstrated, without being a short research paper. Second, it should put great emphasis on the motivation, applications, and novelty of the presented system or technology. Third and importantly, it should clearly describe the demonstration scenario. In particular, it should clearly explain how the audience can interact with the demonstrated system, in order to obtain understanding of the underlying technology. For demonstrations running over the web, a back-up scenario should be described, in case of low connectivity at the demonstration venue.

### IMPORTANT DATES

November 5, 2009: Manuscript submission  
February 15, 2010: Notification of acceptance  
March 15, 2010: Final camera-ready papers due

### SUBMISSION

All aspects of the submission and notification process will be handled electronically. Detailed submission instructions will be posted on the conference website. Submissions to the demonstrations track are not subject to double blind reviewing. The author name(s) and affiliation(s) must be present in the submitted document. Any proposal violating the length, file type, or formatting requirements will be rejected without review.

### PROGRAM COMMITTEE

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## **SIGMOD Industrial Track**

The industrial track of SIGMOD 2010 will be the forum for high quality presentations on innovative commercial software for all facets of information technology solving significant information management problems. The topics include innovations in commercial database management and middleware systems including information integration and warehousing, cloud computing platforms and applications, benchmarking, as well as significant applications leveraging database and information retrieval technology. Submissions that do not relate to commercial software or industrial-strength software intended for wide use are discouraged. Acceptance criteria will be innovativeness of software and the potential of impact.

We invite proposals for individual talks for the industrial track to be submitted electronically via the industrial track submission website. A talk proposal consists of a 500 word abstract. Reviews will not be provided for talk proposals. The industrial track committee will contact potential speakers upon review of proposals for further details and evaluation. Invitation for a talk may or may not result in a paper published in the conference proceedings. This decision will be at the discretion of the industrial track PC. We also invite proposals for entire sessions to be sent by email to the Industrial Program Chair. Such proposals should be about a coherent theme of relevance to the data management industry and identify the speakers in the session.

The deadline for the submissions is November 5, 2009. Submissions should be uploaded through the submission site.

### **PROGRAM COMMITTEE**

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#### Committee Members

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## **SIGMOD Panel Proposals**

We solicit proposals for panels at the 2010 SIGMOD Conference in Indianapolis, Indiana. Panel proposals are expected to address new, exciting, and controversial issues. The proposed panel should be provocative, informative, and entertaining.

Panel proposals must include:

1. Description of the panel topic (no more than one page)
2. Name, affiliation, brief bio, and contact information for the proposed panel chair
3. Names, affiliations, and brief bios for up to four panelists in addition to the panel chair. The proposed panelists must have made a commitment to participate.

A mix of industry and academic panel members is encouraged.

Please submit proposals by E-mail in PDF format to Alon Halevy, halevy [at] google.com, by 5PM PST on December 3, 2009.

## **SIGMOD Tutorial Proposals**

We solicit proposals for tutorials for presentation at the 2010 SIGMOD conference. Proposals must provide an in-depth survey of the chosen topic with the option of describing a particular piece of work in detail. A meaningful summary of open issues in the topic would be a plus.

Proposals must be no more than five pages, using an 11 pt or larger font for the body of the text of the proposal, and must include enough details to provide a sense of both the scope of material to be covered and the depth to which it will be covered. Proposals should also indicate the tutorial length (typically 1.5 or 3 hours; if the tutorial can be either length, please be sure to identify which material is included for each length). Proposals should also identify any other venues in which all or part of the tutorial has been or will be presented, and explain how the current proposal differs from those other editions of the tutorial. Tutorial proposals must clearly identify the intended audience and any prerequisite knowledge for attendees. Proposals should include a brief (no more than 3 sentences) professional biography.

Please submit proposals by E-mail (in PDF format) to Bernhard Mitschang (Bernhard.Mitschang [at] ipvs.uni-stuttgart.de) by 5PM PST on December 3rd, 2009.