PRELIMINARY CALL FOR PAPERS

31st ACM SIGMOD–SIGACT–SIGART Symposium on

PRINCIPLES OF DATABASE SYSTEMS (PODS 2012)

May 21 - May 23, 2012, Scottsdale, Arizona

Program Chair:

Michael Benedikt, Oxford
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Program Committee:

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PODS General Chair:

Maurizio Lenzerini
University of Rome La Sapienza

Proceedings & Publicity Chair:

Markus Krötzsch, Oxford

Important Dates:

Short abstracts due:	20 November 2011
Paper submission:	27 November 2011
Notification:	15 February 2012

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 (see http://www.sigmod.org/the-pods-pages). 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);
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;
constraints (specification, reasoning, mining, constraint databases);
privacy and security;
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).

In addition, we *especially welcome papers addressing emerging database environments and applications*. An External Review Committee will assist in reviewing papers in the following multi-disciplinary areas of particular interest to this edition of PODS:

Querying and Mining of Unstructured Data
Anhai Doan *(Kosmix, Wisconsin)*, Aristides Gionis *(Yahoo! Labs)*, Djoerd Hiemstra *(Twente)*, Stefano Leonardi *(University of Rome La Sapienza)*, Evimaria Terzi *(Boston University)*

Web Services, Web Programming and Data-Centric Workflow
Wil van der Aalst *(Eindhoven)*, Anders Møller *(Aarhus)*, Farouk Toumani *(ISIMA)*, David Walker *(Princeton)*, Karsten Wolf *(Rostock)*

Learning of Data Models and Queries
Deepak Agarwal *(Yahoo! Labs)*, James Cussens *(York U.)*, Amol Deshpande *(U. Maryland)*, Kristian Kersting *(Fraunhofer Institute IAIS, U. Bonn)*

Cloud Computing and Next-generation Distributed Query Processing
Shivnath Babu *(Duke)*, Phillip Gibbons *(Intel Labs)*, Monica Lam *(Stanford)*, Boon Thau Loo *(U. Penn)*, Volker Markl *(TU Berlin)*

Semantic, Linked, Networked, and Crowdsourced Data
Panagiotis Ipeirotis *(NYU)*, David Karger *(MIT)*, Carsten Lutz *(Bremen)*, Boris Motik *(Oxford)*

Submitted papers should be at most twelve pages, including bibliography, using reasonable page layout and font size of at least 9pt (note that the SIGMOD style file does not have to be followed). Additional details may be included in an appendix, which, however, will be read at the discretion of the PC. *Papers longer than twelve pages (excluding the appendix) or in font size smaller than 9pt risk rejection without consideration of their merits.* The submission process will be through the Web at:

http://www.easychair.org/conferences/?conf=pods2012

Note that, unlike the SIGMOD conference, PODS does not use double-blind reviewing.

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.

Best Paper Award: An award will be given to the best submission, as judged by the PC.

Best Student Paper Award: There will also be an award for the best submission, as judged by the PC, written exclusively by a student or students. An author is considered as a student if at the time of submission, the author is enrolled in a program at a university or institution leading to a doctoral/master's/bachelor's degree. The PC reserves the right to give both awards to the same paper, not to give an award, or to split an award among several papers.