CALL FOR PAPERS

34th ACM SIGMOD–SIGACT–SIGAI Symposium on

PRINCIPLES OF DATABASE SYSTEMS (PODS 2015)

June 1 - June 3, 2015, Melbourne, Victoria, Australia

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Marco Montali *(Free U. Bozen-Bolzano)*

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 data management, traditional or non-traditional (see sigmod.org/the-pods-pages).

For the 34th edition, PODS aims at broadening its scope, and calls for research papers providing original, substantial contributions along one or more of the following aspects:

- *deep theoretical exploration* of topical areas central to data management;
- *new formal frameworks* that aim at providing the basis for deeper theoretical investigation of important emerging issues in data management; and
- *validation of theoretical approaches* from the lens of practical applicability in data management.

Topics of Interest: Topics that fit the interests of the symposium include the following:

- *design, semantics, and optimization of query and database languages;*
- *data modeling; data structures and algorithms for data management;*
- *query languages for semi-structured data (including XML and RDF);*
- *search query languages (including techniques from information retrieval);*
- *approximate query answering;*
- *model theory, logics, algebras and computational complexity;*
- *dynamic aspects of databases (updates, views);*
- *foundations of "big data" and "small data", and support for data analytics;*
- *streaming data; real-time and sensor data;*
- *data-centric (business) process management, workflows, web services;*
- *automated verification and synthesis of data-driven and data-centric systems;*
- *incompleteness, inconsistency, and uncertainty in databases;*
- *constraint specification, reasoning, and mining;*
- *metadata management; querying and reasoning over data and metadata;*
- *semantic, linked, networked, and crowdsourced data;*
- *data and knowledge integration and exchange;*
- *distributed and parallel data management and query processing; cloud computing;*
- *domain-specific databases (multi-media, scientific, spatial, temporal, text);*
- *mining and learning of data models and queries;*
- *schema and query extraction;*
- *privacy; security; provenance.*

Submission Format: Submitted papers should be at most twelve pages, including bibliography, using reasonable page layout and font size of at least 10pt (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 10pt risk rejection without consideration of their merits.* The submission process will be through the Web at *easychair.org/conferences/?conf=pods2015*. Note that, unlike the SIGMOD conference, PODS does not use double-blind reviewing, and therefore PODS submissions should have the names and affiliations of authors 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.

Important Dates: Unlike previous PODS conferences, there are two submission deadlines as below. The first submission cycle involves two rounds of reviewing to allow for revisions, while the second submission cycle involves a single round of reviewing, as for previous PODS conferences. Papers submitted in the first cycle are not allowed to be re-submitted in the second cycle.

First submission cycle:

October 3, 2014:	Research paper abstracts due
October 10, 2014:	Research paper submissions due
December 19, 2014:	Notification of acceptance, rejection, or resubmission
January 30, 2015:	Revised submissions due
March 9, 2015:	Notification of acceptance or rejection
March 22, 2015:	Camera-ready due

Second submission cycle:

November 28, 2014:	Research paper abstracts due
December 5, 2014:	Research paper submissions due
February 20, 2015:	Notification of acceptance or rejection
March 22, 2015:	Camera-ready due

Awards: *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 by a student or exclusively by 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. Papers authored or co-authored by PC members are not eligible for an award.