

Call for Papers

DBPL 2015: 15th International Symposium on Database Programming Languages

Affiliated with SPLASH 2015, Pittsburgh, Pennsylvania, USA, October 25–30, 2015

<http://conf.researchr.org/home/dbp12015>

Important Dates

Abstract submission:	June 10
Submission:	June 15
Notification:	July 15
Final papers due:	August 14
Workshop:	October 27

Program Committee

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For over 25 years, DBPL has established itself as the principal venue for publishing and discussing new ideas at the intersection of databases and programming languages. Many key contributions in query languages for object-oriented data, persistent databases, nested relational data, and semistructured data, as well as fundamental ideas in types for query languages, were first announced at DBPL. Today, this creative research area is broadening into a subfield of data-centric computation, currently scattered among a range of venues. DBPL is an established destination for such new ideas and solicits submissions from researchers in databases, programming languages or any other community interested in the design, implementation or foundations of data-centric computation.

DBPL solicits practical and theoretical papers in all topics at the intersection of databases and programming languages. Papers emphasizing new topics or emerging areas are especially welcome. Suggested, but not exclusive, topics of interest for submissions include:

- Compiling Query Languages to Modern Hardware
- Data-Centric Programming Abstractions, Comprehensions, Monads
- Data Integration, Exchange, and Interoperability
- Data Synchronization and Bidirectional Transformations
- Declarative Data Centers
- Emerging and Nontraditional Data Models
- Language-Based Security in Data Management
- Language-Integrated Query Mechanisms
- Managing Uncertain and Imprecise Information
- Metaprogramming and Heterogeneous Staged Computation
- Programming Language Support for Databases
- Query Compilation and In-memory Databases
- Query Language Design
- Query Transformation and Optimization
- Schema Mapping and Metadata Management
- Semantics and Verification of Database Systems
- Stream Data Processing and Query Languages
- Type Systems for Data-Centric Programming
- Validation, Type-checking

Prospective authors are invited to submit full papers in English presenting original research. Submitted papers must be unpublished and not submitted for publication elsewhere. Submissions should be no more than 10 pages long in the ACM SIGPLAN format. Each submission should begin with a succinct statement of the problem and a summary of the main results. Authors may provide more details to substantiate the main claims of the paper by including a clearly marked appendix at the end of the submission, which is not included in the page limit and is read at the discretion of the committee. Short papers of at most 4 pages (ACM SIGPLAN format) describing work in progress, demos, research challenges or visions are also welcome. Accepted short papers may be included or excluded from the proceedings, according to the preferences of the authors. At least one author of each accepted paper must attend the symposium to present their work.