



## Logic in Databases

# LID 2008

Rome, Italy, 19-20 May 2008

Ever since Codd's Relational Model, logic has played a major role in the field of databases. The significance and impact of this role have grown stronger over the years as data management research marched through many a data model, with logic keeping up and providing the foundations every step of the way. Some of the latest additions to this long list of models are XML, Semantic Web, Probabilistic Relational models, integrated model of DB+IR, data integration models, and models of unclear data to name a few. For some of these, corresponding logics already exist or are being explored. The significance of logic's role for data management will continue regardless of the data model. Logic is a fundamental tool for understanding and analyzing several aspects of data management. The Logic in Databases (LID'08) workshop is a forum for bringing together researchers from around the world who are focusing on all logical aspects of data management.

The **Logic in Databases** (LID'08) workshop is a forum for bringing together researchers from around the world who are focusing on all logical aspects of data management.

LID'08 is a confluence of three successful past events:

- LID'96, an international workshop on Logic in Databases, which LID'08 derives its name from
- IIDB'06, an international workshop on Inconsistency and Incompleteness in Databases
- LAAIC'06, an international workshop on Logical Aspects and Applications of Integrity Constraints

The workshop will be focused on applications of logic to every aspect of database management and related topics. Topics of interest include but are not limited to the following, as they pertain to logic in databases:

- consistent query answering
- data exchange
- data mining
- data warehousing and OLAP for novel forms of data
- database repairing
- DB + IR
- incomplete information
- inconsistency tolerance
- inductive databases
- knowledge discovery
- logical approaches to inconsistency
- logic programming
- nonmonotonic reasoning
- ordered data/query models (top-K)
- privacy/security
- semantic web
- social networks
- uncertain data (fuzzy, probabilistic, etc.) and imprecision

LID 2008 is aimed at gathering researchers and practitioners from the academia and the industry.

The workshop will take place in the beautiful historical city of Rome, Italy, on 19-20 May 2008.

LID 2008 will have informal proceedings. Selected top papers from the workshop will be invited for publication in a special issue of the **Journal of Applied Logic**.

## Important dates

Paper submission	February 15, 2008
Notification to authors	March 24, 2008
Camera-ready copy due	April 8, 2008
Workshop	May 19-20, 2008

## Invited Speakers

Leopoldo Bertossi	Carleton University, Canada
Maurizio Lenzerini	Università di Roma 'La Sapienza', Italy
Leonid Libkin	University of Edinburgh, UK

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## Web page

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