



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

Conference Officers

General Chair

Georg Gottlob	Oxford University, UK
---------------	-----------------------

Steering Committee

Jan Chomicki	University at Buffalo, USA
Henning Christiansen	Roskilde University, Denmark
Dino Pedreschi	Università di Pisa, Italy
Jef Wijsen	Universite de Mons-Hainaut, Belgium
Carlo Zaniolo	UCLA, USA

Program Committee co-Chairs

Andrea Cali'	Oxford University, UK
Laks V.S. Lakshmanan	University of British Columbia, Canada
Davide Martinenghi	Politecnico di Milano, Italy

Program Committee

Ofer Arieli	Academic College of Tel-Aviv, Israel
Leopoldo Bertossi	Carleton University, Canada
Toon Calders	Eindhoven Tech. Univ., The Netherlands
Stefano Ceri	Politecnico di Milano, Italy
Nilesh Dalvi	Yahoo! Research
Hendrik Decker	Instituto Tecnológico de Informática, Spain
Thomas Eiter	T.U. Vienna, Austria
Wenfei Fan	University of Edinburgh, UK
Enrico Franconi	Free University of Bozen-Bolzano, Italy
Ariel Fuxman	Microsoft Research
Gosta Grahne	Concordia University, Canada
Sergio Greco	Università della Calabria, Italy
Claudio Gutierrez	Universidad de Chile, Chile
Mohand-Said Hacid	University Claude Bernard Lyon 1, France
Maurizio Lenzerini	Università di Roma 'La Sapienza', Italy
Nicola Leone	Università della Calabria, Italy
Jerzy Marcinkowski	University of Wrocław, Poland
Jian Pei	Simon Fraser University, Canada
R. Ramanujam	Institute of Mathematical Sciences, India
Thomas Schwentick	Universitaet Dortmund, Germany
Divesh Srivastava	AT&T Labs, Inc. - Research
V.S. Subrahmanian	University of Maryland, USA
Alex Thomo	University of Victoria, Canada

Sponsors

The CONTROL project (Danish National Science Research Council)
 IBM Italia
 Politecnico di Milano
 Università di Roma 'La Sapienza'

Web page

<http://conferenze.dei.polimi.it/lid2008/>