Call For Papers

6th International Workshop on

Deductive Databases and Logic Programming DDLP'98

Manchester, United Kingdom, June 20, 1998

Joint International Conference and Symposium on Logic Programming – JICSLP'98 Post–Conference Workshop

Organizing Committee

Piero Fraternali, Politecnico di Milano
Piazzale Gerbetto 6, 22100 Como, Italy
Email: *fraterna@elet.polimi.it*

Ulrich Geske, GMD–FIRST
Rudower Chaussee 5, 12489 Berlin, Germany
Email: *geske@first.gmd.de*

Carolina Ruiz, Worcester Polytechnic Institute
Worcester, MA 01609, USA
Email: *ruiz@cs.wpi.edu*

Dietmar Seipel, Univ. of Würzburg
Am Hubland, 97074 Würzburg, Germany
Email: *seipel@informatik.uni-wuerzburg.de*

Program Committee

Nicole Bidoit	Univ. de Bordeaux 1, France
Dmitri Boulanger	Keldesh Inst., Moscow, Russia
François Bry	Univ. Munich, Germany
Piero Fraternali	Politecnico di Milano, Italy
Ulrich Geske	GMD–First Berlin, Germany
Michael Gelfond	Univ. of Texas, El Paso, USA
Fosca Giannotti	CNUCE–CNR Pisa, Italy
Jarek Gryz	York Univ., Toronto, Canada
Alexandre Lefebvre	Next Century Media, France
Vladimir Lifschitz	Univ. of Texas, Austin, USA
Jorge Lobo	Univ. Illinois, Chicago, USA
Jack Minker	Univ. of Maryland, USA
Carolina Ruiz	Worcester Polytech. Inst., USA
Chiaki Sakama	Wakayama Univ., Japan
Dietmar Seipel	Univ. Würzburg, Germany
Adnan Yahya	Birzeit Univ., Palestine

Important Dates

Submission deadline:	May 11, 1998
Notification of acceptance:	May 25, 1998
Camera ready version:	June 7, 1998

World–Wide–Web

http://www.first.gmd.de/~geske/ddlp_98.html
http://www.cs.wpi.edu/~ruiz/ddlp_98.html
http://www-info1.informatik.uni-wuerzburg.de/ddlp_98

The integration of *logic* and *deduction* into databases and knowledge bases has created the field of *deductive databases.* Deductive databases can be used for building intelligent information systems. Logic programming provides a powerful declarative language for accessing and maintaining knowledge in databases. In addition, techniques from automated deduction and deductive databases are useful for achieving efficient retrieval and reasoning in large knowledge bases.

Recent results in logic programming, constraint logic programming, program transformation and optimization, and non–monotonic reasoning are useful for extending the expressive power and the computational efficiency of deductive database systems.

With the goal of creating opportunities for active discussions on new research directions and the exchange of latest results in the above areas, we are organizing a one day workshop, with presentations of half an hour. This will be the sixth in a series of DDLP workshops that have been held in conjunction with ICLP conferences since 1993.

Suggested topics for submissions include, but are not limited to:

- **disjunctive deductive databases, uncertain information**
- **non–monotonic reasoning**
- **query languages** and **optimization**
- **program transformations**
- **heterogeneous knowledge bases**
- **constraint databases**
- **data mining**
- **semi–structured information, querying the Web**
- **object–oriented databases**
- **active, and temporal databases**

Submissions

The primary focus is on new and original research. But we also encourage the submission of papers describing products, prototypes in development or benchmarks. Full papers or extended abstracts in English of 6 to 10 pages are welcome. Authors are invited to send their papers to one of the organizers by May 11, 1998. Submission in LaTeX format (please use the predefined format to be found at the DDLP'98 web pages) by e-mail is encouraged.