

## FINAL CALL FOR PAPERS

# 26th International Conference on Logic Programming (ICLP 2010) Theory and Practice of Logic Programming

Edinburgh, Scotland, U.K., July 16-19, 2010

ICLP 2010 will be held as part of the *Fifth Federated Logic Conference (FLoC 2010)*

**Submission deadline: Jan 31/Feb 7, 2010**

<http://www.floc-conference.org/ICLP-home.html>

### CONFERENCE SCOPE

Since the first conference held in Marseilles in 1982, ICLP has been the premier international conference for presenting research in logic programming. Contributions (papers and posters) are sought in all areas of logic programming including but not restricted to:

**Theory:** Semantic Foundations, Formalisms, Non-monotonic Reasoning, Knowledge Representation.

**Implementation:** Compilation, Memory Management, Virtual Machines, Parallelism.

**Environments:** Program Analysis, Transformation, Validation, Verification, Debugging, Profiling, Testing.

**Language Issues:** Concurrency, Objects, Coordination, Mobility, Higher Order, Types, Modes, Assertions, Programming Techniques.

**Related Paradigms:** Abductive Logic Programming, Inductive Logic Programming, Constraint Logic Programming, Answer-Set Programming.

**Applications:** Databases, Data Integration and Federation, Software Engineering, Natural Language Processing, Web and Semantic Web, Agents, Artificial Intelligence, Bioinformatics.

In addition to the presentations of accepted papers, the technical program will include plenary invited talks in association with other FLoC conferences, as well as ICLP invited talks, advanced tutorials, the doctoral consortium, and several workshops.

### SUBMISSION DETAILS

The four broad categories for submissions are: (1) technical papers for describing technically sound, innovative ideas that can advance the state of the art of logic programming; (2) application papers, where the emphasis will be on their impact on the application domain; (3) system and tool papers, where the emphasis will be on the novelty, practicality, usability and general availability of the systems and tools described; and (4) technical communications, aimed at describing recent devel-

opments, new projects, and other materials that are not ready for main publication as standard papers.

All papers must describe original, previously unpublished research, and must not simultaneously be submitted for publication elsewhere. They must be written in English. Technical papers, application papers, and system and tool papers must not exceed 15 pages plus bibliography. The limit for technical communications is 10 pages. Submissions must be made in TPLP format (<ftp://ftp.cup.cam.ac.uk/pub/texarchive/journals/latex/tlp-cls/>) via the EasyChair submission system, available at <http://www.easychair.org/conferences/?conf=iclp2010>.

### IMPORTANT DATES

<b>Paper registration (abstract):</b>	Jan 31, 2010 (extended)
<b>Submission deadline:</b>	Feb 7, 2010 (extended)
<b>Notification to authors:</b>	Mar 20, 2010
<b>Camera-ready copy due:</b>	Apr 21, 2010
<b>Conference:</b>	Jul 16-19, 2010

### PAPER PUBLICATION

All accepted long papers will be published in the journal *Theory and Practice of Logic Programming (TPLP)*, Cambridge U. Press (CUP), in one or more special issues. In order to ensure the quality of the final version, papers may be subject to more than one round of refereeing (within the decision period) and/or “shepherding.” The program committee may also recommend standard papers to be published as technical communications.

At the time of the conference CUP will make the web page for this(ese) TPLP issue(s) available including volume and issue numbers, table of contents, page numbers, and the papers themselves. All registered attendants at the conference will get a password for on-line access to this web page during the conference and indefinitely from then on (“lifetime access”), which can be used to read papers on line, download them, or print them for personal use. Attendants will also receive all the papers in a memory stick at the conference.

The collection of technical communications will appear as a volume of the LIPIcs (Leibniz International Proceedings in Informatics) series, and published online through the Dagstuhl Research Online Publication Server (DROPS). All technical communications will also get space in the program for presentation. The journal issue(s) will also include a listing of the technical communications, with pointers to the LIPIcs/DROPS volume.

## ICLP'2010 ORGANIZATION

### General Chair:

Veronica Dahl (*Simon Fraser University, Canada*)

### Program Co-chairs:

Manuel Hermenegildo (*IMDEA Soft. and UPM, Spain*)

Torsten Schaub (*University of Potsdam, Germany*)

### Workshops Chair:

Veronica Dahl (*Simon Fraser University, Canada*)

### Doctoral Consortium:

Marcello Balduccini (*Kodak Research Labs, USA*)

Alessandro Dal Palu' (*U. degli Studi di Parma, Italy*)

### Prolog Programming Contest:

Tom Schrijvers (*K.U. Leuven, Belgium*)

## PROGRAM COMMITTEE

María Alpuente (*Technical U. of Valencia, Spain*)

Pedro Cabalar (*Coruña University, Spain*)

Manuel Carro (*Technical U. of Madrid, Spain*)

Luc De Raedt (*K. U. Leuven, Belgium*)

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Wim Vanhoof (*University of Namur, Belgium*)

Kewen Wang (*Griffith University, Australia*)

Stefan Woltran (*Vienna U. of Technology, Austria*)

Neng-Fa Zhou (*City University of New York, USA*)

## SPONSOR

The conference is sponsored by the Association for Logic Programming (ALP).

## FINANCIAL ASSISTANCE

The Association for Logic Programming has funds to assist financially disadvantaged participants and, especially, students in order to be able to attend the conference.

## WORKSHOPS

The ICLP 2010 program will include several workshops, held also as part of FLoC. They are perhaps the best places for the presentation of preliminary work, undeveloped novel ideas, and new open problems to a wide and interested audience with opportunities for intensive discussions and project collaboration.

## DOCTORAL CONSORTIUM

The 6th Doctoral Consortium (DC) on Logic Programming provides research students with the opportunity to present and discuss their research directions, and to obtain feedback from both peers and world-renown experts in the field. Accepted participants will receive partial financial support to attend the event and the main conference. The best paper and presentation from the DC will be given the opportunity to present in a special session of the main ICLP conference.

## CONFERENCE VENUE / CO-LOCATION

In 2010 (as in the previous two FLoC editions) ICLP will be held as part of the Fifth Federated Logic Conference, FLoC 2010 in Edinburgh, Scotland, U.K., July 16-19, 2010. FLoC is held every four years bringing together several international conferences related to mathematical logic and computer science. Other participating conferences are:

- Computer-Aided Verification (CAV),
- Int'l Joint Conference on Automated Reasoning (IJCAR),
- Interactive Theorem Proving (ITP),
- Logic in Computer Science (LICS),
- Rewriting Techniques and Applications (RTA), and
- Theory and Applications of Satisfiability Testing (SAT).

Plenary events involving multiple conferences are planned.