CALL FOR PAPERS
28th International Conference on Logic Programming (ICLP 2012)
http://www.cs.bme.hu/iclp2012/
Budapest, Hungary, September 4–8, 2012

The International Conference on Logic Programming is the premier venue for presenting research in logic programming. ICLP 2012 will take place in Budapest, honouring the important contribution that the Hungarian logic programming community has given to this field. The ICLP technical program will include presentations of accepted papers, invited talks, advanced tutorials and panels, a special session on most influential papers, the doctoral consortium, the Prolog programming contest, and several workshops. Contributions 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/Inductive/Constraint Logic Programming, Answer-Set Programming.

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

There are four broad categories for submissions: (1) technical papers describe technically sound, innovative ideas that can advance the state of the art of logic programming; (2) application papers present real-world applications of logic programming; (3) system and tool papers focus on the novelty, practicality, usability and general availability of the systems and tools described; and (4) technical communications aim at describing recent developments, new projects, and other materials that are not ready for publication as standard papers. Technical papers, application papers, and system and tool papers must not exceed 15 pages plus bibliography. The limit for technical communications is 10 pages. For detailed formatting instructions, see [http://www.cs.bme.hu/iclp2012#format](http://www.cs.bme.hu/iclp2012#format).

### Important Dates (Submission dates EXTENDED)

- **Workshop Proposals:**
  - Paper registration (abstract, **strict**):
  - Submission deadline (**strict**):
  - Notification to Authors (first round):
  - Notification to Authors (second round):
  - Camera-ready LIPIcs copy due:
  - Camera-ready TPLP copy due:
  - Conference:

- **February 10, 2012**
- **March 18, 2012**
- **March 25, 2012**
- **May 5, 2012**
- **June 10, 2012**
- **June 10, 2012**
- **July 1, 2012**
- **September 4-8, 2012**
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 lifetime access to the web site for the online version of the issue(s). Pointers to the arXiv/CoRR versions of these papers will be guaranteed from the ALP website [www.logicprogramming.org](http://www.logicprogramming.org). 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.

SPONSORS

The conference is sponsored by the Association for Logic Programming (ALP), the Artificial Intelligence Section of the John von Neumann Computer Society and by AIT, the Aquincum Institute of Technology, Budapest.

FINANCIAL ASSISTANCE

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

WORKSHOPS

The ICLP 2012 program will include several workshops, held before, after, and in parallel with the main conference. 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 8th 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. See [http://sites.unife.it/iclp-dc-2012](http://sites.unife.it/iclp-dc-2012) for details.

PROLOG PROGRAMMING CONTEST

ICLP 2012 will also feature the 19th edition of the Prolog Programming Contest.

CONFERENCE VENUE

Budapest is located in the center of Hungary, in the heart of Central Europe. Hungary is member of the European Union and belongs to the Schengen area. Detailed tourist and travel information can be obtained from [http://www.budapestinfo.hu/index.php?id=home_en](http://www.budapestinfo.hu/index.php?id=home_en). Hungary is well-served by transport links from abroad. The main international airport is Budapest Ferihegy [http://www.bud.hu/english](http://www.bud.hu/english). Budapest is linked to 15 European capitals by train (eg. Wien-Budapest trip is less than 3 hours), directly or indirectly (see [http://www.mav-start.hu/english](http://www.mav-start.hu/english) for details).


PICTURE CREDITS

The Budapest picture is kindly provided by Alessandro Dal Palù.