

GEORGE
BOOLE*
200

CALL FOR PAPERS 31st International Conference on Logic Programming (ICLP 2015)

<http://booleconferences.ucc.ie/iclp2015>

Cork, Ireland
August 31 – September 4, 2015



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University College Cork

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Since the first conference held in Marseilles in 1982, ICLP has been the premier international conference for presenting research in logic programming. ICLP 2015 will be co-located with the 21st International Conference on Principles and Practice of Constraint Programming (CP 2015) and is part of “The Year of George Boole”, a celebration of the life and work of George Boole who was born in 1815 and worked at the University College of Cork.

Contributions are sought in all areas of logic programming, including but not restricted to:

Theory: Semantic Foundations, Formalisms, Nonmonotonic Reasoning, Knowledge Representation.

Implementation: Compilation, Virtual Machines, Parallelism, Constraint Handling Rules and Tabling.

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

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

Related Paradigms: Inductive and Coinductive Logic Programming, Constraint Logic Programming, Answer-Set Programming, SAT, Constraints, Computational Argumentation, Abductive Logic Programming, Functional Logic Programming.

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

In addition to the presentations of accepted papers, the technical program will include invited talks, advanced tutorials, the doctoral consortium, the LP/CP contest and several workshops.

Important Dates

Abstracts Due:	April 20, 2015
Papers Due:	April 27, 2015
Notification to Authors:	June 5, 2015
Camera-ready Versions Due:	July 21, 2015
Conference:	August 31–September 4, 2015



SUBMISSION CATEGORIES

There are two categories for submissions:

- Regular papers, including: (1) technical papers for describing technically sound, innovative ideas that can advance the state of logic programming; (2) application papers, with emphasis on impact on some application domains; (3) system and tool papers, with emphasis on novelty, practicality, usability and availability of the systems and tools described.
- Technical communications aimed at describing recent developments, new projects, and other materials not ready for publication as regular papers.

All regular papers and technical communications will be presented during the conference. All submissions must be written in English and describe original, previously unpublished research, and must not simultaneously be submitted for publication elsewhere.

Regular papers must not exceed 12 pages plus bibliography: however the papers may include appendices beyond 12 pages. Technical communications must not exceed 10 pages. Submissions must be made in the TPLP format (see http://journals.cambridge.org/images/fileUpload/images/tlp_ifc_MAY2014.pdf) via the Easy-Chair submission system, available at www.easychair.org/conferences/?conf=iclp2015.

PAPER PUBLICATION

All accepted regular papers will be published in the journal Theory and Practice of Logic Programming (TPLP), Cambridge University Press (CUP), in one or more special issues. In order to ensure the quality of the final version, papers may be subject to two rounds of refereeing (within the decision period). Accepted technical communications will be published in archival form. The program committee may also recommend papers submitted as regular to be published as technical communications.

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, in particular, students in order to be able to attend the conference.

DOCTORAL CONSORTIUM

The 11th Doctoral Consortium (DC) on Logic Programming provides PhD students with the opportunity to discuss their research directions, and to obtain feedback from both peers and world-renowned experts in the field. Accepted participants are expected to receive partial financial support to attend the event and the main conference.

CONFERENCE VENUE

ICLP 2015 is one of a series of conferences being held at University College Cork (UCC), Ireland, to celebrate the bicentenary of George Boole (1815-64). Boole was the first Professor of Mathematics at Queen's College Cork (now UCC), where he wrote *The Laws of Thought* (1854).

PICTURE CREDITS

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