

CALL FOR PAPERS 21st International Conference on
Principles and Practice of Constraint Programming (CP 2015)

<http://booleconferences.ucc.ie/cp2015>

Cork, Ireland
August 31 – September 4, 2015



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École Polytechnique de Montréal

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The CP conference is the annual international conference on constraint programming. It is concerned with all aspects of computing with constraints, including theory, algorithms, environments, languages, models, systems, and applications such as decision making, resource allocation, scheduling, configuration, and planning.

The CP 2015 programme will include presentations of high quality scientific research papers and applications of constraints technology. A number of invited talks will also be presented that will describe important topics relevant to the field. As well as the usual workshop, tutorial and doctoral programmes, we will repeat last year's published journal paper track in which important results that have recently appeared in journals will be presented, and introduce to this conference a journal publication fast track for outstanding submissions. Special events are also planned, including an industry outreach programme and a model & solve competition.

Important Dates

Abstracts (technical & application tracks):	April 17, 2015
Papers (technical & application tracks):	April 22, 2015
Abstracts (published journal paper track):	May 20, 2015
Provisional reviews to authors:	May 25, 2015
Author feedback:	May 27, 2015
Notification to Authors:	June 10, 2015
Camera-ready Versions:	June 22, 2015
Conference:	Aug 31–Sept 4, 2015

Please consult the conference web page for the submission procedure.



TECHNICAL TRACK

We solicit papers that report on significant, original, and previously unpublished research on all aspects of computing with constraints. Full paper submissions are limited to 15 LNCS pages plus references while short paper submissions are limited to 8 LNCS pages plus references. Short papers will be reviewed to the same standards of quality as full papers but are not expected to contain as much original material. Short papers will have the same status as long papers and be eligible for the best paper prize.

APPLICATION TRACK

We encourage industrial and academic users of constraint technology to submit papers on completed or on-going practical projects. Papers comparing constraint technology to other optimization techniques (MIP, local search, SAT, etc.) on a realistic application with a sound experimental evaluation are also encouraged. Papers which clearly define users' benefits, describe the required effort to build the application and the time frame in which it was delivered, will match the acceptance criteria most closely. The novelty of the application domain, while potentially a plus, is not the only deciding acceptance criterion. Application papers will be reviewed by a program committee with significant experience in the use of CP in applications. The writing of the paper should be guided by providing answers to four main questions: Problem being solved? Why CP? How CP? Added value of CP? Formatting, length, and dates for submissions are the same as for the technical track.

PUBLISHED JOURNAL PAPER TRACK

The goal of this track is to provide a forum to discuss important results in the area of constraint programming, including those at the interface of another area (scientific, industrial, artistic...), that appeared or were accepted recently (in the last two years) in relevant journals, but have not been previously presented at CP, CPAIOR, or any major AI conference. Authors of accepted papers will be invited to give an oral presentation at the conference and to provide a one-page abstract citing their journal paper for the conference proceedings. Papers that are in press may be submitted as long as the final camera-ready version is available at the time of the conference. Extensions of papers that have been previously presented in the main technical or application programmes at CP, CPAIOR, or another major AI conference (such as IJCAI, AAI, ECAI) cannot be submitted to this track. Submissions will go through an expedited selection process. Selection criteria include significance of the results and relevance to the constraint programming community.

JOURNAL PUBLICATION FAST TRACK

Outstanding submissions to the technical or application tracks will be offered the opportunity to be published exclusively through a fast-track process in the Constraints journal: following a second round of minor review they will be accepted directly in the journal by the time of the conference. Authors of these papers can opt to extend their paper from 15 to 20 pages plus references. These papers will be acknowledged through a one-page abstract in the conference proceedings and will be presented during the conference on the same ground as any other accepted submission. Authors who decline to fast track their submission revert to a standard conference submission and are subject to the default formatting, length and date requirements. Papers that do not clear the second round of review also revert to standard conference paper status.

CONFERENCE PROCEEDINGS

Conference proceedings will be published in the Springer Lecture Notes in Computer Science series. It will contain the accepted papers that appear in the scientific/technical and application tracks, as well as abstracts of invited talks, of contributions to the published journal paper track, and of selections for the journal publication fast track.

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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