

First Call for Papers

International Workshop on
Classical Logic and Computation (CL&C'14)

<http://www.doc.ic.ac.uk/~svb/CL&C14>

July, 13 2014

Vienna, Austria

CL&C'14 is a satellite workshop of CSL-LICS'14.

IMPORTANT DATES

Deadline for abstract:	April 4, 2014
Deadline for submission:	April 11, 2014
Notification of acceptance:	June 6, 2014
Final version due:	June 25, 2014
Workshop date:	July 13, 2014

INTRODUCTION

CL&C'14 is the fifth of a conference series on Classical Logic and Computation. It intends to cover all work aiming to explore computational aspects of classical logic and classical proofs in mathematics.

This year CL&C will be held as satellite workshop of the joint meeting of CSL and LICS at the

Vienna Summer of Logic (<http://www.vsl2014.at>)

CL&C is focused on the interplay between, on one side, the exploration of the computational content of classical mathematical proofs, and on the other side, the languages and the semantical models proposed in computer science for this task: continuations, game models, denotational models, learning models and so forth. The scientific aim of this workshop is to bring together researchers from both proof theory and computer science and to exchange ideas.

SCOPE OF CL&C

This workshop aims to support a fruitful exchange of ideas between the various lines of research on Classical Logic and Computation. Topics of interest include, but are not limited to:

- versions of lambda calculi adapted to represent classical logic;
- design of programming languages inspired by classical logic;
- cut-elimination for classical systems;
- proof representation for classical logic;
- translations of classical to intuitionistic proofs;
- constructive interpretation of non-constructive principles;
- witness extraction from classical proofs;
- constructive semantics for classical logic (e.g. game semantics);
- case studies (for any of the previous points).

SUBMISSION AND PUBLICATION.

We have room for informal talks, too. Therefore participants are encouraged to present both: work in progress, overviews of more extensive work, and programmatic / position papers, and completed projects.

All submitted papers will be reviewed to normal standards. The PC recognises two kinds of papers: it will distinguish between accepted (full) papers that contain unpublished results not submitted elsewhere, to be published on EPTCS, and presentations of (short) papers about work in progress.

The accepted papers will be published in the open access electronic journal EPTCS.

In order to make a submission:

- Format your file using the EPTCS (<http://style.eptcs.org/>) guidelines; there is a 15 page limit.
- Use the submission instructions at

<https://www.easychair.org/conferences/?conf=clc14>

PROGRAMME COMMITTEE

- * Jeremy Avigad (Carnegie Mellon)
- * José Carlos Espírito Santo (Minho)
- * Martin Escardo (Edinburgh)
- * Monika Seisenberger (Swansea)
- * Paulo Oliva (Queen Mary University of London) - chair
- * Stefano Berardi (University of Turin)
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