

# CALL-FOR-PAPERS

EXTENDED DEADLINE

## CILC 2023

38-th Italian Conference on Computational Logic

Udine, 21-23 June 2023

<https://www.programmazione logica.it/cilc23>

*Event organized by GULP — Gruppo ricercatori e Utenti Logic Programming*

The Italian Conference of Computational Logic (CILC) is the annual meeting of the Italian Association for Logic Programming (GULP - Gruppo Ricercatori e Utenti Logic Programming) and since its first edition held in Genoa in 1986 it has represented an important occasion for meeting and exchanging ideas and experiences between users, researchers, and developers working in the field of Computational Logic. The 38th annual conference will take place at the University of Udine and will be organized by the Department of Mathematics, Computer Science and Physics on 21-23 June 2023.

Over the years, the annual conference organized by GULP has broadened its horizons from the specific field of logic programming to the more general ones of Computational Logic, including for instance, declarative programming, constraints programming, and applications in various neighboring sectors, such as Artificial Intelligence and Deductive Databases. Once again with this year's conference, the GULP intends to pursue, and possibly expand, this policy by identifying, with the more general term of Computational Logic, the entire variegated world of research, both basic and applied, which directly or indirectly uses or compare with the ideas and techniques of Computational Logic.

The conference program includes the presentation of contributions on specific theoretical or applied topics, and the presentation of software prototypes with the relative "demos".

Two types of contribution are expected: **long** papers, possibly already published in journals or in proceedings of other conferences, or **short** papers. The latter are particularly suitable for presenting works in progress, even if not yet ready for publication, descriptions of software prototypes, summaries of doctoral theses, etc.

The topics of interest for the conference are, but are not limited to, the following:

- Abductive Logic Programming
- Analysis, transformation, validation and verification of programs
- Answer Set Programming
- Applications of Computational Logic and systems
- Approximate Reasoning
- Automated Theorem Proving
- Computational Logic and formal methods in Artificial Intelligence
- Computational Logic for concurrency, coordination, mobility, agents and objects
- Data mining and Data integration
- Deductive databases
- Extensions and integrations of declarative programming paradigms
- Implementations and benchmarking of Computational Logic systems
- Inductive Logic Programming
- Knowledge representation and extraction
- Logic programming, constraint programming and other declarative programming paradigms
- Model-based Reasoning
- Model Checking
- Multi-agent systems
- Natural language processing
- Non-Monotonic Reasoning
- Planning and scheduling
- Probabilistic Logic Programming
- Semantic web
- Temporal logics
- Tools and environments for program development
- Treatment of uncertain or incomplete knowledge

## Important dates

Submission of abstracts (for short/long papers): **10 April 2023**

Paper submission (short/long): **16 April 2023**

Notification of acceptance: 19 May 2023

Submission of final version: 11 June 2023

CILC 2023: 21-23 June 2023

## Organizing Chairs

Agostino Dovier  
Andrea Formisano

## Program Committee

Mario Alviano	Dario Della Monica	Marianna Nicolosi-Asmundo
Roberto Amadini	Giorgio Delzanno	Andrea Omicini
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Alessandro Dal Palù	Stefania Monica	Ester Zumpano
Emanuele De Angelis		

## Paper Submission

Submissions will be managed via EasyChair:

<https://easychair.org/conferences/?conf=cilc23>

Contributions must not exceed 14 pages (references included) for long papers and 7 pages (references included) for short papers.

All contributions must be written in English and prepared in PDF format.

Contributions must be formatted using the CEURART style (using the one-column option). LaTeX style files can be retrieved from <http://ceur-ws.org/Vol-XXX/CEURART.zip>

Accepted original contributions will be included in a volume of the CEUR Workshop Proceedings (<https://ceur-ws.org>). Accepted non-original contributions will be given visibility on the conference web site including a link to the original publication, if available. Non-original contributions submitted to CILC should mention a reference to the already published version of the paper (for instance in a footnote in the first page).

For each paper accepted at CILC 2023, at least one of the authors is required to make a *senior* registration (details will be available soon in the web site).

In the trail of the CILC tradition, a selection of papers is planned to be published in a special issue of an international journal (to be determined). Extensions of accepted non-original contributions, if not published in a journal yet, might be included in the issue.

The event is organized by GULP - Gruppo ricercatori e Utenti Logic Programming and all participants are required to be members of GULP.

## Contacts

CILC 2023 web page: <https://www.programmazione logica.it/cilc23>

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