

## COMPUTATIONAL MODELS OF NATURAL ARGUMENT (CMNA 23) - FIRST CALL FOR PAPERS

<https://cmna-workshop.github.io/cmna23/>

We are pleased to invite submissions for our forthcoming 23rd Edition of the Workshop on Computational Models of Natural Argument (CMNA), to be held as part of the 39th International Conference on Logic Programming (ICLP). The CMNA workshop series focuses on the issue of modelling “natural” argumentation, where naturalness may range across a variety of forms, perhaps involving the use of visual rather than linguistic means to illustrate a point, for example using graphics or multimedia, or applying more sophisticated rhetorical devices, interacting at various layers of abstraction, or exploiting “extra-rational” characteristics of the audience, taking into account emotions and affective factors. To celebrate our co-location with ICLP, this year we have introduced a special theme on *explorations of the relationship between logic programming and computational models of natural argument*. Our theme should be interpreted broadly, to reflect the wide range of approaches to recognising, formalising, and understanding the richness of real-world reasoning and communication processes within computational models. Notwithstanding the special theme, we also solicit contributions addressing, but not limited to, the following areas of interest:

- The characteristics of “natural” arguments (e.g. ontological aspects, cognitive issues, legal aspects).
- The linguistic characteristics of natural argumentation, including discourse markers, sentence format, referring expressions, and style.
- The generation of natural argument
- Corpus argumentation results and techniques
- Argumentation mining
- Models of natural legal argument
- Rhetoric and affect: the role of emotions, personalities, etc. in argumentation.
- The roles of licentiousness and deceit and the ethical implications of implemented systems demonstrating such features.
- Natural argumentation in multi-agent systems.
- Methods to better convey the structure of complex argument, including representation and summarisation.
- Natural argumentation and media: visual arguments, multi-modal arguments, spoken arguments.
- Evaluative arguments and their application in AI systems (such as decision-support and advice-giving).
- Non-monotonic, defeasible and uncertain argumentation.
- The computational use of models from informal logic and argumentation theory.
- Computer supported collaborative argumentation, for pedagogy, e-democracy and public debate.
- Tools for interacting with structures of argument.
- Applications of argumentation-based systems.

### Submission

We welcome submissions of full papers (limited to 10 pages in length) or short papers (limited to 5 pages in length). It is highly recommended, but not mandatory, to format papers using the CEUR single column style (further information available from the submission section of the CMNA website). All submissions will be peer-reviewed by members of the programme committee. Accepted papers will be grouped into thematic sessions that incorporate extensive time for questions and discussion. Please submit your contribution via EasyChair:

<https://easychair.org/conferences/?conf=cmna23> by **12th May 2023**.

### Key Dates

- Regular Paper submission (long & Short papers): 12th May 2023
- Regular Paper Notification to authors: 2nd June 2023
- Demos & Posters (2 page abstract submitted direct to the organising committee): 16th June 2023
- Demos & Posters notification to authors: 23rd June 2023
- Final (Camera Ready) version of regular papers: 23rd June 2023
- ICLP Workshops: 9th/10th July 2023 (Specific day within ICLP schedule to be confirmed)

### Organising Committee

- Floriana Grasso [floriana@liverpool.ac.uk](mailto:floriana@liverpool.ac.uk) (University of Liverpool)
- Nancy Green [nlgreen@uncg.edu](mailto:nlgreen@uncg.edu) (University of North Carolina Greensboro)
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