

COMPUTATIONAL MODELS OF NATURAL ARGUMENT (CMNA 24) - FIRST CALL FOR PAPERS

<https://cmna-workshop.github.io/cmna24/>

We are pleased to invite submissions for our forthcoming 24th Edition of the Workshop on Computational Models of Natural Argument (CMNA'24), to be held as part of the 10th International Conference on Computational Models of Argument (COMMA 2024). 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 COMMA, this year we solicit contributions on the special theme of "*domains of natural argument*". Contributions to this theme will form the focus of a subsequent special issue of the Journal of Argument & Computation. This theme should be interpreted broadly, to reflect the wide range of argumentative practices in specialist domains such as law, medicine, natural sciences, economics, sociology, education, public policy, behaviour change, explainable AI, military intelligence, software engineering, implementation science, business and financial communication, etc. Additionally contributions within this theme might explore various questions: What features (e.g., dialogue models, argumentation schemes, speech acts, rhetorical devices and/or linguistic cues) are particular to a given domain. How do they relate to features of other specialist domains or “everyday” argumentation? How can study of natural argument in a particular domain inform models of natural argument in other domains? How are classical models of natural argument and domain-specific models related to each other?

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 is available from the submission section of the CMNA website).

All submissions will be peer-reviewed by at least two 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 using the Microsoft Conference Management Toolkit:

<https://cmt3.research.microsoft.com/CMNA2024/> by **8th July 2024**.

Key Dates

- Regular Paper submission (long & Short papers): **8th July 2024**
- Regular Paper Notification to authors: **13th August 2024**
- Demos & Posters (2 page abstract submitted direct to the organising committee): **13th August 2024**
- Demos & Posters notification to authors: **20th August 2024**
- Final (Camera Ready) version of all contributions: **27th August 2024**
- Workshop: **17th September 2024**

Organising Committee

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