



FACULTAD DE LETRAS  
PONTIFICIA UNIVERSIDAD  
CATÓLICA DE CHILE



Meaning and  
Knowledge  
Representation  
10th International Conference



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## 10<sup>th</sup> International Conference on Meaning and Knowledge Representation Pontificia Universidad Católica de Chile (July 17 to 21, 2023)

### SECOND CALL FOR PAPERS

Natural language understanding systems require a knowledge base provided with formal representations reflecting the structure of human beings' cognitive system. Although surface semantics can be sufficient in some other systems, the construction of a robust knowledge base guarantees its use in most natural language processing applications, thus consolidating the concept of resource reuse. This conference deals with meaning and knowledge representation in the context of natural language understanding from the perspective of theoretical linguistics, computational linguistics, cognitive science, knowledge engineering, artificial intelligence, natural language processing, text analytics or linked data and semantic web technologies.

Following the success of previous editions, the 10th International Conference on Meaning and Knowledge Representation (MKR 2023) will take place in Santiago (Chile), July 19, 20 and 21, 2023, organized by the Faculty of Linguistics and Literature, Pontificia Universidad Católica. In addition, the event will include a previous workshop, on July 17 and 18, about topics related to knowledge representation and natural language processing.

We invite 20-minute (plus 10-minute discussion) presentation proposals on the following general and/or specific topics, in English or Spanish. **The MKR 2023 conference it's a hybrid event, although face-to-face proposals will be prioritized.** Authors may submit more than one abstract, but each conference participant will only be allowed to present once. Co-authored works may be presented by any of the participating co-authors.

#### General topics:

1. At the crossroads between functionalist, cognitivist and/or constructionist approaches.
2. Division of labour of lexical semantics and constructional semantics.
3. Role of metaphor and metonymy and other cognitive operations in meaning construction and grammar.
4. Relationship between semantics, pragmatics, and discourse in meaning construction and/or meaning representation.
5. Cognitive modelling and construal.
6. Linked data and semantic web technologies.
7. Knowledge representation and conversational agents
8. Artificial Intelligence and natural language processing (NLP)
9. Functional-cognitive approaches to language aware software
10. Human Language Technologies



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#### Specific topics:

1. Text analytics, NLP, and meaning
2. Sentiment Analysis
3. Social-Media Text Processing
4. Web Content Mining, information extraction
5. Parsing, NER, POS tagging
6. Lexicon Application and Generation
7. Lexical Constructional Model (LCM) and FunGramKB specific topics
8. Meaning construction and meaning representation in the LCM.
9. Syntactic representation in the LCM.
10. Connections between the LCM and FunGramKB.
11. Lexico-grammatical knowledge in FunGramKB.
12. Terminology in FunGramKB.
13. Conceptual representation in FunGramKB.
14. Reasoning in FunGramKB.
15. NLP applications of FunGramKB.

#### Information in brief:

Pre-conference workshop: July 17-18

Conference dates: July 19-21

Abstract submission deadline: April 23<sup>rd</sup>

Notification of acceptance: April 28<sup>th</sup>

Registration deadline: May 26<sup>th</sup>

Website: <http://www.fungramkb.com/events/2023/index.html>

Contact: [mkrconference.2023@gmail.com](mailto:mkrconference.2023@gmail.com)

#### Thank you!

We look forward to welcoming you in Santiago.

**Organising committee**

MKR 2023 – UC Chile