The Second Workshop on NLP Applications to Field Linguistics (Field Matters)

Proceedings of the Workshop

May 6, 2023
Preface by the General Chair

Field Matters is a workshop focused on various applications of NLP methods to field linguistics and analysis of field data with the help of computational linguistics. On the one hand, field linguists document language data, but the fieldwork involves tons of manual annotation or analysis, which might be significantly sped up with computational instruments. On the other hand, NLP research brought methods for different tasks that show significant performance in high-resource languages, allowing to automate various routine tasks. The future development of NLP methods could gain from the language diversity of under-resourced languages. Field Matters is aimed to combine linguistic fieldwork and NLP methods. Our workshop is hosted by the 17th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2023).

To provide the comprehensive diverse expertise in a multidisciplinary setting, for the second time we invite linguists and NLP researchers worldwide to our program committee. After the hard process of reviewing all submissions, the program committee chose nine papers for a poster or oral presentation at the workshop. Accepted papers illustrate the main idea of our workshop: how field linguistics may benefit from using contemporary methods of computational analysis and how the NLP community may evolve its methods with the help of underresourced languages.

More specifically, chosen papers cover the following topics:

- use of ASR into the field linguistic pipeline
- use of computational methods to provide deterministic grounding for the language documentation insights
- incorporating linguistic knowledge to the neural language processing algorithms despite the low-resourced setting
- using Information Extraction algorithms to support the language documentation
- building tools for native speakers community

Following the key insight of the FM2022, in some studies, the collaborative nature of the process has taken its place, making the results useful for both researchers and native speakers. Notably, the recently popularized Limitations section has proven itself useful. Several papers contain meaningful insights into the state of the field or language nuanced details worth attention themselves. Given 24 submissions in total (including 3 papers submitted through the ACL Findings program), the acceptance rate is 11/24, with 4 papers selected for oral presentation.

We are incredibly grateful to the Field Matters program committee, who worked on peer review to give meaningful comments for each submission and made this workshop possible. We want to thank the invited speakers, Lane Swartz and Emmanuel Schang, for contributing to the program. We would also like to mention all the authors who submitted their papers to our workshop, and we hope to continue to serve as a link between NLP specialists and field linguists.
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Program Committee

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Friday, May 5, 2023

09:00 - 10:30 Invited talk. Lane Schwartz.


12:45 - 14:15 lunch break

14:15 - 15:45 Presentations

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15:45 - 16:30 Coffee Break

16:30 - 18:00 Presentations

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