

## Deep Learning Meets GIR: Recent Advances in Geographic Information Retrieval

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### Message from the Guest Editors

In the last decade, Deep Learning has transformed how we process text; word embeddings have transformed the way we measure semantic similarities, language models with astonishing generation capabilities have been introduced, and neural architectures represent now the state of the art in various classification tasks.

Textual information represents also an important source of information for the Geographic Information Retrieval (GIR) task: it is necessary to process text to extract toponyms, determine the geographic scope of a document, disambiguate and geolocate text, and of course to calculate document similarities and rank them with respect to a search query.

With these premises, it is clear that recent Deep Learning techniques may have a substantial impact on the results in Geographic Information Retrieval. Therefore, to highlight the progress in this field, in this Special Issue we welcome contributions that show how Deep Learning has been applied to GIR: from toponym resolution to retrieval and classification tasks. Any submission that highlights the integration of geographical and textual knowledge via neural methods is also welcome.



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