

## Special Issue

# Low-Resource Languages in the Age of Large Language Models

### Message from the Guest Editors

The rapid progress of large language models (LLMs) has transformed natural language processing, but this progress has been strikingly uneven across the world's languages. While high-resource languages benefit from increasingly capable models, many low-resource and endangered languages remain severely under-served, risking further digital marginalisation and loss of linguistic diversity. This Special Issue focuses on methods, resources, and evaluations that place low-resource languages at the centre of the LLM agenda rather than at its periphery.

- Architectures, training regimes, and adaptation strategies for LLMs;
- Multilingual and cross-lingual transfer, prompting, and fine-tuning for data-scarce settings;
- Creation, documentation, and evaluation of corpora, lexicons, treebanks, and benchmarks;
- Methods for modelling morphology, syntax, semantics, and discourse;
- Human-in-the-loop, active learning, and participatory approaches with speaker communities;
- Evaluation of LLMs on low-resource languages, including robustness, bias, and fairness analyses;
- Applications in education, translation, information access, and language preservation or revitalisation.

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## Electronics

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