Call for papers, Lexique journal issue 27

Title: Electronic Lexical Resources

Electronic Lexical Resources (ELR) are at the core of any language processing application. Morphological databases, and syntactic or semantic lexicons have essentially been produced manually for decades, within specific theoretical frameworks (e.g. Lexique-Grammaire, Generative Lexicon, Meaning-Text Theory). During the last decade, two trends have been driving radical changes in computational linguistics and its applications. The first trend has been a change of scale in the size of ELRs, either by embracing corpus-driven methods, or by resorting to crowd-sourcing. Manually-constructed tagging lexica or tagging rules have thus been rendered obsolete by corpus-driven probabilistic part-of-speech tagging models. As for crowd-sourcing, it is now considered as an established cost-effective strategy to leverage on manual labor, in order to develop large-coverage ELRs. Finally, "word embeddings", which loosely rely on the concept of "distributional semantics", i.e. distributional profiles extracted from giga-corpora, have become the go-to resource for any natural language processing task. The second trend driving major changes in the computational linguistics domain is the ever-increasing intercon- nection of data, thanks to standardized formats and protocols. The linked data movement, which has made the semantic web a reality, has fostered the adoption of norms and standards such as ISO-LMF (Lexical Markup Framework) and RDF (Resource Description Framework). As a consequence, decentralized and cloud-based "language processing services" are released every day, based on highly complex technical infrastructures. The quality of the analyses offered by such services is nevertheless hard to assess, especially when they aggregate resources which were devised in different descriptive and theoretical frameworks. The objective of issue number 27 of Lexique, to appear in December 2020, is to describe, evaluate, and even criticize ELRs available today for natural language processing. Relevant submissions will present lexical databases, detection rules, corpus-induced processing models, or any other resource for natural language processing, in any modality (text, audio, video). Resources that integrate different representation levels (e.g. morphology and semantics, phonology and morphology, syntax and semantics, etc.) will be of special interest, as those targeting specific domains or speakers/users (e.g. L2 learners, dialects, languages in contact). Submissions will thoroughly describe the design, structure and revision process of the

presented resources, as well as real-life application scenarios. Apart from presentations of new resources, critical evaluations are also expected, with a focus on quality and precision, going beyond "objective" performance scores (inter-annotator scores, precision/recall, BLEU, etc.) or mere technical aspects (e.g. ISO-LMF compliance, RDF). In line with FAIR (Findable, Accessible, Inter-operable, Reusable) directives as well as open-science principles, the presented resources, corpora, data-sets and associated software (e.g. scripts, user interface, web service) shall be accessible (source repository). Resources, data and software shall be associated with a permanent identifier (DOI, Digital Object Identifier) from providers such as: ORTOLANG (https://www.ortolang.fr/), HUMA-NUM (https://www.huma-num.fr/) or CLARIN (https://www.clarin.eu/). Resources distributed under commercial licenses shall be accessible to prospective users, at least for a limited trial period (e.g. 30 days).

Submission procedure

Please use the stylesheet provided on the *Lexique* journal website: https://lexique.univ-lille.fr/soumission.html.

Intention to submit: please send intention to submit to antonio.balvet@univ-lille.fr and contact-revue-lexique@univ-lille.fr. Please provide a (working) title, a list of authors, a list of keywords and an abstract of 2,500 signs maximum (see dates below).

Length: from 35,000 to 50,000 signs (including spaces)

Languages: French or English

Send submissions to: antonio.balvet@univ-lille.fr and contact-revue-lexique@univ-lille.fr

Important dates

Intention to submit: 31/1/2020

Submission deadline: 15/4/2020

Reviewers' feedback (double blind review):

30/6/2020 Final version due: 15/9/2020