

## Special Issue on Language Sense and Communication on Computer

# CALL FOR PAPERS

We have roughly defined the "language sense" as an expression that underlines affective or psychological aspects of language. We would like to invite papers from researchers with interests in language technologies which enrich communication by dealing with emotions, by captivating interlocutors, by engaging artistically or aesthetically, and so forth. In addition, we are also interested in contributions about theoretical reasoning (induction, deduction, abduction, etc.) and machine learning approaches to improve the overall quality of human-computer interaction.

We welcome submissions dealing with language sense in written, spoken, and multimodal forms of communication. As our definition of the "language sense" underlines affective and psychological aspects of language, our natural interests lie in means of sophisticated communication and natural ways of conveying thoughts between human beings, for example, expressing affect through linguistic and nonlinguistic means as emoticons or gestures and humor as jokes, esprits, or puns and expressing and understanding irony or sarcasm and other communication phenomena that are difficult to explain and to mimic algorithmically. In our definition, we also include sensuous (as aesthetically pleasing, gratifying, rich, sumptuous, luxurious, sensory, and sensorial) aspects to language sense by which we would like to attract not only AI researchers but also cognitive scientists, linguists, or psychologists who could shed a light on how to deal with such "less logical" sides of such language functionality in the realm of communication. In addition, we would like to spread a discussion between language sense specialists (theoreticians and practitioners) with AI researchers who work with classical NLP approaches.

Thus we would like to create a special issue that mixes papers on theoretical and practical (both cognitive and stochastic) approaches to modelling language sense and creating applications that make use of its features in human-computer interaction.

Potential topics include but are not limited to the following:

- ▶ Problems concerning interactive system of language sense (theoretical and practical)
- ▶ Affective computing (e.g., emotiveness in language, gestures, or facial expressions)
- ▶ Human-computer interaction
- ▶ Automatic human-computer interaction analysis of literary works (e.g., processing dialogs in contexts)
- ▶ Interaction adaptive generation and design of literary works (e.g., automatic dialog generation)
- ▶ Sophisticated communication (debating, humor, irony, etc.)
- ▶ Multimodal interaction problems of escaping mechanistic communication
- ▶ Generation and design of multimodal interaction sensuous communication
- ▶ Interface design in communication patterns in data

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/ahci/lsc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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