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Characterization of vagueness in evaluative expressions with linguistic features

This talk presents the recap of our work for a new approach that combines various interdisciplinary methods to introduce fuzziness in a natural language grammar. Moreover, it combines a formal characterization of gradient phenomena in language through a Fuzzy Property Grammar, together with Fuzzy Natural logic (FNL). The most elaborated constituent of FNL is the theory of evaluative linguistic expressions. It uses a single scale to capture any evaluative expression's semantics that might be relevant when communicating. These linguistic expressions have the following main traits: they are gradient, they can be associated with a semantic prime, they have a "sentiment" value, and their structure depends on a natural language grammar. Additionally, in some languages, such as in Spanish, those expressions have prototype structures and borderline structures, displaying different degrees of grammaticality. In some cases, less grammatical (non-prototypical) structures trigger equivalent meanings without compromising the final understanding of their meaning.