

# **On the role of gestures in language processing: from experimental studies to modeling proposition**

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The field of linguistics has been integrating more visual components along the past decades, and as a result gestural study is now an emerging subfield in various domains. This talk will present results from two experimental studies investigating bimodal (speech-gesture) processing and their outcomes for linguistic theories. Results seem to be in favor of an early integration of speech and gestures, leading to (i) consider a possible “modality-neutral” processing (in line with Esipova 2019) and as a consequence, (ii) to revise language processing models (De Ruiter 1998; Kita & Özyürek 2003). I will finally sketch out what is now to be examined with the aim of accounting for gestures in language modeling.