

'Research Insider': «Distributional Semantics and Compositional Translation»

Data: venres, 24 marzo, 2017 - 12:00 -
12:30

Lugar: Assembly Hall

Poñente(s): Pablo Gamallo (Principal Investigator at
CITIUS)

Idioma: Galego

Streaming: Non



The current strategies in *statistical and neural machine translation* rely on the use of *parallel and aligned corpora*, as well as on *non-compositional phrase segmentation*. However, other strategies are possible, namely the use of *non-parallel bilingual corpora* and *compositional segmentation*; a new translation method that requires building the contextual meaning of sentences by making use of *distributional models* in a compositional way.

In this talk, the key aspects and the main applications of *compositional distributional semantics* will be explored. For instance: how to build the composite meaning of "*red car*" from the senses of its constituent words if each word is defined as a *vector of linguistic contexts* in a distributional model? Special attention will be paid to a new method for machine translation based on *distributional models* and *compositional semantics*. From this point of view, *translating is the process of paraphrasing in a bilingual space*.