ABSTRACT

This talks gives a general introduction to Statistical Machine Translation, one of the oldest studied problems in the history of Natural Language Processing and Artificial Intelligence.

I will talk about 1) how the field evolved since its inception, 2) briefly describe state-of-the-art models, 3) and what are the open problems in the area of machine translation.

If there is enough time and interest left, I will give highlights on the work I have been doing over the last few years namely 1) Operation Sequence Model, a translation and reordering model and 2) Unsupervised Transliteration Models with application to SMT in closely related language pairs.