

Invited talk

Fully Syntactic Example-based Machine Translation

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In this talk, I introduce our EBMT system which fully exploits syntactic information. The alignment is based on an EM model, which considers bi-directional phrase translation probabilities and dependency relation probabilities. In the translation process, according to the basic idea of EBMT, our system selects larger examples (sub-trees), and combines them using their dependency relations. The evaluation results indicated that our system has comparable BLEU scores with the Moses, and better human evaluation scores over it. I also introduce a patent translation task at the NTCIR-7, to which several SMT, EBMT (ours) and RBMT systems participated.