Shared Task on Applying Machine Learning Techniques to Optimise the Division of Labour in Hybrid MT (ML4HMT-2011)

(http://www.dfki.de/ml4hmt/)

Barcelona Media Av. Diagonal, 177, 9th floor

Barcelona (Spain) · Saturday, November 19th, 2011

Collocated with the International Workshop on Using Linguistic Information for Hybrid Machine Translation (LIHMT-2011) (http://ixa2.si.ehu.es/lihmt2011/)

Registration free

Shared Task Purpose

The "Shared Task on Optimising the Division of Labour in Hybrid MT " is an effort to trigger systematic investigation on improving state-of-the-art Hybrid MT, using advanced machine-learning (ML) methodologies. The main focus of the shared task is trying to answer the following question: Can Hybrid/System Combination MT techniques benefit from extra information (linguistically motivated, decoding and runtime) from the different systems involved?

Programme

09:15 Welcome

09:30 Toni Badia (BM) "Introduction to the ML4HMT Shared Task Workshop"

09:40 Patrick Lambert (LIUM) "The MANY System @ML4HMT-2011"

10:30 Tsuyoshi Okita (DCU) "DCU System Combination @ML4HMT-2011"

11:00 Eleftherios Avramidis (DFKI) "DFKI System Combination with sentence ranking @ML4HMT-2011"

11:30 *Coffee break*

12:00 Christian Federmann (DFKI) "DFKI System Combination using Syntactic Information @ML4HMT-2011"

12:30 Christian Federmann (DFKI) "Comparison of overall results @ML4HMT-2011"

12:40 Alon Lavie (CMU) "MEMT: Alignment-based MT System Combination with Linguistic and Statistical Features"

13:10 Discussion Panel chair: Patrick Lambert (LIUM), Alon Lavie (CMU), Cristina España-Bonet (UPC) and Christian Federmann (DFKI). Topics include:

> (i) Two Hybrid paradigms: Multi- vs Single-system
> (ii) In the Multi-system approach: can Hybrid/System Combination MT techniques benefit from extra information (linguistically motivated, decoding and runtime) from the different systems involved?
> (iii) Evaluation in the Multi-system approach: do we evaluate the output in isolation or do we use evaluation information from the different systems involved?

14:00: *Lunch*

The ML4HMT workshop is supported by META∃NET