

# Errata

## Publication III

The text implies an inaccurate definition of sequence-discriminative training. In fact, CTC, sequence Cross-Entropy training of AED-models, and LF-MMI are all sequence-discriminative criteria, but with the more subtle general difference that LF-MMI is a globally normalized criterion, while the other two are locally normalized. Furthermore, the text implies that the application of MWER finetuning matches LF-MMI training, but this is inaccurate. MWER would better match training strategies that directly minimise the expected word error. On the fourth page, second column, the article states: "*Most of the improvement can be achieved with any sequence-discriminative criterion, but a criterion that directly minimizes the expected error, which we lack, could still yield some further improvements. This presents a small caveat in the interpretation of our results.*"

The error reported here emphasizes how HMM/DNN-systems using such a word error minimising criterion might perform even better in the comparisons.