Multilingual and cross-lingual speech recognition using Deep Neural Networks

**Doctoral School:** Doctoral School of Computer Science  
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**Topic Description:**  
The current speech recognition technologies are language-independent. That is, we apply the same technology for all languages. However, as the languages are different, we use a separate training database for each language. The topic of multilingual and cross-lingual speech recognition deals with the question of whether using data from other languages can help the recognition of a given language. On one hand, increasing the amount of training data is always good. On the other hand, as the additional data is from another language, it may also confuse the recognizer, so the optimal way of making use of the samples coming from the other language(s) is not trivial at all.

**Deadline for applications:** 2016-09-30

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