Master Thesis

Text to Speech synthesis system for Modern Standard Arabic and dialects

Motivation
Many Arabic-speaking refugees have communication difficulties due to the language barrier, which makes doctor visits without the presence of an interpreter practically impossible. Due to the high demand for Arabic-German interpreters and the lack of qualified persons for the psychiatric field, the ISL are developing a translation system specially tailored to this specific domain. So that illiterates can benefit from the developed system, the translation should be played in Arabic language.

Goal:
• Development of a text-to-speech synthesis system for Modern Standard Arabic with state-of-the-art methods and adaptation of the system to dialects online and offline.

Task:
• Literature research on state of the art technologies.
• Train and test the most promising architectures.

Qualifications:
• Good knowledge of machine learning and neural networks.
• Arabic as mother tongue or similar level is advantageous.

Interested?

Send your application to:

M.SC. Juan Hussain
ISL Room 239
+49 721 608 44733
juan.hussain@kit.edu