

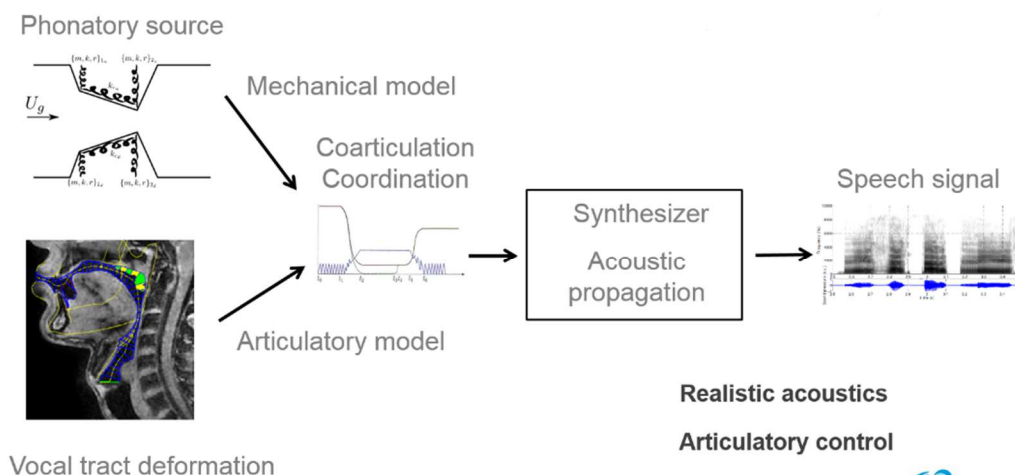
## Post-doctoral position

### Vocal tract imaging with MRI

Nancy, France

#### Summary

A post-doctoral position is available for candidates with a Ph.D. in MRI physics, computer engineering or related field. The project will be focused on the development of novel MRI pulse sequence (IDEA Siemens), image reconstruction and/or post-processing techniques for vocal tract imaging. The aim is to acquire 3D static and 2D dynamic imaging of speech production. These images will be used as a prior in an acoustic propagation synthesizer. The candidate will also develop a high speed (up to 200 Hz) acquisition MRI sequence enabling the study of fricative and plosive sound production.



#### Duration

18 months

#### Environment

This project is part of ArtSpeech research program on text to speech generation using physical vocal tract and sound propagation model, which has been granted by National Research Agency in 2015 to IADI laboratory of Lorraine University at Nancy. The project involves four laboratories in France: Loria at Nancy, gipsa-lab at Grenoble, LPP at Paris and IADI at Nancy. The candidate will work in a young and multidisciplinary research team including MRI scientists and physicians.

#### Contact details

For more information and application, please contact:

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