

## HQSYN16 - Task #4095

Task # 3677 (New): RA3b - Phonetically justified parameters (spectral tilt, ...)

Task # 3697 (Assigned): Electromagnetic articulography (EMA) based research

Task # 3965 (Closed): EMA - Radka Mašková

### Synthesize sentences with new features

16.11.2016 14:30 - Matura Martin

<b>Status:</b>	Closed	<b>Start date:</b>	16.11.2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Matura Martin	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	RA3: Phonetically justified parameters for speech synthesis		
<b>Description</b>			
Use articulation data as new features in process of creating speech by unit selection.			

### History

#### #1 - 16.11.2016 14:38 - Matura Martin

- Subject changed from *Synthesise sentences with new features* to *Synthesize sentences with new features*
- Assignee changed from *Matura Martin* to *Tihelka Dan*

A new image for voice Radka Maskova is needed. Waves for its creation can be found in `artic/Projects/EMA/MR/data/spc_16kHz_jednotlive`.

#### #2 - 17.11.2016 18:07 - Tihelka Dan

- Status changed from *New* to *Feedback*
- Assignee changed from *Tihelka Dan* to *Matura Martin*
- Target version set to *RA3: Phonetically justified parameters for speech synthesis*

To create the image file, I will need pitch-mark files corresponding to the waves (i.e. 406 \*.pm files). Ask Markéta for help.

#### #3 - 23.11.2016 12:54 - Matura Martin

- Status changed from *Feedback* to *Assigned*
- Assignee changed from *Matura Martin* to *Matoušek Jindřich*

Pitch-mark files were generated for all waves except for 0073-07.wav (because of unknown error).

Please create a MLF file of individual utterances saved in `artic/Projects/EMA/MR/data/spc_16kHz_jednotlive`, so we could create the image file.

#### #4 - 07.12.2016 13:47 - Matura Martin

- File `trialign.pm_jednotlive_opraveno.mlf` added
- Assignee changed from *Matoušek Jindřich* to *Tihelka Dan*

All data for creating a new image for voice Radka Maskova should be now available. The MLF file was created, corrected and comes as attachment.

#### #5 - 09.12.2016 09:29 - Tihelka Dan

- Status changed from *Assigned* to *Resolved*
- Assignee changed from *Tihelka Dan* to *Matura Martin*

Images were created, they can be found in: `Projects/EMA/voices/MaskovaRadka2/data/images`. For scripting, use `corpus_MUI_ADPCM_CCITT_5bit_32bitLE_Dbg.img` on windows or `corpus_MUI_ADPCM_CCITT_5bit_64bitLE_Dbg.img` on Linux.

#### #6 - 09.01.2017 13:09 - Matura Martin

- Status changed from *Resolved* to *Assigned*
- % Done changed from 0 to 30

**#7 - 18.09.2017 07:22 - Matura Martin**

- *Status changed from Assigned to Resolved*

- *% Done changed from 30 to 100*

Different combinations of articulation data were used as features, to synthesize sentences with voice of Radka Maskova. Synthesized sentences do not have the best quality probably because of small size of speech corpus.

**#8 - 10.11.2017 09:09 - Matoušek Jindřich**

- *Status changed from Resolved to Closed*

**Files**

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trialalign.pm_jednotlive_opraveno.mlf	531 KB	07.12.2016	Matura Martin
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