

The following is a list of peer-reviewed conference publications of the author, organized by the relevance to the thesis. An up-to-date list of all publications can be found at:

https://www.researchgate.net/profile/Georgi_Dzhambazov2

Publications in the context of the thesis and the CompMusic project

Georgi Dzhambazov and Xavier Serra. Modeling of phoneme durations for alignment between polyphonic audio and lyrics. In *Sound and Music Computing Conference 2015*, Maynooth, Ireland, 2015. URL <http://mtg.upf.edu/node/3266>.

Georgi Dzhambazov and Xavier Serra. Singing voice separation by harmonic modeling. In *Music Information Retrieval Evaluation eXchange (MIREX)*, 2016. URL <http://mtg.upf.edu/node/3565>.

Georgi Dzhambazov, Sertan Şentürk, and Xavier Serra. Automatic lyrics-to-audio alignment in classical Turkish music. In *Proceedings of 4th International Workshop on Folk Music Analysis (FMA 2014)*, pages 61–64, Istanbul, Turkey, 2014. URL <http://mtg.upf.edu/node/2965>.

Georgi Dzhambazov, Ajay Srinivasamurthy, Sertan Şentürk, and Xavier Serra. On the use of note onsets for improved lyrics-to-audio alignment in Turkish makam music. In *Proceedings of the 17th International Society for Music Information Retrieval Conference (ISMIR 2016)*, pages 716–722, New York, NY, USA, 2016a. URL <http://mtg.upf.edu/node/3492>.

Georgi Dzhambazov, Yile Yang, Rafael Caro Repetto, and Xavier Serra. Automatic alignment of long syllables in a cappella beijing opera. In *Proceedings of 6th International Workshop on Folk Music Analysis (FMA 2016)*, pages 88–91, Dublin, Ireland, 15/06/2016 2016b. URL <http://mtg.upf.edu/node/3517>.

Georgi Dzhambazov, Andre Holzapfel, Ajay Srinivasamurthy, and Xavier Serra. Metrical-accent aware vocal onset detection in polyphonic audio. *arXiv preprint arXiv:1707.06163*, 2017. URL <http://mtg.upf.edu/node/3805>.

Publications within the CompMusic project, which are outside the context of the thesis

Georgi Dzhambazov, Sertan Şentürk, and Xavier Serra. Searching lyrical phrases in a-capella Turkish makam recordings. In *Proceedings of 16th International Society for Music Information Retrieval Conference (ISMIR 2015)*, pages 687–693, 2015. URL <http://mtg.upf.edu/node/3321>.

Rong Gong, Nicolas Obin, Georgi Dzhambazov, and Xavier Serra. Score-informed syllable segmentation for jingju a cappella singing voice with mel-frequency intensity profiles. In *Proceedings of 7th International Workshop on Folk Music Analysis (FMA 2017)*, Malaga, Spain, 14/06/2017 2017. doi: <https://doi.org/10.5281/zenodo.556820>. URL <http://mtg.upf.edu/node/3732>.

Publication outside the CompMusic project, relevant to an extent for the thesis

Georgi Dzhambazov. Towards a drum transcription system aware of bar position. In *Audio Engineering Society Conference: 53rd International Conference: Semantic Audio*. Audio Engineering Society, 2014. URL https://www.researchgate.net/publication/283599561_Towards_a_drum_transcription_system_aware_of_bar_position.

Georgi Dzhambazov and Rolf Bardeli. Automatic sentence boundary detection for German broadcast news. In *Proceedings of 10. ITG Symposium on Speech Communication*, pages 1–4. VDE, 2012. URL https://www.researchgate.net/publication/260133087_Automatic_Sentence_Boundary_Detection_for_German_Broadcast_News.