

## **NHSS Database END USER LICENSE AGREEMENT (04/2020)**

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### **2. Material under License**

The material under License (hereinafter: "Database") is a Human Language Technology (HLT) Laboratory, National University of Singapore (NUS) database described in Schedule 1 composed of speech and singing parallel data. The database contains recordings of spoken lyrics and sung audio corresponding to English popular songs, along with their manual word- and utterance-level annotations. All data contained within the Database have been ordered, collected and processed in accordance with the laws applicable in Singapore.

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## **8. Research**

Research includes all type of scientific research, irrespective of the object under scrutiny, aimed at achieving a progress in science. This database is designed to test algorithms for audio-only, video-only and audio-visual speaker localization and tracking.

## **9. Commercial use**

Any commercial use of the Database is strictly prohibited. Commercial use of the Database includes, but is not limited to:

- Proving the efficiency of commercial systems;
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- Using screenshots of subjects from the Database in advertisements,
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## **10. Publications**

The End User shall reference the Database, or results obtained with it, in publications. Publications include, but are not limited to:

- Research papers,
- Articles,
- Presentations for conferences or educational purposes.

Small portions of the Database cannot be used in any publication.

All publications that report on research that use the Database will acknowledge this as follows: ***"(Portions of) the research in this paper used the NHSS Database made available by the HLT lab, National University of Singapore, Singapore."***

In addition, this citation must be used to refer to the data:

***"NHSS: A Speech and Singing Parallel Database", by Bidisha Sharma, Xiaoxue Gao, Karthika Vijayan, Xiaohai Tian, and Haizhou Li, submitted to Speech Communication.***

**11. Illegal or criminal use of the Database**

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**14. Warranties**

The End User warrants that they are authorized signatory, adult and not legally forbidden to enter into this License. The End User warrants that they have read and understood all elements contained herein and that the signature apposed hereunder is the result of a fully aware decision.

By signing this License, the End User engages to strictly respect the conditions set forth herein and to respect all the laws applicable in Singapore in relation to data and personality protection with regard to the data contained within the Database collected and processed by the Licensor:

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Organization Name (Institute, University, etc):	
Organization Address :	
Full Name (Block Letters):	
Title / Function :	
Email :	
Date :	
Signature :	

## **Schedule 1**

### **Description of the NHSS Database:**

We present a database of parallel recordings of speech and singing, collected and released by the Human Language Technology (HLT) laboratory at the National University of Singapore (NUS), that is called NUS-HLT Speak-Sing (NHSS) database. We release this database to the public for research activities, that include, but not limited to, comparative studies of acoustic attributes of speech and singing signals, cooperative synthesis of speech and singing voices, and speech-to-singing conversion. This database consists of recordings of sung vocals of English pop songs, the spoken counterpart of lyrics of the songs read by the singers in their natural reading manner, and manually prepared utterance-level and word-level annotations. The audio recordings in the NHSS database correspond to a total of 100 songs sung and spoken by 10 singers, resulting in total of 7 hours audio data. There are 5 male and 5 female singers, singing and reading the lyrics of 10 songs each.