

# Phonexia Speaker Identification

This application searches for a speaker in an archive of speech records. The records are sorted according to similarities with the target speaker. The application also integrates gender identification.

## Technology:

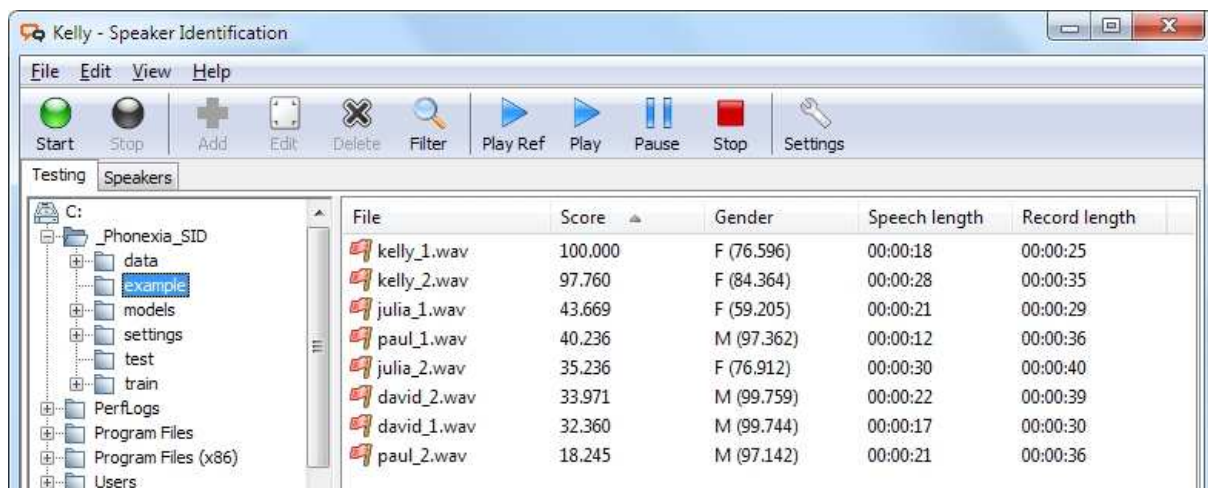
- Based on state of the art speaker identification technology. The creators of this software are among the premier researchers in speaker identification technology.
- Is language, text and channel independent.
- Applies the state-of-the-art channel compensation techniques, verified in NIST evaluations.

## Use:

- Finding a target speaker in a large number of audio recordings.
- Phonexia offers Software Development Kit for easy and fast integration with your systems.

## Features:

- Input format: MS Wave or RAW with linear coding (8 or 16 bits), A-law, Mu-law.
- Input for training: directory with one or more audio files from the target speaker.
- Input for test: directory with audio files.
- Sampling frequency: 8kHz.
- Output: List of recordings sorted according to similarity with the searched speaker. The list can be post-processed, filtered and exported.



File	Score	Gender	Speech length	Record length
kelly_1.wav	100.000	F (76.596)	00:00:18	00:00:25
kelly_2.wav	97.760	F (84.364)	00:00:28	00:00:35
julia_1.wav	43.669	F (59.205)	00:00:21	00:00:29
paul_1.wav	40.236	M (97.362)	00:00:12	00:00:36
julia_2.wav	35.236	F (76.912)	00:00:30	00:00:40
david_2.wav	33.971	M (99.759)	00:00:22	00:00:39
david_1.wav	32.360	M (99.744)	00:00:17	00:00:30
paul_2.wav	18.245	M (97.142)	00:00:21	00:00:36

### Processing speed:

- 170 times faster than real-time for speaker search

What does it mean? One instance of the program is able to process 170 minutes of speech in one minute of computer time (tested on 3GHz Intel CPU, 64 bit Linux).

### Consultation:

- We can help you to tune the system parameters to optimize performance on your data.
- We can adapt the system to your specific task, if necessary.

**Download trial version:** [www.phonexia.com/download](http://www.phonexia.com/download)