MIREX 2014 SUBMISSIONS

Sebastian Böck, Filip Korzeniowski and Florian Krebs
Department of Computational Perception
Johannes Kepler University, Linz, Austria
`sebastian.boeck@jku.at`

ABSTRACT

This shortened abstract describes the MIREX 2014 submissions.

1. TEMPO ESTIMATION

1.1 SB1

The *TempoDetector.2014* is a new version of the system introduced in [3], with updated input features and a bank of comb filters for the estimation of the most dominant tempi.

2. ONSET DETECTIONS

2.1 SB2

The *SuperFlux.2014* is a new version of the system introduced in [5] with updated peak-picking parameters.

2.2 SB3

The *SuperFluxNN* is the system introduced in [6].

2.3 SB4

The *ComplexFlux* is a new version of the system introduced in [7] with updated peak-picking parameters (same as SB2).

2.4 SB8

The *OnsetDetector.2014* is a new version of the system introduced in [1], with the same input features as used for the *SuperFlux* system [5].

2.5 SB9

The *OnsetDetectorLL.2014* is a new version of the system introduced in [4], with the same input features as used for the *SuperFlux* system [5].

3. MF0 ESTIMATION

3.1 SB5

The *The PianoTranscriptor.2014* is a simplified version of the system introduced in [3] which uses *tanh* units instead of the originally proposed *LSTM* units.

4. BEAT TRACKING

4.1 SB6

The *BeatTracker.2014* is a new version of the system introduced in [2] with the updated tempo estimation of the *TempoDetector.2014* which can follow tempo changes.

4.2 SB7

The *BeatDetector.2014* is a new version of the system introduced in [2] with the updated tempo estimation of the *TempoDetector.2014* which assumes a constant tempo of the piece.

4.3 BK5

The *CRFBeatDetector* is the system described in [9].

4.4 BK6

The *MMBeatTracker* is the system described in [8].

6. REFERENCES

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