Marc Estibeiro

With Time Not In Time

For Bass Clarinet, Piano and Live Electronics

Approximate Duration: 12’00”

Score at Concert Pitch
Guide to Notation

General marks

- **Tremolo**, always played as fast as possible

- **Trill**, always to the indicated note

- **Crescendo dal niente**

- **Diminuendo al niente**

The electronic part uses pitch recognition software to trigger different events. These are always indicated in the score.
Bass Clarinet in B♭

Move freely between air notes and half embrochure

Multiphonic with indicated fingering

Tremolo between two multiphonics

Slap tongue

Unpitched air notes
Piano

Chromatic cluster

Depress the keys silently

Harmonic

Make rapid movements along the string with the brass guitar slide becoming faster then slower. The exact pitch is not important but it should be near pitch indicated by the vertical position

Make rapid glissandi (up and down) over the strings around the pitch indicated by the vertical position.
Quickly scrape the edge of the guitar slide along the indicated string. Then touch the string at the indicated harmonic.

Bounce the guitar slide off a cluster of low strings near the indicated pitch.

Play the harmonic as indicated and then scratch the string around the point of the harmonic with the edge of the brass guitar slide or fingernail.
Guide to the Electronic part

The electronic part consists of a performance environment for real time spectral processing. The main interface for the performance environment is shown below.

The performance environment is controlled using pitch recognition software and amplitude thresholds. There are four trigger notes in the bass clarinet part indicated in the score which need to be programmed into the software environment before the performance.

Amplitude thresholds also need to be set before the performance.
Trigger note 1: Record

Trigger note 2: Change playback direction and speed

Trigger note 3: Change playback direction and speed

Trigger note 4: Change playback direction and speed
Set amplitude threshold so that triple forte triggers playback

A white waveform graphic indicates that the acoustic material is being recorded into the software environment.

A black waveform graphic indicates that the electronic part is playing back.

While the electronic part is recording or playing back, the acoustic instruments should play the boxed material freely.

The level of the electronic part should be balanced to match the level of the acoustic instruments.

A small mixing desk is necessary in order to make minor adjustments to the levels during the performance.
The acoustic instruments should only be amplified only if necessitated by the size of the performance space.

There should be a separate microphone routed to the performance environment for the trigger notes and the amplitude threshold. The output of this microphone is used only to trigger events. It will not be heard in the performance.

The electronic part requires a computer running Max v. 6 or above (www.cycling74.com), a suitable digital to analogue convertor, a mixing desk and amplification appropriate for the room. The Max patch is available from the composer on request.

A laptop stand will be needed for the bass clarinet player.
Instruments

Bass Clarinet in B♭

Piano with brass guitar slide

Computer running Max 6 or higher, audio interface, mixing desk, suitable microphones and amplification
Bass Clarinet in B

Piano

Electronics

Tempo ad libitum
somewhere between \( q = 57 \) and \( q = 70 \)

Gradually crescendo

This is a trigger note - be careful not to play it too loudly or it will start recording.

Pedal down immediately after hitting the cluster

Chromatic cluster
begin this phrase after the piano cluster

(sim. sempre)

(sfz)

(sim. sempre)
This is a trigger note - crescendo unl recording starts then immediately move to the next second.

Begin this phrase with the piano cluster.

[Musical notation]
Repeat the material freely for 40 seconds until the recording is complete.

Sempre senza misura

Play this when the recording is complete.

Make rapid movements along the strings near the E♭ with the brass guitar slide.

Move to the next section after this phrase on the bass clarinet.

Begin recording

40"
Tempo giusto $q=100$

This is a trigger note - crescendo until the playback direct changes then play the slap tongue to trigger playback.

Slap tongue
Repeat the material freely until the electronic part has finished playing.

**Sempre senza misura**

Play this when the electronic part has ended.

Listen for this phrase then move to the next section.

**Playback speed = -0.1**

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Play the Eb normally while finding the harmonic inside the piano with the other hand. Try to find the 7th harmonic but the exact pitch of the harmonic is not important.

Rapid gliss. over strings with fingertips

Make rapid movements along the strings near the Eb with the brass guitar slide

Make rapid movements along the strings near the Eb with the brass guitar slide

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Sempre senza misura
Tempo ad libitum but very slow somehow between \( q = 20 \) and \( q = 40 \).

This is a trigger note - be careful not to play it too loudly or it will start recording!

\[ \text{ppp} \quad \text{mf} \]

\[ \text{loco} \]

\[ \text{mf} \quad \text{mp} \quad \text{p} \]

\[ \text{loco} \]

\[ \text{mf} \]
This is a trigger note. Be careful not to play it too loudly or it will start recording!
This is a trigger note - be careful not to play it too loudly or it will start recording!

This is a trigger note - crescendo until recording starts then immediately move to the next section.
Repeat the material freely until the recording is complete.

**Sempre senza misura**

Unpitched air notes

Quickly scrape the edge of the guitar slide along the E string then touch the string at the 7th harmonic.

Slap tongue

Move freely between air note and half embouchure.

Quickly scrape the edge of the guitar slide along the F string then touch the string at the 7th harmonic.

Make rapid movements along the strings near the E with the brass guitar slide.

Bounce the guitar slide off a cluster of low strings near the E and the F.

Bounce the guitar slide off a cluster of low strings near the E and the F.

Listen for this phrase then move to the next section.

**Sempre senza misura**

Begin Recording

End recording

Play this when the electronic part has ended.
This is a trigger note
- crescendo until the playback direction changes
then play the slap tongue to trigger playback
Repeat the material freely until the electronic part has finished playing.

Sempre senza misura

Unpitched air notes

Quickly scrape the edge of the guitar slide ALONG the E\textsubscript{b} string then touch the string at the 7th harmonic.

Quickly scrape the edge of the guitar slide ALONG the F\textsubscript{b} string then touch the string at the 7th harmonic.

Make rapid movements along the strings near the E\textsubscript{b} with the brass guitar slide.

Source the guitar slide off a cluster of low strings near the E\textsubscript{b} and the F\textsubscript{b}.

Listen for this phrase then move to the next section.

This is a trigger note - crescendo until the playback directs changes then play the slap tongue to trigger playback.

Play this when the electronic part has ended.

Playback speed = 0.2

Sempre senza misura

Playback speed = 0.2

60°
Slap tongue.

Chromatic cluster.

Play this when the electronic part has ended.

Unpitched air notes.

Chromatic cluster.

Listen for this phrase then move on to play the E harmonic.

Scratch the E string with your fingernail or the edge of the brass guitar slide around the point of the 7th harmonic.

Play the E normally while finding the harmonic inside the piano with the other hand. Try to find the 7th harmonic but the exact pitch of the harmonic is not important.

Unpitched air notes.

Playback speed = -0.2

60"