

Georgia Spiropoulos
Roll... n 'Roll...n 'Roll
2015

portage2020
2020



The setup and the execution of the electroacoustic part
of this work requires a Computer Music Designer (Max expert).

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Work related information

Performance details

- June 10, 2015, France, Paris, Centre Pompidou, Grande salle, festival ManiFeste

Publisher : BabelScores

Detailed staff

- harp

Realisation

- José-Miguel Fernandez
- Thomas Goepfer

Useful links on Brahms

- [Roll... *n*'Roll...*n*'Roll](#) for prepared harp and electronics (2015), 20mn
- [Georgia Spiropoulos](#)

Version related information

Documentation date: Sept. 2, 2020

Version state: valid, validation date : Sept. 6, 2020, update : March 24, 2021, 3:01 p.m.

Documentalist

Jose Miguel Fernandez (Jose.Miguel.Fernandez@ircam.fr)

You noticed a mistake in this documentation or you were really happy to use it? Send us feedback!

Realisation

- José Miguel Fernandez (Computer Music Designer)

Default work length: 20 mn

No other version available

Electronic equipment list

Computer Music Equipment

- 1 Max 8 - *Max* (Cycling74)
- 1 antescofo~ - *External objects* (Ircam)
- 1 Ircam Spat - *Library* (Ircam)
- 1 Footswitch / Sustain Pedal - *Footswitch / Sustain Pedal*

Audio Equipment

- 1 Microphone - *Microphone*
- 1 DPA 4061 - *Condenser Microphones* (DPA)
- 1 Schertler Harp - *Contact Microphones* (Schertler)
- 1 contact microphone - *Contact Microphones* (Accusound)
- 6 Loudspeaker - *Loudspeakers*

Files

File	Type	Author(s)	Comment
roll2020 Patch	Patch	Jose Miguel Fernandez	
ircam spat	Other	Ircam	add to max package

Instructions

Audio Setup:

Loudspeaker setup

6 speakers around the public

1 2

6 3

5 4

Microphones

4 microphones (adc 1 to 4 in the MaxMsp patch)

adc1-> DPA 4061 (inside the harp)

adc2-> Piezzo (on the body of the instrument)

adc3-> Contact microphone (Schertler)

adc4-> overhead microphone (cardioid)

MaxMsp Setup:

Events are triggered by a switch« Midi pedal » connected to the computer (via a Midi Interface or Audio card with Midi) through a converter (Midi keyboard, Midi Solutions Footswitch Controller, etc...)

0.- Put ircam-spat folder in the Max8 package (in Documents/Max8)

install the PerColate (for the *vstretch* object)

install the max sound box package from Ircam :

- psychoirtrist~ (pitch synchronous yin-based choir synthesis) version 3/2018 (19)
- iana~, version 03/2018 (7)
- Ircam descriptor: dernière version

Audio Status


- Overdrive On
- Sampling rate 48k
- I/O vector size 128 (à vérifier)
- Signal Vector Size 64 (à vérifier)

1.- Open the Roll... n'Roll... n'Roll MaxMSP patch « Harpe-traitements49-2020.maxpat »

2.- Set the « midi pedal » to trigger events in the patch

- check for pedal polarity
- turn off pedal actions toggle if you need to test, then turn on before the performance

3.- Change scores: The patch have 5 scores for each mouvement. The transition from score 2 (Shig) to 3 (mobile) must be done by hand

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Program note

« Roll » doit ici s’entendre dans une large polysémie : comme flux (sonore), mouvement (perpétuel), rotation (des planètes), tourbillon (d’un derviche tourneur), bercement (d’un nouveau-né), ondulation (la houle traversant les océans), torsion, secouement, enroulement, défilement...

Dans ce cycle de pièces écrit pour Hélène Breschand, la harpe classique est un instrument polymorphe, à la fois acoustique et « préparé » par ordinateur. Ainsi la harpe devient-elle à la fois instrument-espace – comme espace d’écoute, espace d’écriture, espace sonore intime projeté vers l’extérieur – et micro-orchestre, instrument archaïque et mobile sonore.

Succession de formes-mobiles ou de formes-états, spatialisées, répétées et désordonnées, étirées (dans leur spectre, comme dans le temps et l’espace), *Roll... n’Roll... n’Roll* est un catalogue d’objets sonores, une micro-géographie de gestes et de textures, qui se joue des clichés pour mieux les détourner.

Programme ManiFeste-2015.

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