1. Contact details

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2. Title of the work: " Horror Vacui"

3. Statement of the relevance of the work to the conference theme and/or topics

The main topic of " horror Vacui" is how to create a work without a model A-priori. To accomplish this, there are several different layers. The work is real-time composed of a visual componentThat works as a first layer. The two sopranos compose in real-time the work by their movement on the stage. Their movement is captured by sensors and sent to the algorithmic system by WIFI. The second layer uses a parametric algorithm that uses as its input the movement of the sopranos and delivers the notes to be sung to the sopranos. This way, the work is a circular system based on a compositive layer and a hearing layer that are differentiated but related.

4. Program notes

"Horror Vacui" is a performative sound art piece composed of two moving sopranos. The score of the sopranos is real-time created by an algorithm, live electronics, sensors, and small networking electronic devices.

"Horror Vacui" is an experiment about new forms of using the scenic space as an environment where the work itself can be created. This work is an experiment about dissolving traditional roles among composers, performers, and scenic space. In this case, the composer creates a collaborative space where the relationship of the sopranos with the environment generates the work. The sopranos become the composers of the work by their relationship with the scenic space. The sopranos compose the work in real-time with their movement on the stage. The movement is related to their relationship with the stage and the music they are creating. So we have a circular system with a priori nothing.

"Horror Vacui" is a Latin-derived term that has been used to explain our relationship with the void. The work uses the psychological aspect of filling empty things. How do we refer to empty entities when we are anticipating the way we are going to fill them?. The singers do not know what they are going to sing, so they are related to the void in multiple dimensions. The silence is the void they are going to fill while singing. The way they are going to fill the space is going to be determined by the

same tension of not knowing what they are going to sing. (In fact, they will only know what to sing just two seconds in advance.)

5. Performance requirements

- Two wireless microphones. (can be provided by the composer)
- Two movement sensors HC-SR04 (provided by the composer)
- Arduino boards and batteries (provided by the composer)
- Two iPads (or similar) running the application programmed by the composer for the performance. (provided by the composer)
- A laptop running Max/Msp 7. (provided by the composer)
- Sound Interface. (provided by the composer)
- WIFI wireless network (provided by the composer)
- Instructions for the performers

6. Required stage layout

- The mixing console and PA equipment
- Two panels of 1.8 x 2 meters

7. Duration

- Open duration 10 min. -20 max.

8. Instrumentation and number of performers

- Two sopranos (professional chorus level is enough, no special soloist is needed)

9. Links to further documentation

- Audio mockup with real sopranos https://drive.google.com/file/d/1RW9QBPmH5EJRAvouFobBxsLGnrSDyyua/view?usp=sharing
- Full documentation https://drive.google.com/drive/folders/1reGu--rJSfei4RAXcKv94suOxQ30yvnF?usp=sharing