AI_Jam
Living Wonderland
SkyWindow

(Artworks)
Topic: (Art and Music)

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AI_Jam

Abstract

AI_Jam is an audio-visual interactive web-based installation which people can use it as an instrument to compose sound together with AI simultaneously. The background drumbeat is generated by AI (Google Magenta) and the beat pattern can be switched by the audience's preferences. While the beat is playing in the background, the audience can freely drag the mouse to different positions on the screen to generate sound. By turning on the "color-tracking mode", instead of mouse-dragging, the audience can move a certain assigned color object (yellow in this code/case) detected by the webcam(tracking.js) in order to generate sound (Tone.js).
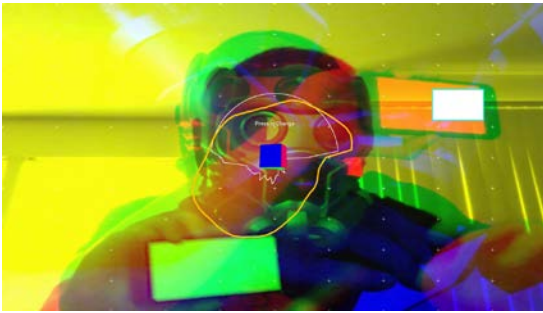
Seeking a stronger and closer bonding and finding the harmony between humans and AI to create a direct interaction for making music is the concept here. Imagine, the audience is just like a lead guitar player by dragging the mouse or move the color object to generate the melody, while Artificial Intelligence as a drummer takes parts in the rhythm. It attempts to lower the difficulty of playing the instruments and realizing the dream of jamming with AI without any sophisticated skillset. The whole piece is done with P5.JS (https://p5js.org/).
Video link: https://vimeo.com/434878576 (password: GaryChangUD)

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Key words: swarm, stereoscopic, interaction, generative music composition

Living Wonderland

Abstract

Living Wonderland "Living Wonderland" is a loop of a short 2-minute film piece that can be viewed with a VR headset as an immersive experience, with a pair of 3D glasses to have the stereoscopic effect, but still enjoy the colorful vision without it.
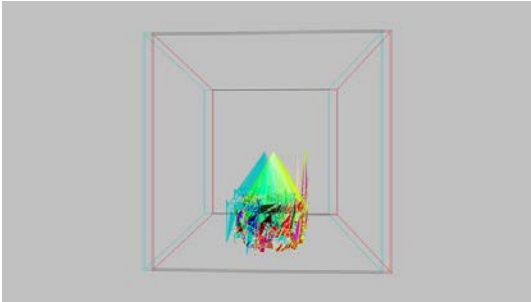
The entire piece is created by the scripts of code as generative art based on swarm behavior intelligence (creative coding). "Living Wonderland" not only metaphorically reveals our lust of craving for freedom but also illustrates the kindness embedded in everyone during this COVID-19 epidemic/quarantine period. No matter it represents the lust or the kindness of every human being, that Wonderland deep in everyone's awareness is just like a "living thing" eager to break through the "frame" of any pre(post)-set constraints, illness, and boundary to look for hope. However, we all know that keeping distance at the time will benefit the entire world. Our inner nature is drastically swinging between the furious thoughts(fears) and the peaceful mind, just like the heartbeat, just like this living wonderland.

Video link: https://vimeo.com/424888833 (password: GaryChangUD)
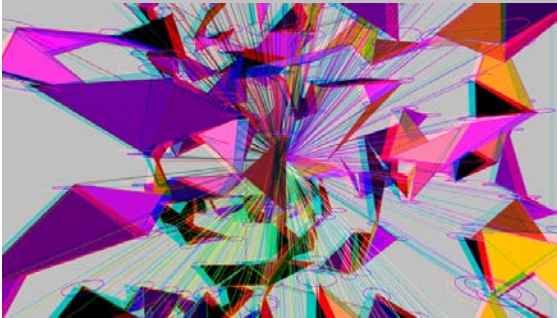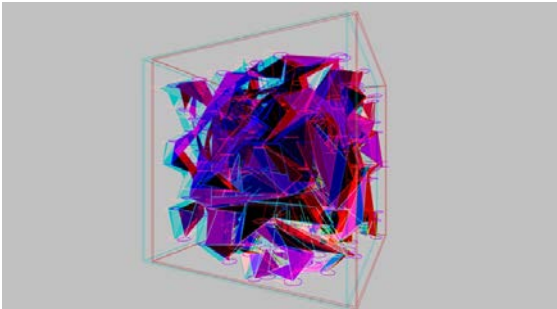
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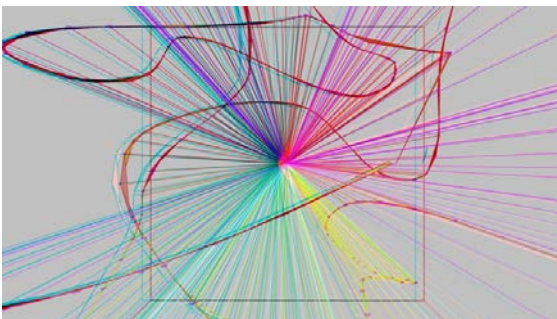***Key words:*** swarm, stereoscopic, interaction, generative music composition

SkyWindow

Abstract
The concept of the "SkyWindow" comes with the idea of being a mental escape from reality, especially under the unprecedented time. Being quarantine in an entire enclosure space continuously for numerous hours and days, people are desperately looking for reliefs in any possible ways. Through the artist's interactive design, looking up to the imaginary sky could be the most enjoyable solution to get the immediate comfort without going out.

The "SkyWindow" is an immersive and intimate experience with sky-like projections on the ceiling like putting a void hole to it as an interactive installation. A dark environment with the projected sky/universe on the ceiling intriguing the audience to walk closer underneath. Further, the visual graphic will induce the audience to reach out to their hands like touching the sky to trigger the raindrops and sounds falling from the "SkyWindow".
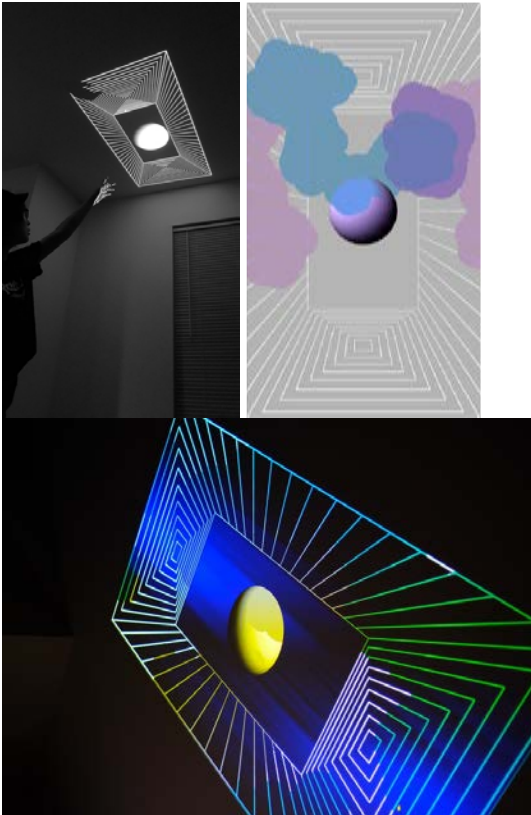
The "SkyWindow" here metaphorically represents a piece of "hope" people can expect during the pandemic. No matter a planet far away in the dark or sunlight in the bright, it gives you unexpected joy and surprise in the design. Besides exposing under different spatial scenes, through this "SkyWindow", waving hands in the air will trigger the (meteor) shower falling from the Sky which ironically implies the power of control that people have been losing it for a while under such an unpredictable moment. And the rain implicitly refers to wash out all the illness and sadness for returning the clean and

pure spirits.

Video link: https://vimeo.com/467863317
(password: GaryChangUD)

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Key words: interactive art, generative
art&sound, Machine Learning, mental
escape