## Tatsuru Arai composer, sound/visual Artist

https://www.tatsuruarai.com/

https://vimeo.com/user24995607

https://www.instagram.com/tatsuru\_arai/

2003-2009 Bachelor and Diplom studies in composition with Akira Nishimura, Toshio Hosokawa and Sunao Isaji at Tokyo college of Music.2007 in composition-class with Bernhard Lang at Implusin Graz.2009-2013 MA-studies Compostion, Computer-programming and Multimedia-art with Wolfgang Heiniger at the Academy of Music "hanns Eisler" Berlin. Opera "Vitruvian" was performed Berlin und London that innovativ contemporary Opera, that to integrate from classical Music to new Technology. His main artistic Thema is to integrate from classical compositions tonew technology, as "TRANS-AGES MUSIC" and to present the fundamental physical nature of the universe in the form of perceptional experiences, that could say aesthetics of "geometric structure". The human perception of sound, a physical phenomenon, influences human beings and the "geometric structure" is a fundamental pillar that allows us to understand the true nature of the universe. Creating a way to experience even a part of the nature of the universe through sound. From 2016 he is composing Hyper Serial Music that will add innovation to the principle of Serialism three-point: "structural", "complex" and "noisy". Hyper-Serial-Music is the algorithm music generated by state-of-the-art technology such as Artificial Intelligence than by native human intelligence only. He is performing this work in over 60 cities. He worked and performed at international Art/Music Festival/.Kinetica Art Festival(LondonUK)Tunisia Fashion week(Tunis Tunisia), Sajeta - Art & Music Festival(Slovenia)B-Seite Festival(Mannheim Germany),Flow Festival(Helsinki Finland) Signal Festival (Cagliari Italy), intermediale Festival (Legnica Poland), CTM Transmediale festival(Berlin Germany), Klankvorm (Rotterdam Netherlands), MADATAC Festival (Madrid Spain), MAtera INtermedia festival (Matera Italy), Gogbot Festival (Enschend Netherlands), Sonic Acts fetival (Amsterdam Netherlands) Generate! lab Festival (Tübingen Germany)ACT Festival (Gwanju South Korea), Live Chinema Festival (Rome Italy) Patch Lab (Krakow Poland) Tartu in Light(Tartu Estonia), WRO Biennale(Poland), Linea Festival(Apulia Italy), SAT Festival (Montreal Canada). Macon Festival (USA). Zerone Festival (Seoul South Korea)







sep. 2022 at Zerone Festival in Seoul Korea presents by IVAAIU













8-11 Sep. 2023 at NUR Festival in Kazan



20 oct-01 dec. 2023 at Arts and tech days/Kunsthalle Kosice in Kosice Slovakia CIKE/EMAP Residency













31 oct- 05 nov. 2023 at Share Festival Turin Art week in Turin Italy

Share Prize XV Ist Prize









#### "Face Of Universe" Performance work

#### AV Performance "Re-solarization"



SONICA Glasgow 2023 in Glasgow UK by Cryptic Glasgow



сяуртіс



#### Theater work "Garden 4.12"



Japan Fest 2023 By AURA dance theatre in Kaunas Lithuania









MAPSION Festival 2023 in Eurajoki Finland

Mapsion competition 1st Prize







"Passion Electrique" at Philharmonie Berlin in Berlin Germany Violin:Aiken Aitbay, Electronic music Mathew Jonson and Jay

#### "Face of Universe"

The principle of our ecosystem was born from the nuclear fusion energy of the sun. At the beginning of the earth's birth, atmosphere contained a lot of carbon dioxide and nitrogen and was high Temperature. After that, over hundreds of millions of years, earth's surface cooled, and the water vapor turned into rain and fell on the earth's surface, forming the sea. About 4 billion years ago, plants were born in the sea. Long after that, our human civilization formed urban. There are several papers, through NASA's observation that plants on Earth are increasing as plants that require carbon dioxide absorb carbon dioxide emitted by humans. Here we can find principles and tips for how Urban city and ecosystems can coexist.

The wild flowers that coexist in the Urban are part of the history of the ecosystem born from the nuclear fusion energy of the sun, and may be the "face of the universe. "Climate mitigation from vegetation biophysical feedbacks during the past three decades https://www.nature.com/articles/nclimate3299

Satellites reveal contrasting responses of regional climate to the widespread greening of Earth https://www.science.org/doi/10.1126/science.aal1727

#### Technology and Nature"

The development of human science and technology, which we call artifacts, affects our view of the universe. Today, we imagine a different universe and civilization from 100 years ago. The shape of Seoul's flowers is reproduced with an algorithm, and the images and music are generated by artificial intelligence simulation. Flowers are part of the Earth's ecosystem of solar origin and are able to absorb matter expelled by humans and work as part of their ecology.

In this Installation work "Face of Universe", these Visual and music by are generated by music, algorithmic analysis, and A.I. systems.



# Technical equipment: original Video is Sound: 2 channels

SampleVideo:FaceOfUniverse3076x768

Resolutions of Original videos:

"1 wide video of 11520 x 2160" (Wide screen)



"3 videos each 4K 3840 x 2160" (Wide screen)



"1 video 4K 3840 x 2160 " (single)



There are 3 Options for setting Installation

OPTION 1: LED display(Pixel Pitch P3.99-P1.56) + 2-4 speakers

Video can fit resolution LED Monitor's Pixels



Portrait



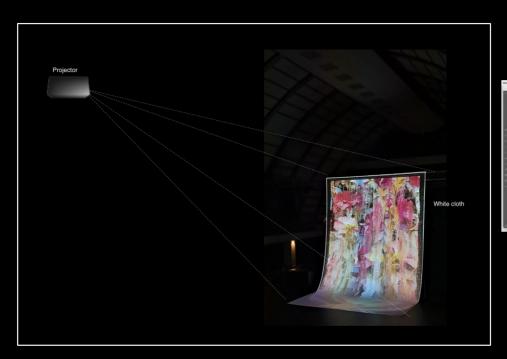
Landscape



#### OPTION 2 "Waterfall" white cloth and 1 projector,

• more than 2 speakers





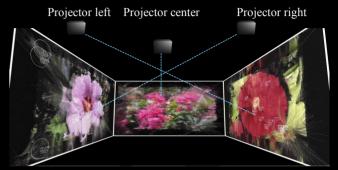
Mapping on the Cloth by Max/Jitter(possible free trial)



OPTION 3: 3 Projectors(4K or HD) + 2-4 speakers

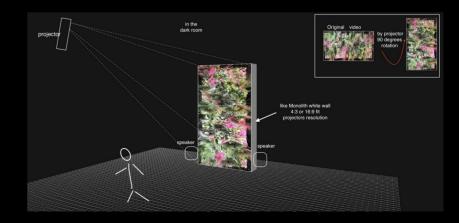


3 Sides on wide screen(White Wall)



OPTION 4: single video 4K LED monitor or Projector





#### **EXAMPLE** for MAKING process







Photo-Collection of flowers and plants in Kosice City

Tatsuru collected photos of wild flowers at 13 locations, mainly in Kosice city around where people live,in 5 parks (Park Anička, Lesopark Furča, Mestský park, Zuzkin Park, Park Barca,), Botanical Garden Kosice, several facilities, residential areas, and roadsides.

As a result of this research, it could be interesting to note that there are more types of flowers in residential areas than deep in Nature Area. Humans have producted many types of flowers and plants. Among living things, humans are one of the few organisms that can produce and manage flowers and plants.

Original Photo

A.I. generate using painting techniques from 19th and 20th century





Generate of 19th and 20th century paintings by A.I.

Using A.I. from photo of flowers, new paintings are generated using painting techniques from 19th and 20th century impressionism and expressionism and Japanese ukiyo-e styles.A.I. allows us to connect currently plants to the past history of Art.

Sound/Visual composition by real time generation

Sound system by Boris Vaitovic created by Pure Data, that generated based on motion and color analysis of the generated paintings and attempts to fusion and coexistence natural environmental sounds and generative sound by new technology.

Visual System by Tatsuru Arai generate the particles/cells of the flower fall like a waterfall by gravity through the color analysis obtained from the painting, and are returned to the earth and the universe as materials.

"Face Of Universe" will remind to our neural circuits connection of "Flowers in Kosice", "paintings/history of the past", and "our ecosystem as return to the Universe/earth" by new technology and A.I.



Installation Design by Brois Vaitovic

The installation is designed by Brois Vaitovic. He focuses more on Tatsuru Arai's concept of the flower cells in the painting falling like a waterfall, as returne to Earth/Universe. This Project evokes one of our ecosystems, civilizations, history and connections to the past.