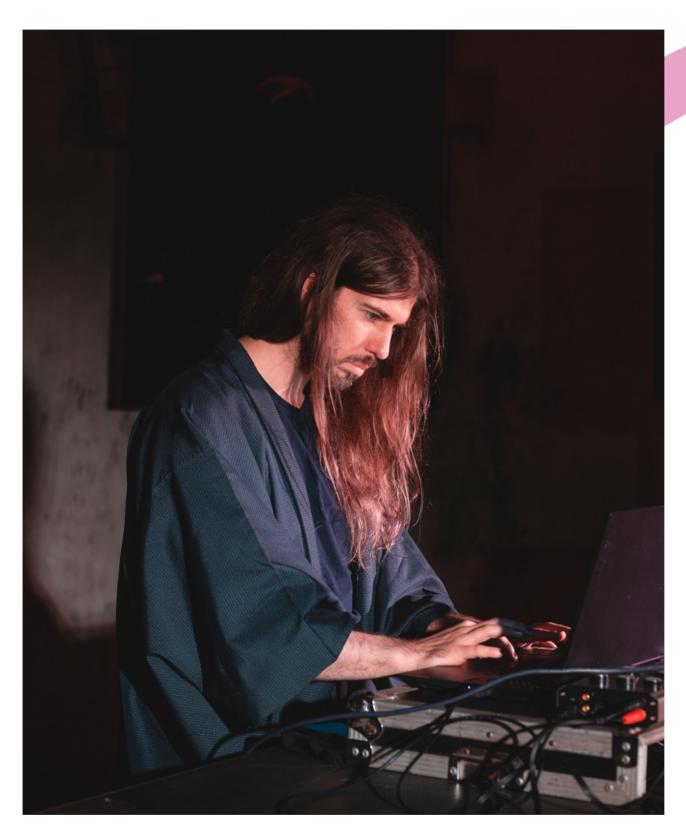# Interactive art and the environment of *Pure Data* with Vygintas Orlovas

In order to participate in the workshop please complete the application https://tiny.pl/tb5vk

Who is Vygintas?

Dr. Vygintas Orlovas, born in 1989 in Kaunas, Lithuania, is an artist and researcher working in both visual and audible art and focusing on the relations and connections of these two fields.

Vygintas has taken part in art exhibitions since 2009, in conferences since 2014, started teaching at Vilnius Academy of Arts in 2015 and has earned his doctoral degree in arts (practice-based research) in 2019.

Skills to gain:

- Understanding the fundamentals of Pure Data;
- Understanding the basics of additive and subtractive synthesis;
- Learning to use sensors (sound, motion, touch) in interactive art.

Workshop timetable:

06.12-09.12.2021

Studio 608 CSU CI / Traugutta

06.12.2021 / 3:00 pm–5:00 pm
- Introduction to PD – objects, messages, numbers and the general workflow.
- Sound in PD – basic wave shapes, additive synthesis, subtractive synthesis, using microphones as sensors.

07.12.2021 / 10:00 am–2:00 pm
- Images in PD – installing the GEM library, connecting webcams, creating a motion sensors by using a webcam.
- Interactivity in PD – making sound control video and vice versa.

08.12.2021 / 9:00 am–12:00 am

- Discussion on interactive art – brainstorming for individual projects of each participant.
- PD topics depending on the needs – making your projects in PD, connecting PD with other software via MIDI, connecting PD with micro processors (bare conductive, arduino) and creating external sensors via conductive materials, plants etc.

09.12.2021 / 10:00 am–1:00 pm

- Developing personal projects and having discussions based on them.
- Using the patches for either a small scale exhibition or a performance.