Mixed Reality Technologies
Guidelines for Miniproject 1

In order to pass the MRT course, you need to complete two mini-projects. In each mini-project, you will create an interactive, realtime, multimedia work using TouchDesigner. Each work should last 5 minutes when performed. In Session 6 on 14 October, you will give a live performance of the first of these works, along with a 5-minute presentation explaining the motivation behind the work, how it was created and why you chose to construct it in the way you have. You should highlight any interesting technical or creative aspects of the work. You will give a live performance and presentation of the second work in Session 12 on 4 November.

For each project you should either work alone or in a group of no more than 3 people. All members of the group should be actively involved in the performance of each work and the creation of the network(s) that you use to deliver it.

Each of the two networks you build should function as an efficient tool that allows you to deliver your performance.

For Miniproject 1, your work should have a coherent large-scale structure (form) that keeps the audience engaged throughout. The large-scale structure could be based on a narrative or it could be based on more abstract relationships between elements in the work at different time scales (from small motives up to main sections). If you choose the latter approach, you might find it useful and inspiring to explore the topic of musical form (e.g., sonata form, fugue) for ideas as to how to organise your work. Evoke a variety of affective states by contrasting complexity with simplicity and by establishing expectations, then either fulfilling them or surprising your audience. Explore varying tempo and rhythm in meaningful ways. Change the meaning of re-occurring elements in the work by varying the contexts within which they occur and by transforming elements in more or less complex ways when they recur. Finally, hide a secret structural relationship, reference or message in your work that the audience is unlikely to perceive on the first presentation, but that could realistically be discovered by someone who studies the work in enough depth.

Finally,
- the work should be visual, but you can optionally include a sonic aspect too
- the work should take input from a source over which you do not have control (e.g., the weather, the stock market, a sequence of random numbers, the current sonic environment, etc.)
- the work should be interactive, meaning that you, as performers, can control certain aspects of how the work unfolds (e.g., through a suitably designed control panel that can be used to adjust the values of parameters)

The deliverable for Miniproject 1 is the live performance and the presentation on 14 October. But you should also upload your network as a toe file to a GitHub repository.