

*Mutation* (2015) for clarinet and electronics. Duration 8:18 minutes

*Mutation* is a sound-based composition for amplified clarinet with a synthetic reed and fixed electronics. In *Mutation*, I developed a new ultra-thin synthetic reed for clarinet using laser-cut, 3D printing and casting technologies. Furthermore, I developed a number of new sound possibilities and performance techniques using the novice reed. I proposed notational solutions for these techniques and appropriate documentation that explain them. The electronic part bridges the new sounds with soundscape formations and associations. *Mutation* has been commissioned for the EXPO2015 and the Divertimento Ensemble in Milan/ Italy. *Mutation* features some of the results of my previous research on new instrumental sound possibilities. It incorporates a variety of composition models, which are based on sound-to-sound structures, on transformation strategies from one sound to another as well as on functional classification sound models.