

M1. MUSIC SESSION 1**M1.1 Arne Eigenfeldt***TinySounds: for voice and musebot ensemble*

Intelligent agents – musebots – respond to live input: quiet sounds made by the voice. Musebots are autonomous musical agents that interact with other musebots, as well as human performers, to create and perform music. Musebots communicate through messages; in this work, one musebot analyses the live performance, and messages its data to the other members of the ensemble, who individually decide how to react to the information. As such, the audio musebots don't "listen" to the live input, and instead react to the data.

Duration: 10' 00"

Arne Eigenfeldt is a composer of live electroacoustic music, and a researcher into intelligent generative music systems. His music has been performed around the world, and his collaborations range from Persian Tar masters to free improvisors to contemporary dance companies to musical robots. He has presented his research at major conferences and festivals, and published over 50 peer-reviewed papers on his research and collaborations. He is a professor of music and technology at Simon Fraser University.