

SMC. MUSIC SESSION AT SALA MARÍA CRISTINA**SMC.1 Chris Rhodes***Duet for Violin and Biofeedback*

Duet for Violin and Biofeedback is a live interactive piece, for Violin and Tape, which uses new wearable sensor technologies (biosensors) to explore the relationship between performer and performer biometric data. The piece incorporates the term ‘bio-feedback’ for this reason. The piece is in two parts. The first movement allows for the performer to play from a score, in unison with a Fixed Media recording, which uses the acousmatic medium to relay sounds inspired from trends observed in studied biometric data. The second movement, however, allows the performer to interact with the piece: deciding its structure and dictating how the piece will sound. They do this by wearing a biosensor, to perform novel gestures (created via machine learning before the performance), which affect playback and musical parameters of the Tape. Ultimately, this piece aims to explore the discourse between music inspired by biometric data and music composed from biometric data.

Duration: 9' 20"

Year of Composition: 2019

Chris Rhodes: Doctor of Philosophy, Music Composition, NOVARS Research Centre, University of Manchester, UK.