

Sound E-scape: an interactive, digital application for music therapy and soundscape generation



Patrick Mark Duffy, Flaithri Neff

TUS, Ireland
patrick.duffy@lit.ie, flaithri.neff@lit.ie

Abstract

This poster details the design and construction of 'Sound-Escape', an interactive software application that provides the ability to generate natural soundscapes and filtered noise sources for the purposes relaxation and sleep, as well as the ability to engage in musical therapy by presenting interactive musical therapy instruments digitally. The application is operable by mouse, however, a design for an associated MIDI (musical instrument digital interface) controller that provides a

simple six-button configuration that allows a user to navigate through the application and activate its various features is also provided.

Sound-Escape is designed to align with four Universal Design Principles (Universal Design Institute, 1989): Equitable Use, Simple and Intuitive Use, Perceptible Information, Low Physical Effort. Its purpose is to provide a digital means of generating soundscapes and engaging with musical therapy.