

Abstract

This research report investigates the role of the musical instrument, Marimba Lumina in the post-electronic music compositions by Lukas Ligeti, musician, performer and composer. Innovative works require new kinds of interfaces and instruments for new modes of musical expression. Post-electronic composers can now redefine their music and find a new musical identity through the advancement of technology. Although tradition has always been a key influence on the expressive level of composers, new trends and technologies have helped to catapult them to greater heights of achievement.

In this research, through the examination of various musical parameters that define and characterise Ligeti's compositions performed on the Marimba Lumina, the application of these parameters will be explored in the context of computer-based music. Technology has had an enormous impact on the world of music creating new dimensions and possibilities to the extent that composers have virtually limitless avenues of self expression through their music. This research report also addresses the issues surrounding "laptop musicians¹".

¹ Musicians that perform music by pushing computer buttons