

Work Plan for STSM for Mark Marshall

Investigation and Evaluation of Sensors and Interfaces for Musical Expression

The primary goal of this STSM is to perform an evaluation of interfaces for musical expression, towards the compilation of a resource detailing a number of sensors and interfaces. This work would extend on work already completed by Mark in the course of his research and would allow him to make use of the valuable experience and resources of the members of Music Technology Group at McGill University.

The particular aims of this mission are to:

- Combine resources related to sensors and interfaces
- Evaluate a number of interfaces for musical expression
- Share resources and experience in the areas of sensors, sensor interfacing and microcontroller programming.

This work aims at expanding on previous work by Mark, and by members of the Music Technology group in order to create a useful resource for members of the COST action in the creation of interfaces for audio systems. By combining the experiences of the members of the Music Technology Group in the areas of sensors, interfaces and musical expression with Mark's experiences in sensors, controllers and gesture interfaces, it is hoped to create a resource which can be extremely valuable to the members of the ConGAS community. This resource will be delivered to the members of the ConGAS community after completion of the STSM to allow them to benefit fully from this mission. This resource may also be useful in the creation of a number of the final aims of the ConGAS group, including the information knowledge base for hardware devices and the final publication.

Funding Requested

Travelling expenses (flights to Montreal, public transport costs)	Eur. 800
Accommodation (24 nights @ 30 euro)	Eur. 720
Subsistence (24 days @ 20 euro)	Eur. 480

Estimated Total Cost:	Eur. 2000