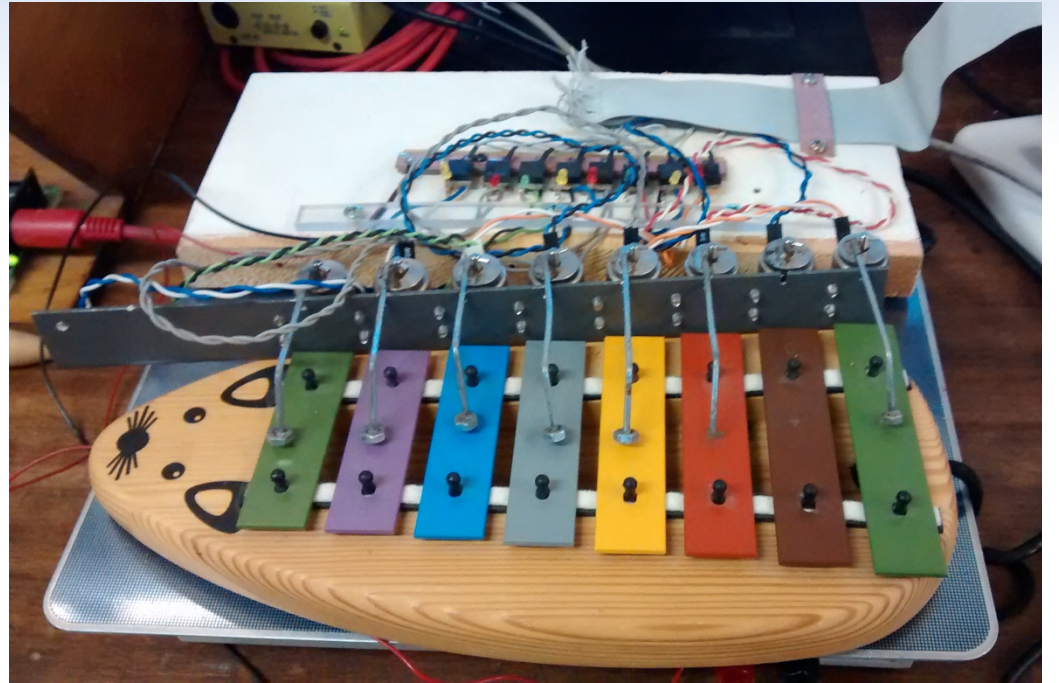# Towards a Robotic Orchestra

Introduction

- Computer/robotic controlled production of music.
- Using (adapted) real instruments - not synthesizers.
- Distributed and extendable.

Why is it important?

- It encourages us to understand how a human interacts with the instrument.
- It causes us to gain an understanding of why a device might struggle with a task that a human finds relatively intuitive.

Photo: Paul Wilkinson, Royal Institution.

How is it done?

- We construct a 'device' that imitates human behavior in controlling the instrument.
- MIDI music is sent to a small microcomputer which then activates the device controlling the instrument.
- We collaborate with other groups when opportunities arise.

What's next?

- Improve the control of existing instruments.
- Investigate the control of other styles of instrument.

Dave Price and Colleagues, Computer Science