

Supporting Drum Learning/Playing through the use of Haptic Wearables

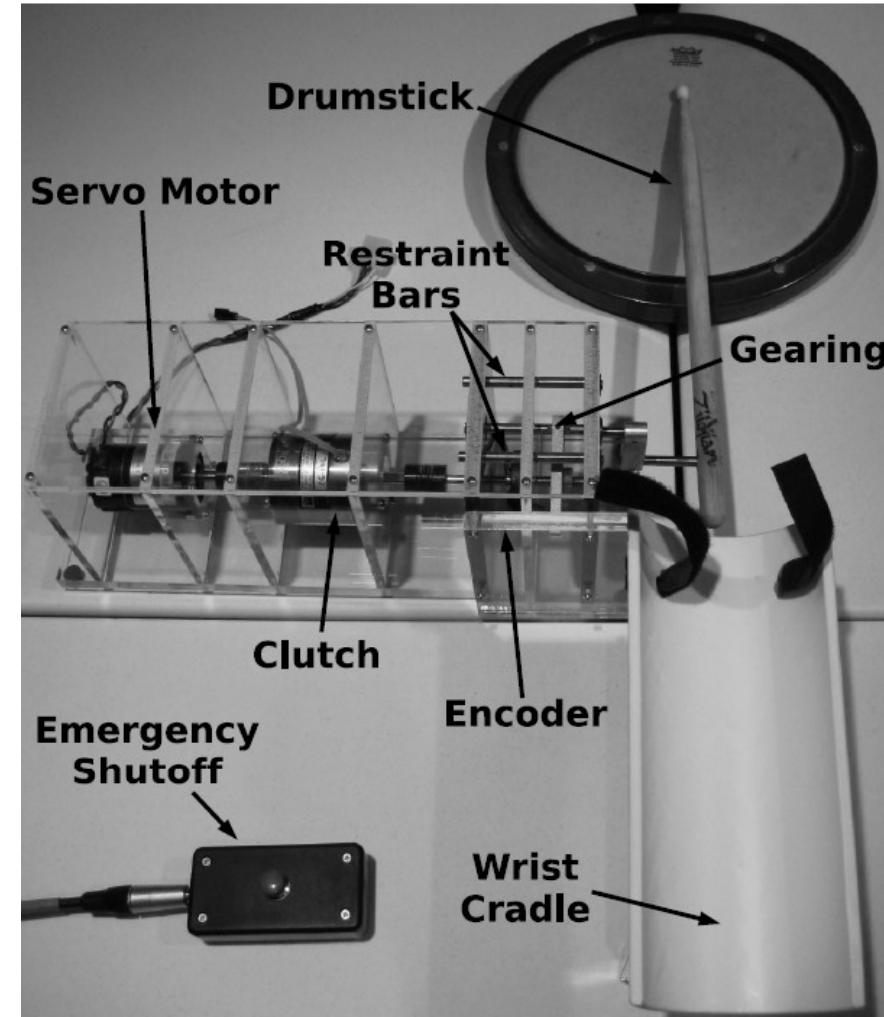
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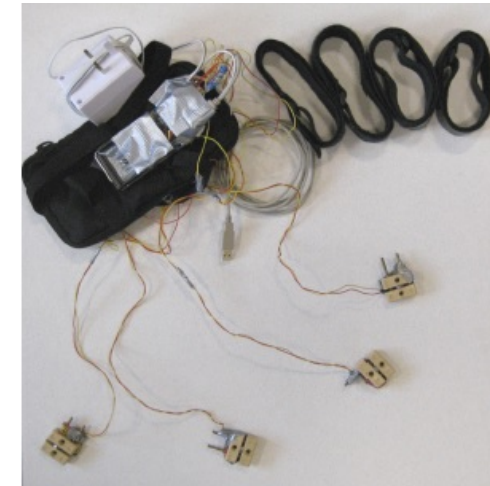
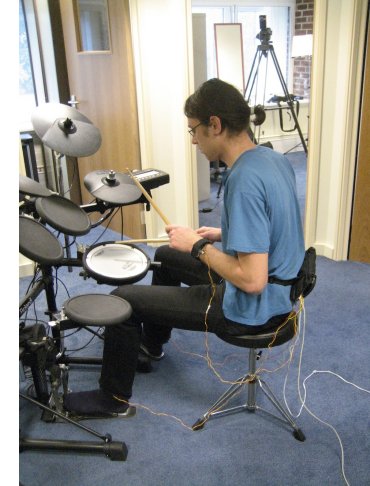
The Haptic Guidance System 2008

- Haptic guidance
 - Timing
 - Strike Velocity
- Replay possible
- Wrist position secured
- Safety measures
 - Restraint bars
 - Emergency shutoff

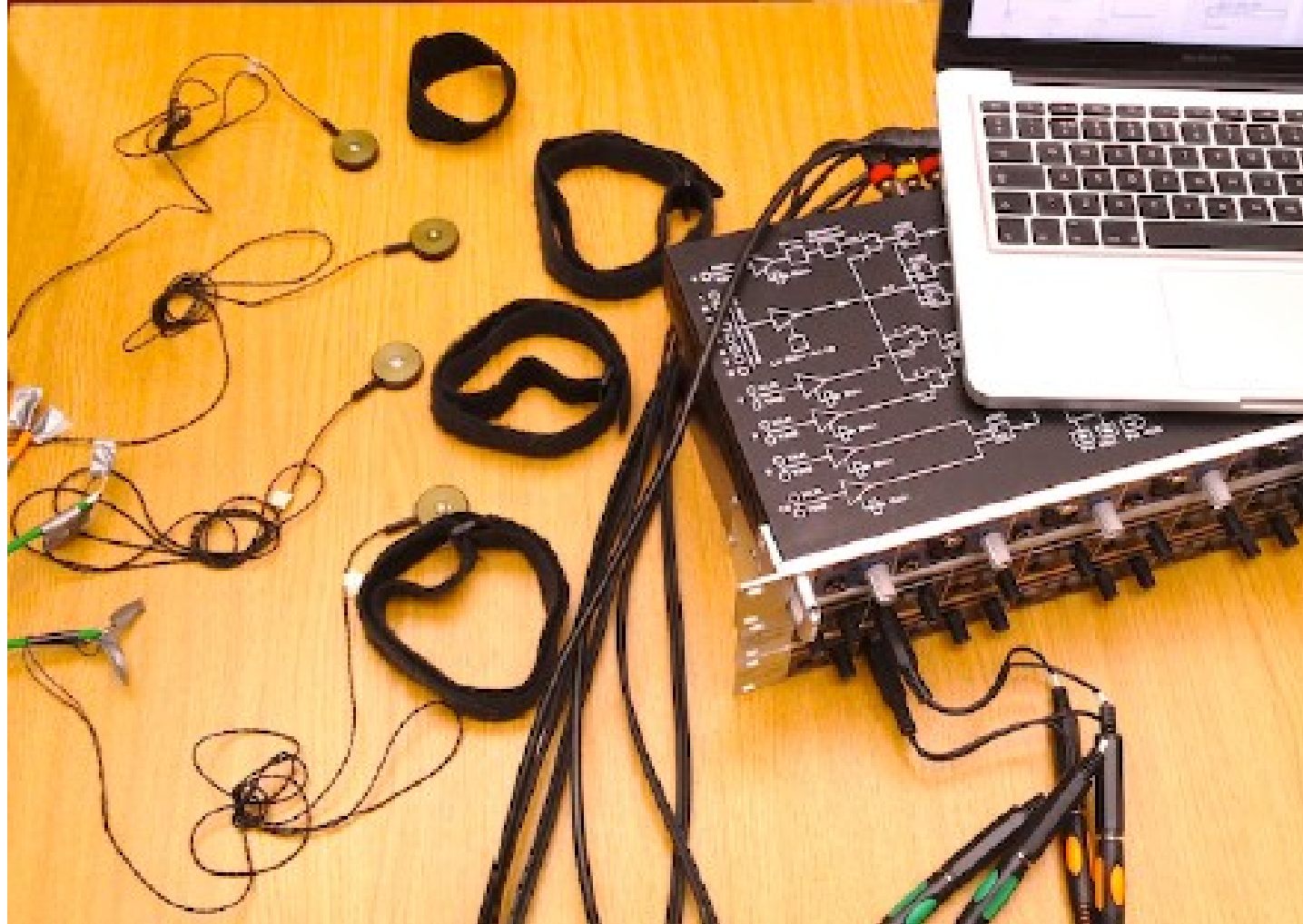


The Haptic Drum Kit 2010 / Haptic iPod 2011

- Vibrotactiles attached to each limb
- Multi-limb coordination
- Polyphonic rhythms
- Active and passive learning



The Haptic Bracelets 2013



- Vibrotactile guidance for drum targeting and striking strength
- Dense tactor placement increases identification time
- Only single vibrotactile cue at a time

