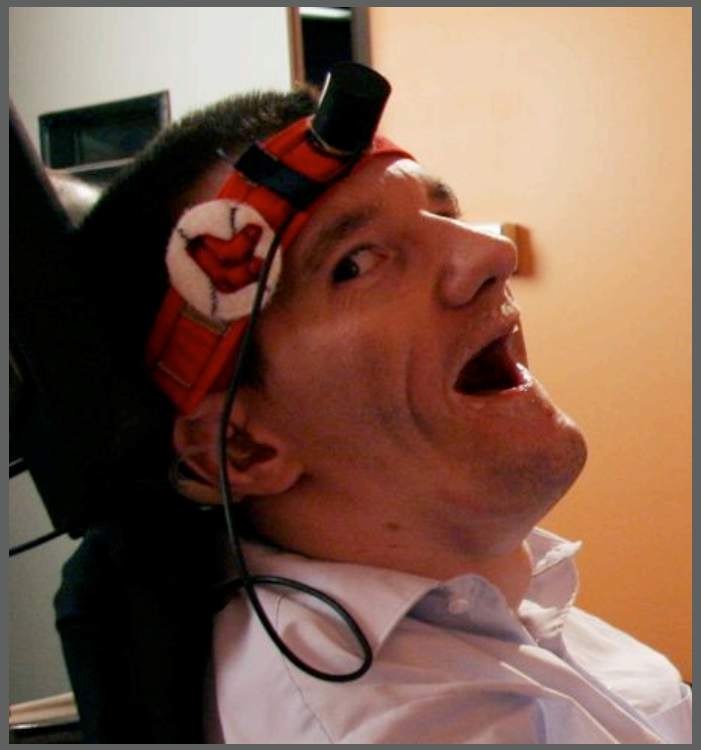
ENABLING EXPRESSION

Music as Ultimate Human Interface



Tod Machover
MIT Media Lab

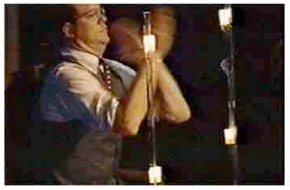
Mozart Effect

Mozart
Effect

Active Music

New Sounds, Concepts, Tools & Technologies for:

- **Virtuosi**
- **Music Lovers**
- **Kids**



Hyperinstruments

Brain Opera

House of Music, Vienna

Harmonic Driving

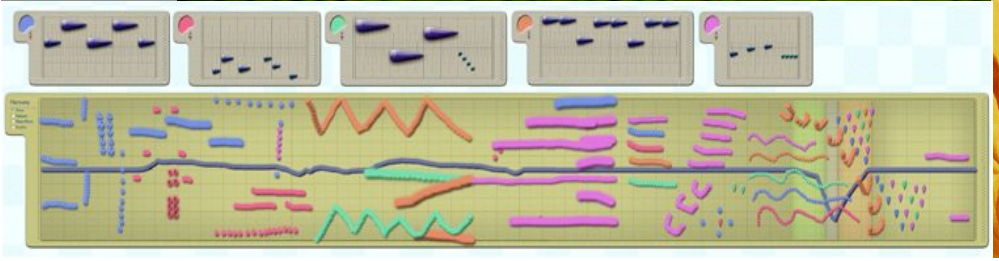
Singing Tree

Gesture Wall

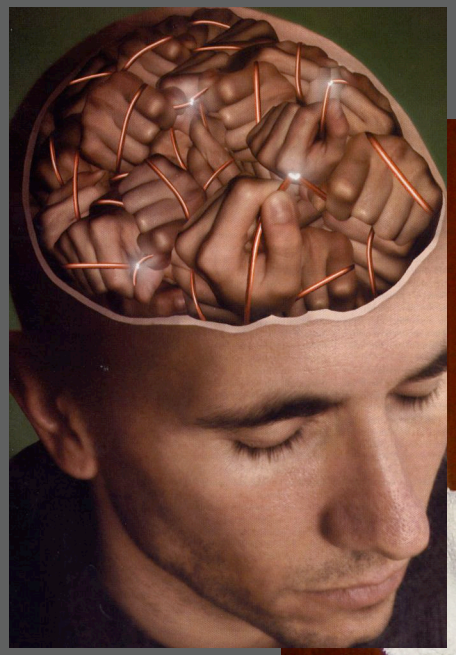
Melody Easel

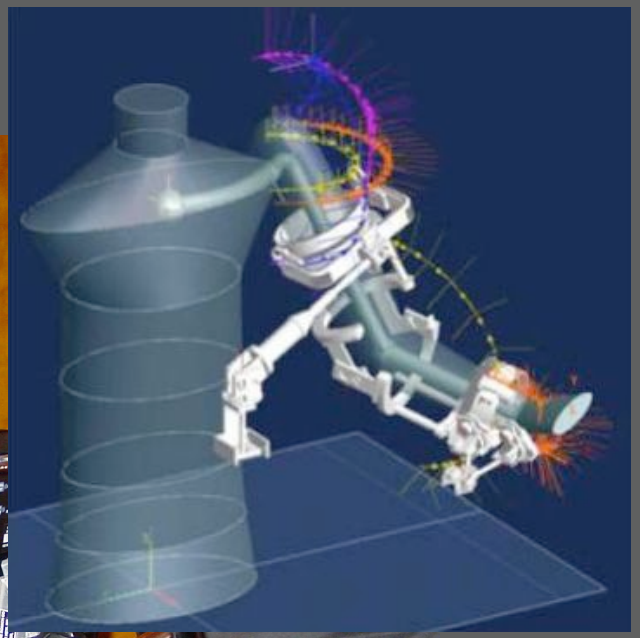
Toy Symphony

TOY
SYMPHONY

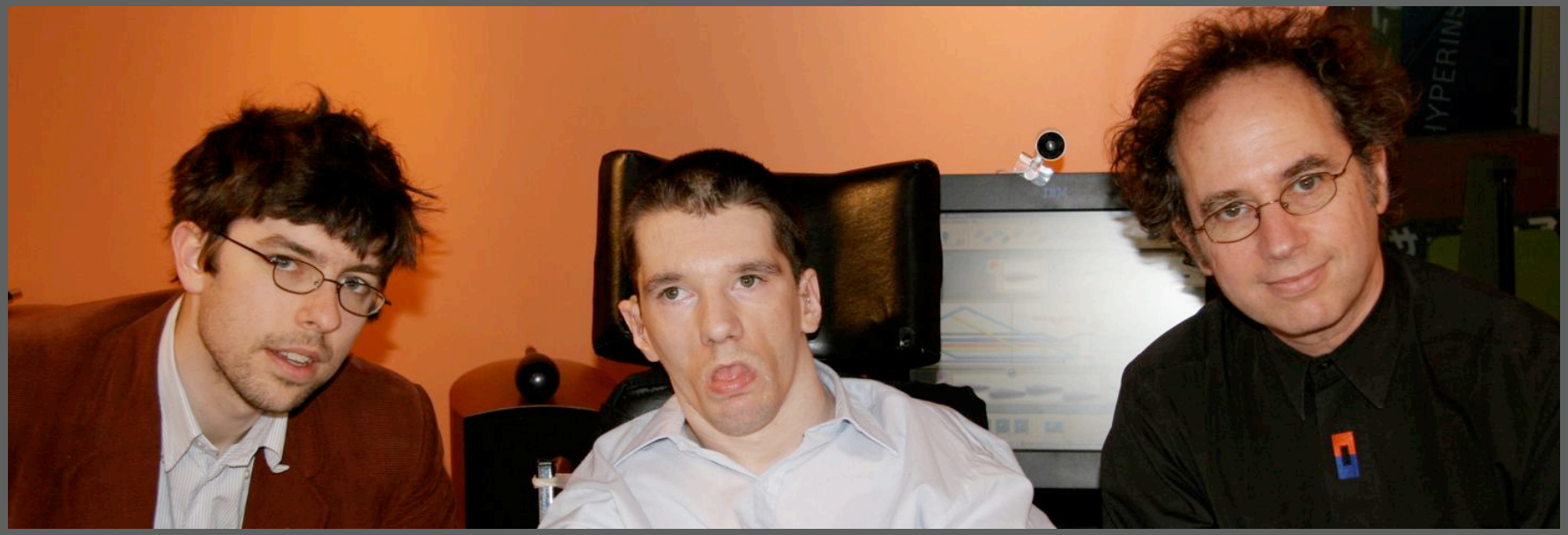


Music, Mind & Health





Tewksbury Hospital



Adam Boulanger Dan Ellsey

Enabling Musical Expression

Performance:

IR Head Tracker Camera System

Continuos Data Analysis

- Range of Motion
- Velocity
- Curve Detection

Mapping to Expressive Control

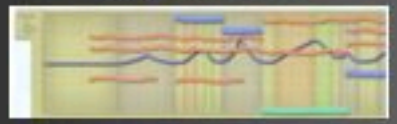
Software Synthesizer

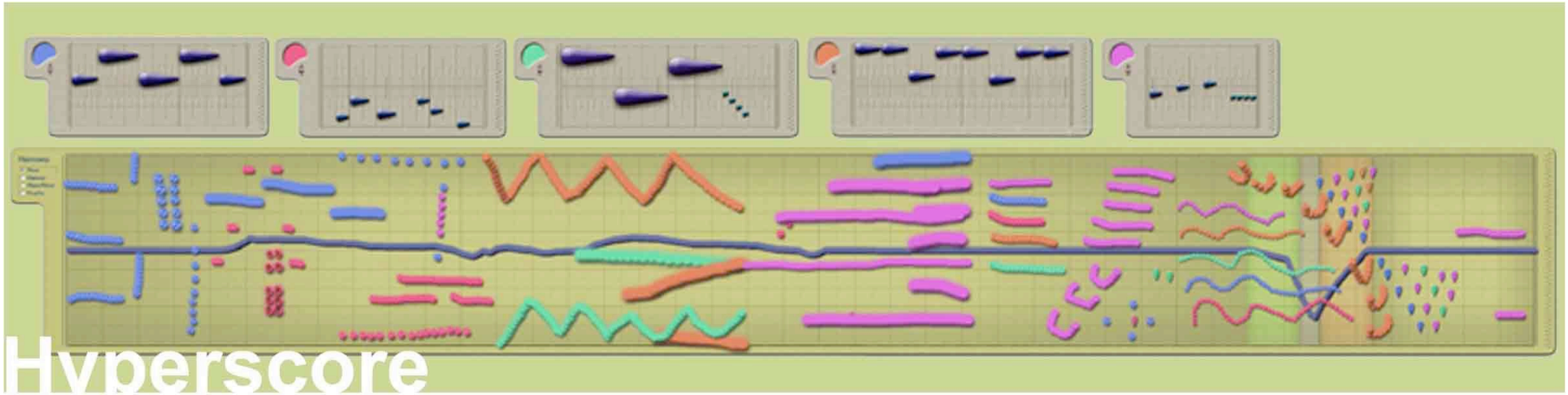
Audio Output

Composition:

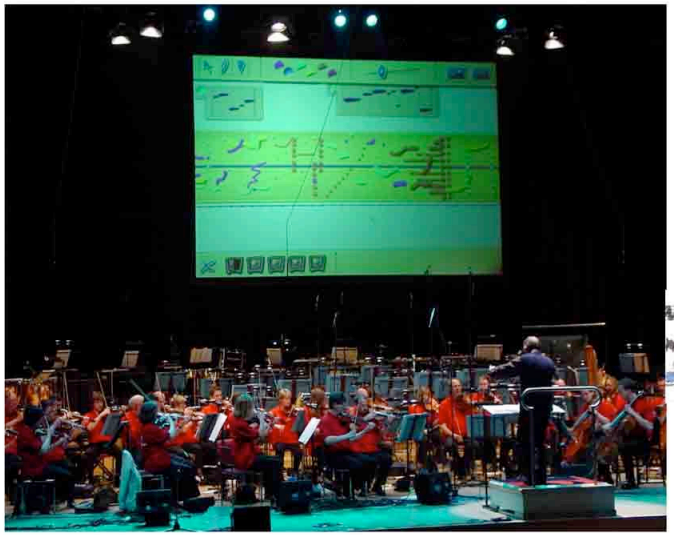
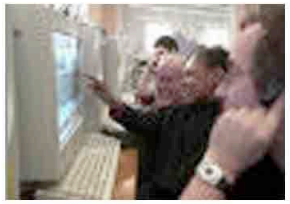
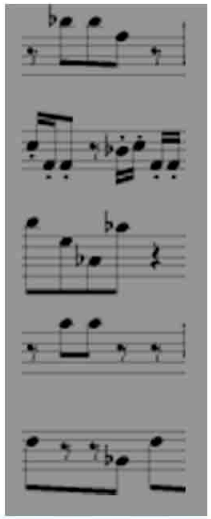
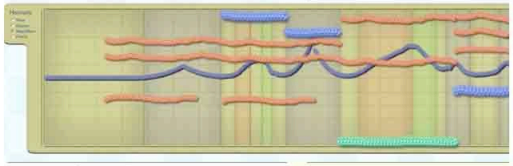
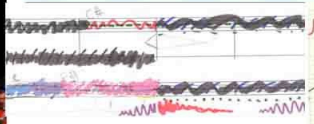
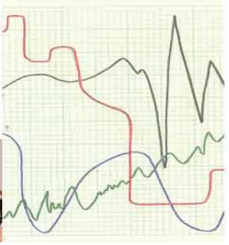
IR Head Tracker Camera System

Hyperscore





Hyperscore

- Culmination of over 15 years!
- Everyone can compose
- Line & Color
- No need for music theory, notation
- Converts Hyperscore into “music” (to be played by live musicians)
- Converts music into Hyperscore
- Developed and distributed by Harmony Line Inc.

http://www.hyperscore.com