

Portfolio Presentation

Research Presentation

- Hussein Chalayan
- [Video](#)



- Thecla Schiphorst
 - <http://www.youtube.com/watch?v=jTANi9CEAAM>
- Joanna Berzowska
 - <http://www.berzowska.com/>



Instrumented Bodies: Digital Prostheses for Music and Dance Performance

http://idmil.org/projects/prosthetic_instruments
[Video](#)

Interactive Costumes

- Input/Sensor
- Output/Actuator

Interactive Costumes

- Input/Sensor
movement, distance, light, sound, touch, etc.
- Output/Actuator
 - Light, movement, sound

INPUT/SENSING

- Soft circuit technology
- Sensory data
- Quality of senses

OUTPUT/ACTUATION

- Light - LED
- Movement – Motor, fan, vibrator, SMA(Shape Memory Alloy)
- Sound – Speaker

LED Dress

- <https://www.youtube.com/watch?v=8S2cjuTAk-g>

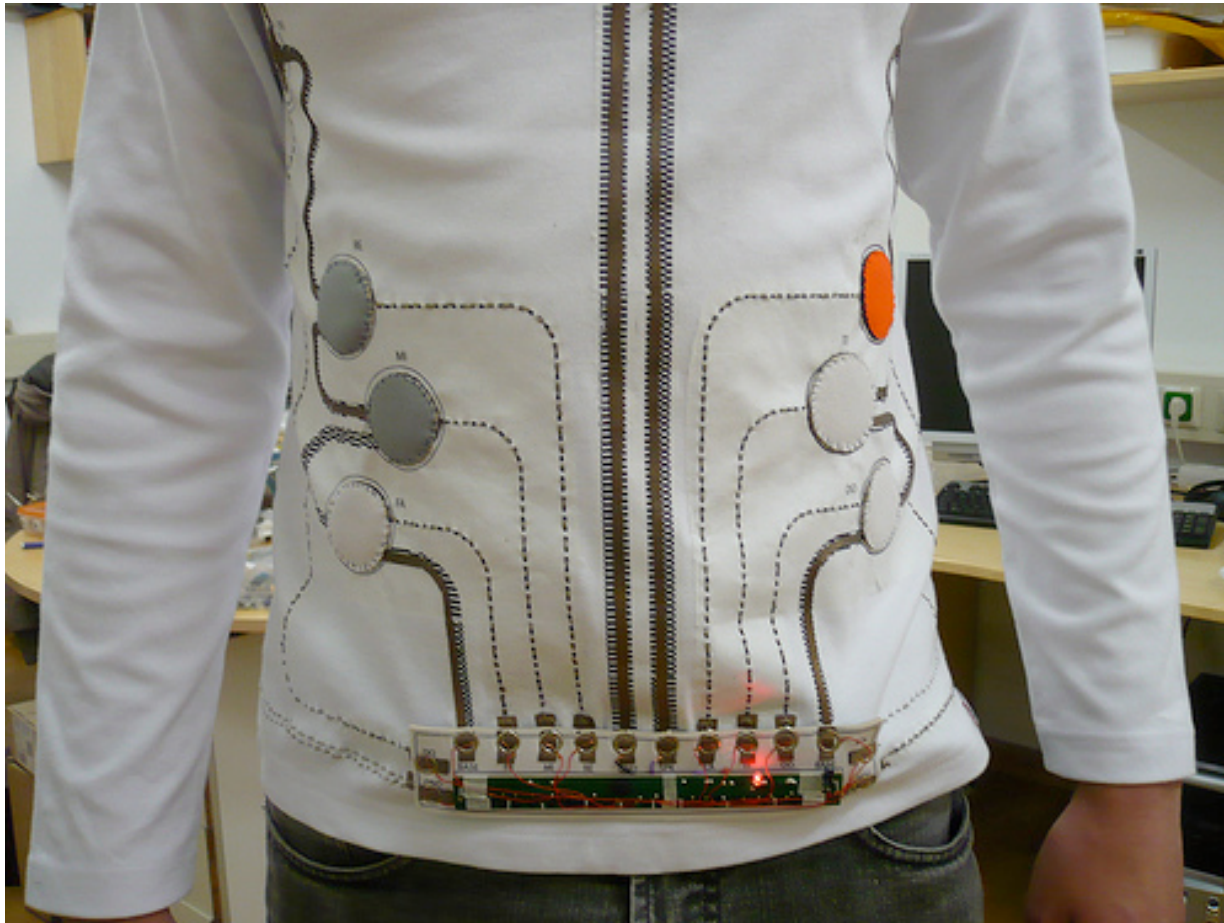
Movement – Muscle Wires

- Walking City,
- by Ying Gao (2006)
- [Video1](#)
- [Video2](#)



Sound

- Wearable Toy Piano, [video](#)





Petting Zoo, [video](#)

Examples

- Butterfly Sonata
- [video](#)

Examples

- Interactive Dance Object
 - “Proximity”
 - [video](#)

Resources

- Fashioning Tech
 - <http://www.fashioningtech.com/>
- How to get what you want
 - <http://www.kobakant.at/DIY/?cat=179>

Sketch One

- Interactive Costume Design and Fabrication
- Theme: **Symbiosis** (Living Together)
- Type: Wearable or Tangible Object
- Material: Soft/flexible material

- Consider other stage components
 - Lighting
 - Base costume
 - Choreography
 - Music
 - Environment

- Concept Proposal Due: Jan. 29
 - Concept Description, Drawing, Choreographic ideas (space/time/energy), Stage setup
- Costume due: Feb. 12
 - 2 mins(max) dance with an interactive costume
 - Sound/Music
 - Lighting concept (Magic sheets/Cue sheets/ Illustration)

Costume Design Tutorial

- Carisa Armstrong