

Aneta Genova

F@shion
and Tech



Experimentation in Technologies with application in fashion design



Thesis Research/Concepts

Fashion and Tech Textbook

Fashion design perspective
Integrating technology into fashion

Accompanying Website

Photo and video documentation of material experiments
How-To-Tutorials

Social Media Developments

Establish presence within the industry

Curriculum Development

Traveling International Fashion-Tech Workshops

Method

. Highlight case studies (example projects) that establish a baseline and major precedents for the current state of the art in the field.

. Hands-on, step-by-step, material experimentation with current technology and materials for integrating fashion with technology. These activities are not rigid "how-to" tutorials, but are meant to provide creative inspiration and practical useful skills, and knowledge.

. Interviews with practitioners on the cutting edge of integration of fashion with technology

. Interviews with established fashion designers, who provide alternate critical perspectives on the field.



WHAT?



Experiments in Varied Technologies

Materials

- Conductive materials (actually can connect with the other high tech fabrics, but they so important that they deserve their own section.)
 - Fabrics
 - Threads
 - Inks
 - Tapes (3M tape unidirectional conductivity)
 - Unexpected/household: paper clips, tuna cans, foam, binder clips, playdough or other conductive polymers.
- Electronics
 - Basics of electricity, basic circuits
 - Sensors and actuators (input and output – transducers – includes things like LEDs, sensors, electroluminescent materials, etc.)
 - DIY development kits: Lilypad, Heat.it, Fabrick.it
- High-tec fabrics
 - Thermochromic (heat)
 - Hydrochromic (water)
 - Photochromic (light)
 - Light Reflective

Production

- Digital Fabrication
 - 3D printing
 - Laser Cutting
 - Manufacturing on demand (also connects to distribution.)
- Open Source
 - Fashion Hacktivism

Pixel Art

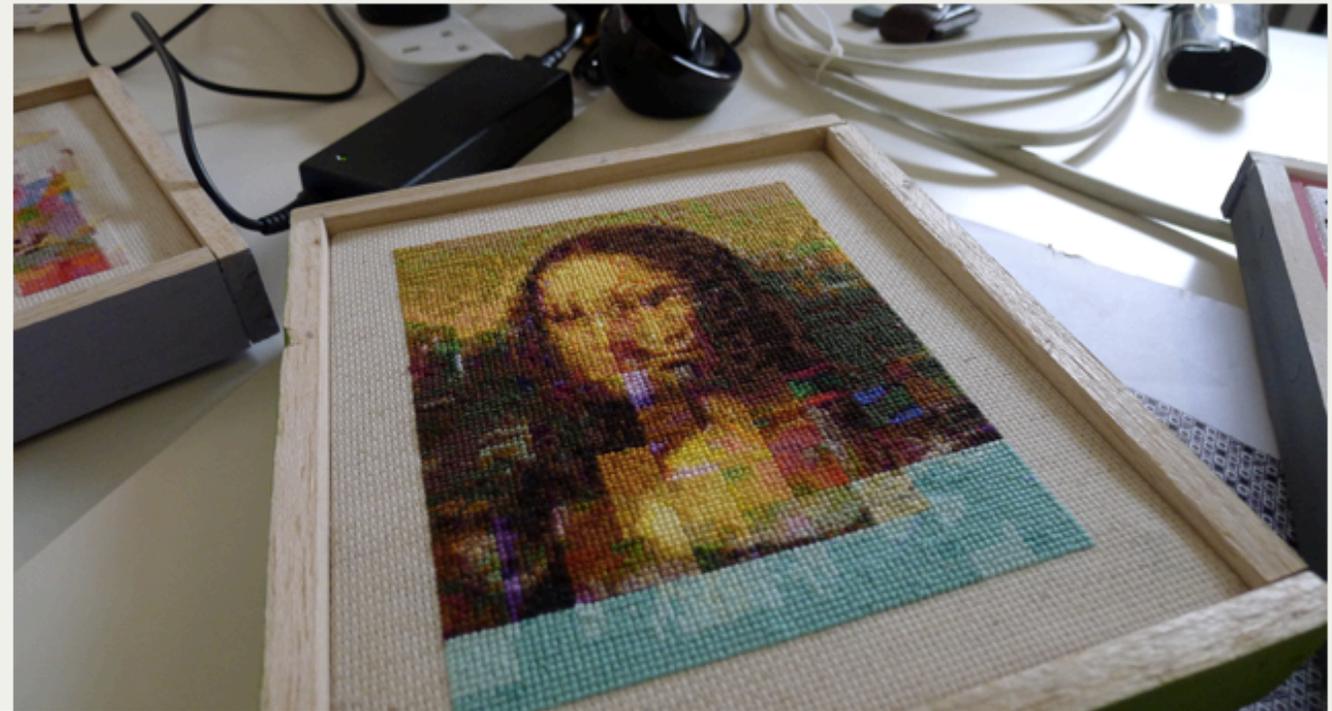
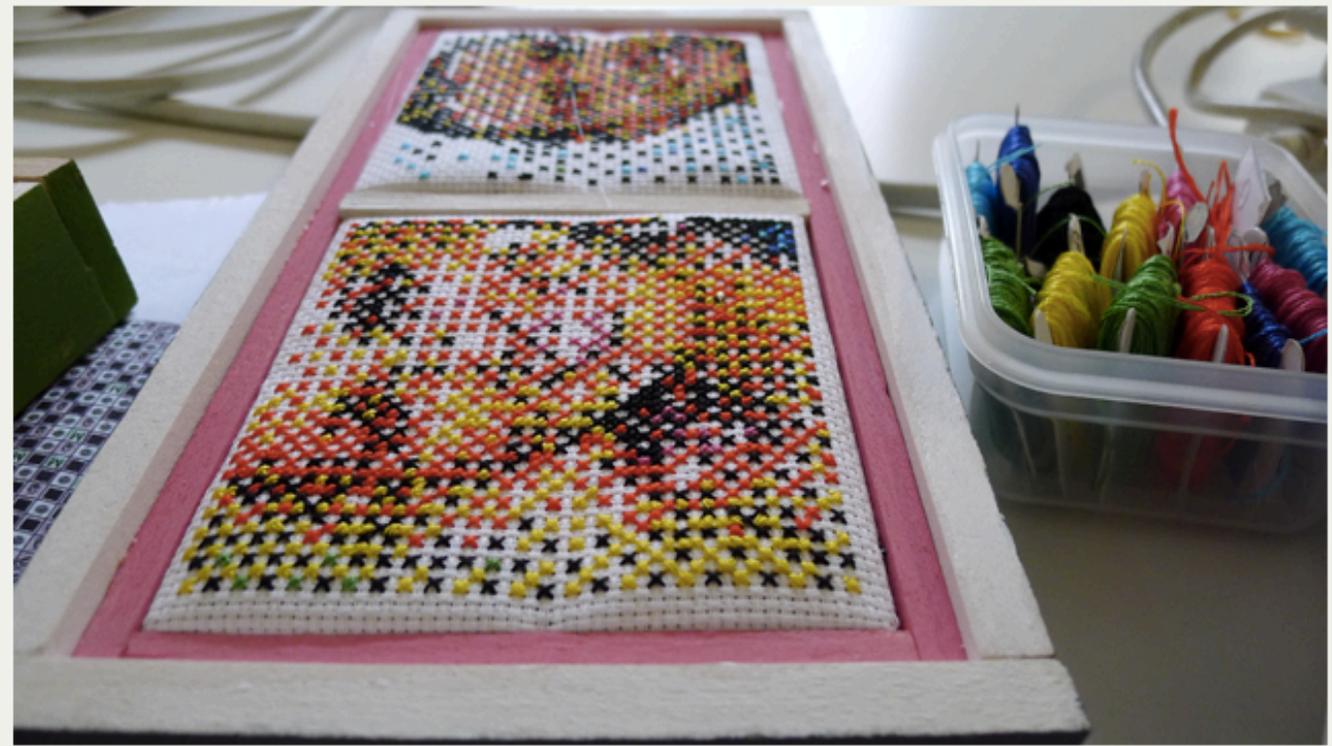


Disrupted image - cyber



Workshop:

Stitch and Glitch



3D printing



carbon fiber 3 D printed
Shoe designer Zuzana Serbák



3D printed
Shoe designer Zuzana Serbák



Iris Van Herpen



Hussein Chalayan



If I only knew where to begin...

