

KOEB
KANT

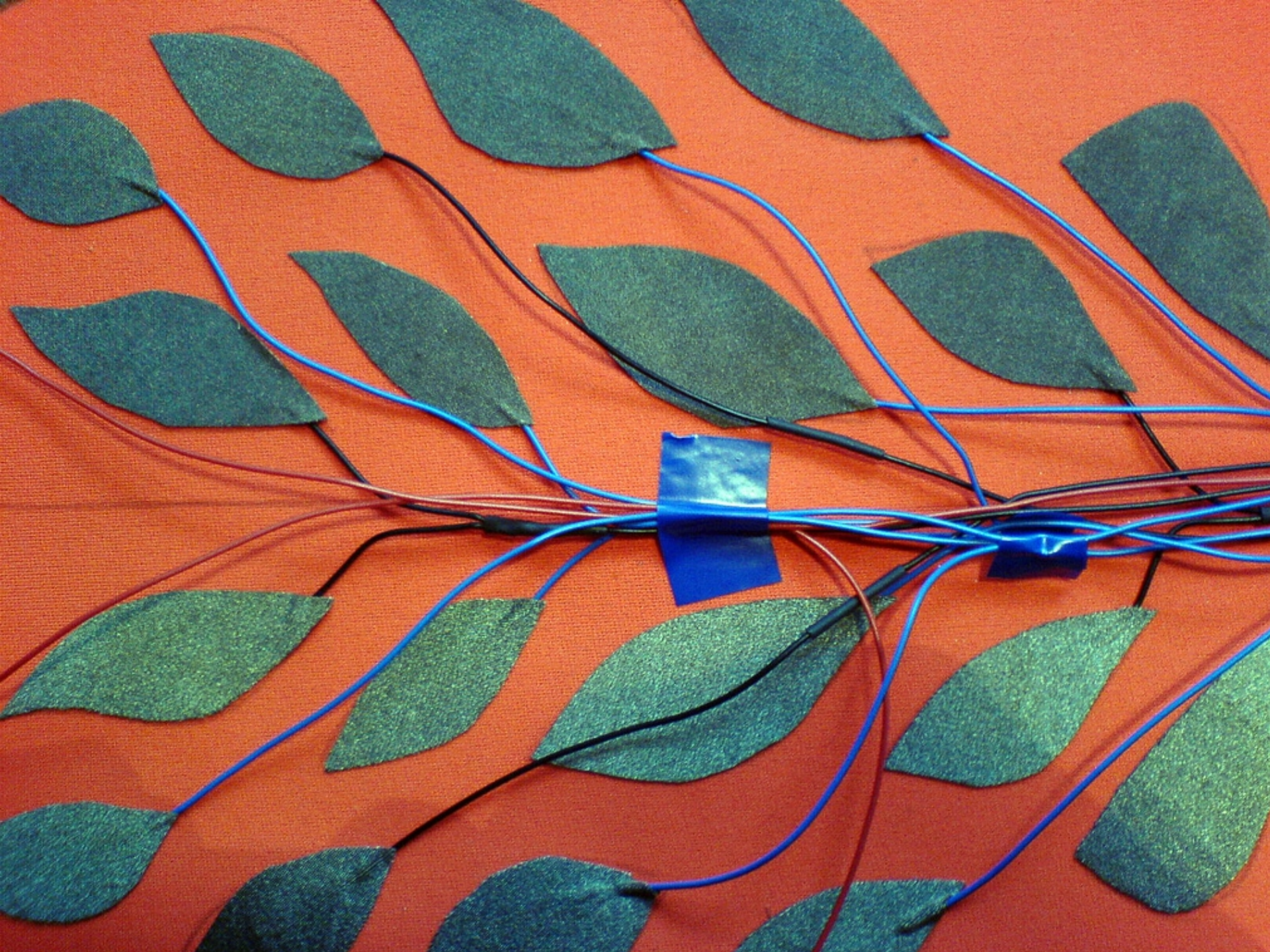
Mika Satomi &
Hannah Perner-Wilson

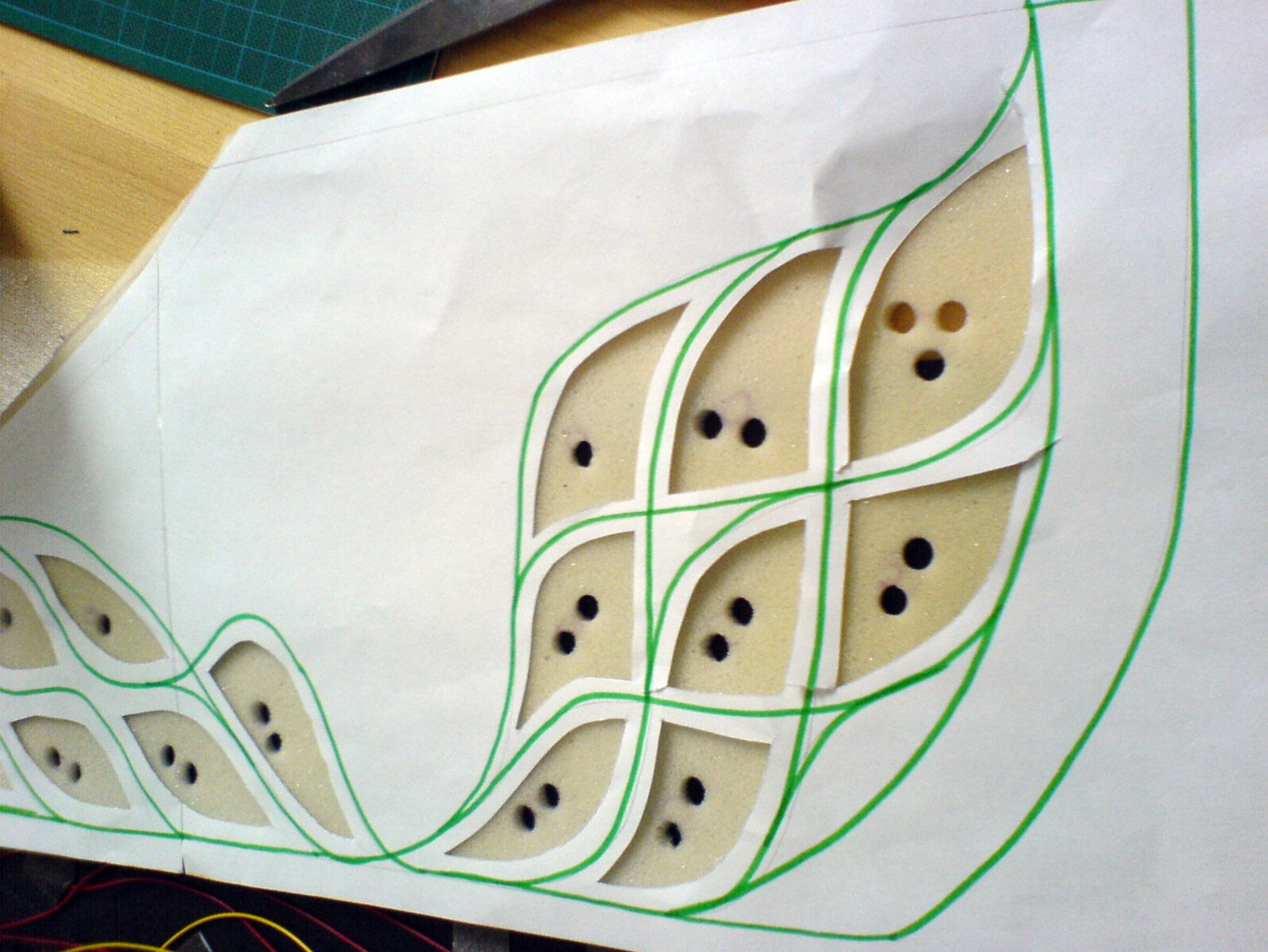
Collaboration under the name
“KOBAKANT” Since 2007





massage me
2007





Language Game

2008



Language Game

2008

Developed during the artist in residence at Lemur, Brooklyn

The dancer's movement triggers
Musical Instrument robots
(LemurBots)

She is instructed to dance to
the music she creates





Perfect Human

2008-

Linz, Austria, 2008, Ivana Kalc



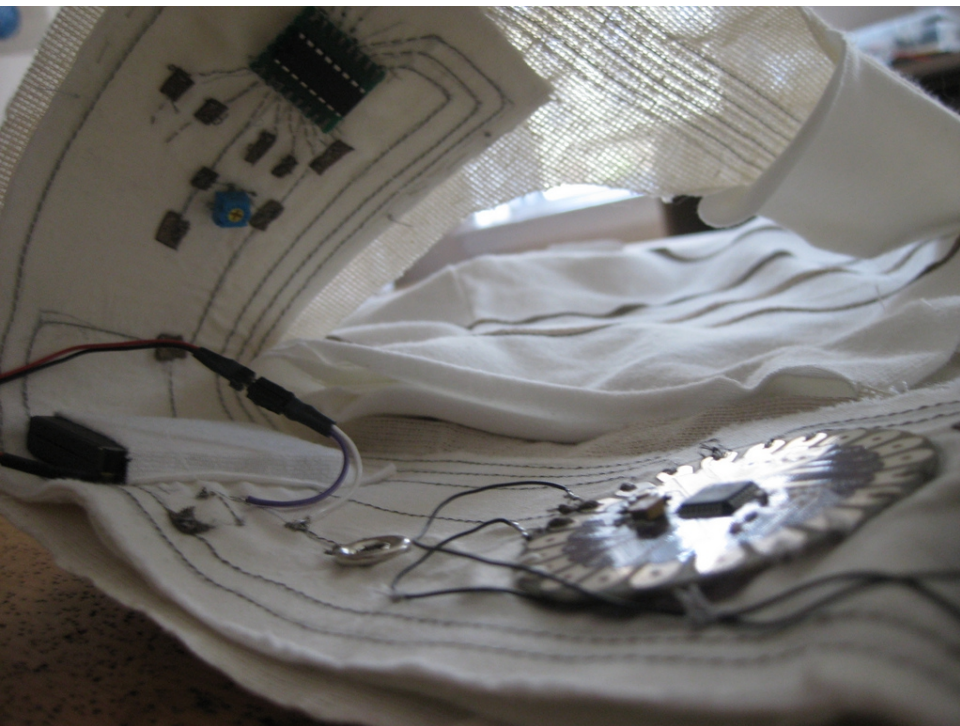
Rotterdam, Netherlands
2009
Rita Vilhena



Findhorn, Scotland
2009
Rosalind Masson



Sao Paulo, Brazil
2010
Ivy Mari Mikami





Eight Steps

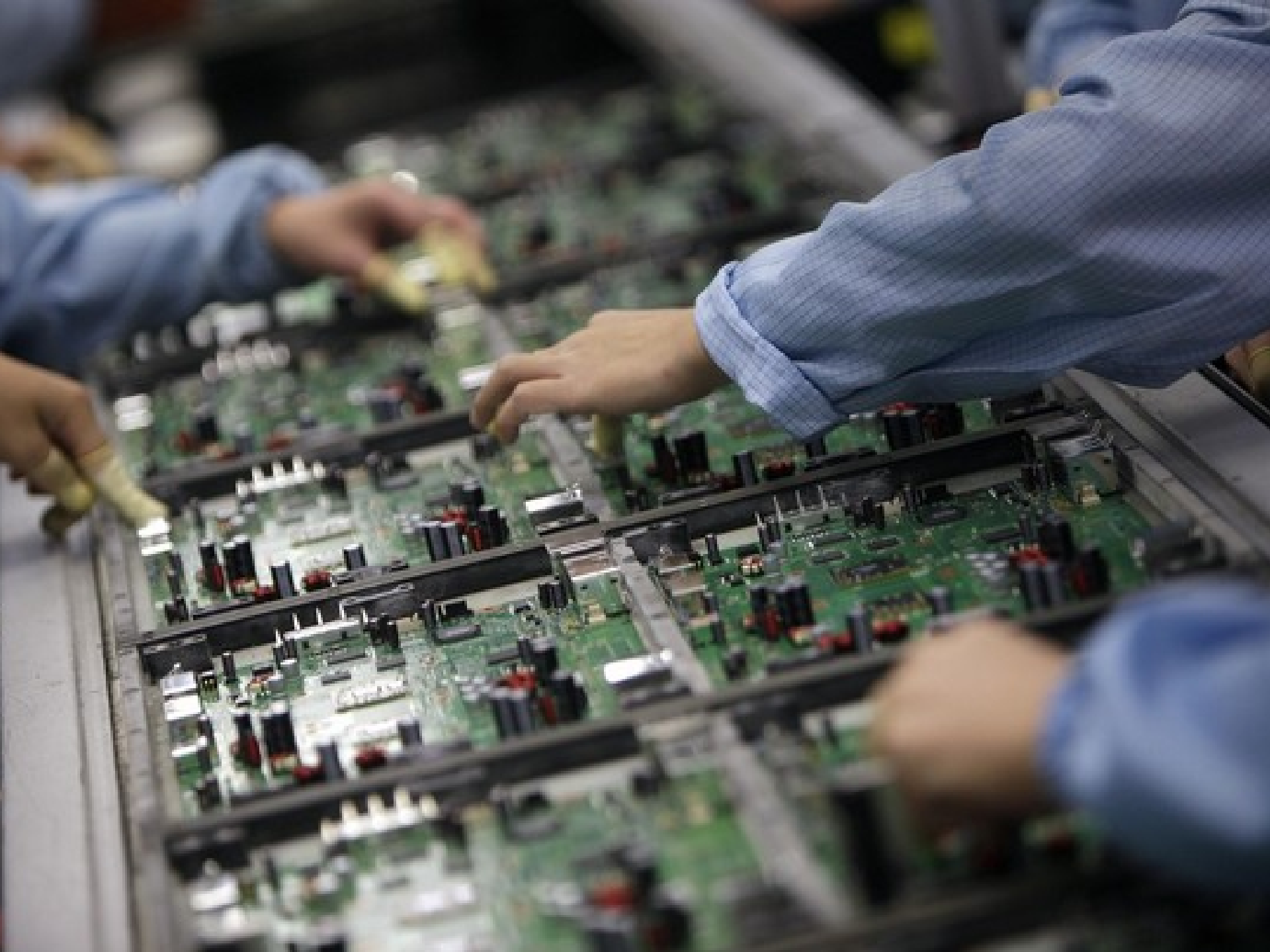
2010



Eight Steps
2010



The Crying Dress











HOW TO GET WHAT YOU WANT

EXAMPLE PROJECTS

WORKSHOPS

ACTUATORS

CIRCUITS

COMMUNICATION

CONNECTIONS

POWER

SENSORS

TRACES

CONDUCTIVE

MATERIALS

NON-CONDUCTIVE

MATERIALS

TOOLS

TECHNIQUES

CODE

SENSORS

CIRCULAR KNIT INFLATION SENSOR

CIRCULAR KNIT STRETCH SENSORS

CONDUCTIVE POMPOM

CONSTRUCTED STRETCH SENSORS

CROCHET BUTTON

CROCHET FINGER SENSOR

CROCHET PRESSURE SENSOR

CROCHET TILT POTENTIOMETER

CROCHET/KNIT PRESSURE

SENSORS

CROCHET/KNIT SQUEEZE SENSORS

EMBROIDERED POTENTIOMETERS

FABRIC BUTTON

FABRIC POTENTIOMETER

FABRIC STRETCH SENSORS

FELTED CROCHET PRESSURE

SENSOR

FELTED POMPOM PRESSURE

SENSOR

FINGER SENSOR

KNIT CONTACT SWITCH

KNIT STROKE SENSORS

KNIT TOUCHPAD

KNIT ACCELEROMETER

KNIT STRETCH SENSORS

NEOPRENE BEND SENSOR

Sensors

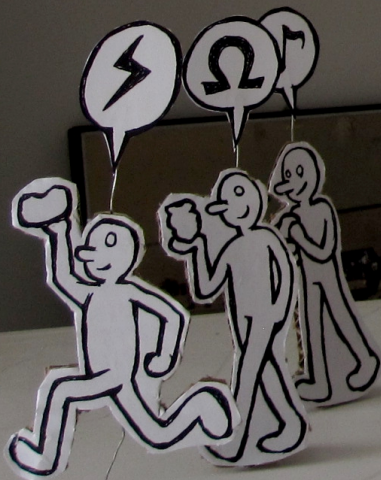
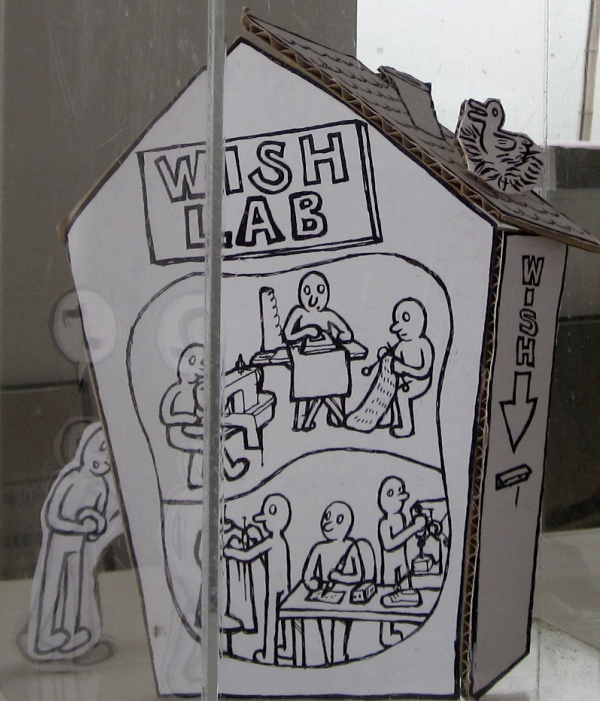
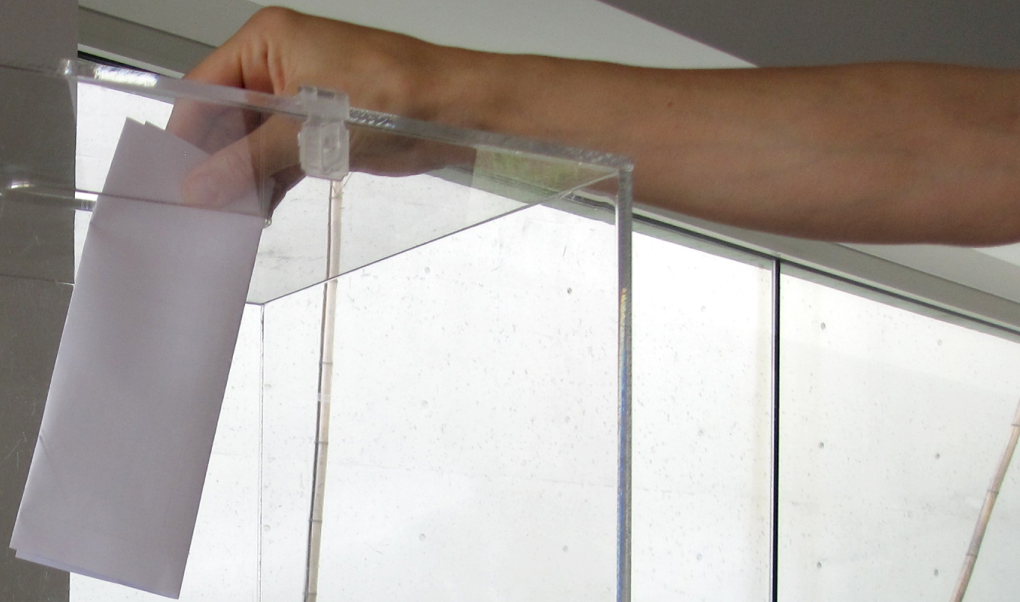
CROCHET/KNIT PRESSURE SENSORS

Because of the properties of the conductive yarn to be sensitive to pressure or stretch it can be knit or crochet into any shape and will react to to pressure with a decrease in resistance. By setting a threshold in software this sensor can also be used as a switch.

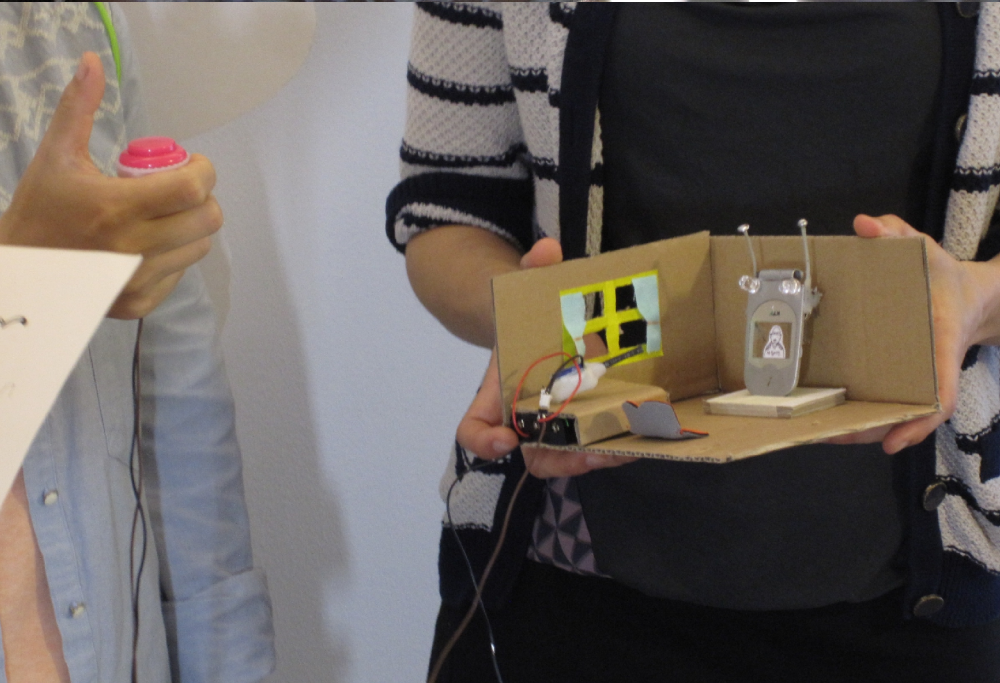


It is also possible that if you include a thick enough yarn in combination with a thinner resistive yarn, that you will achieve an "off" (no electrical contact) state. Below are a series of examples using both the Schoeller Nm 10/3 yarn, which on it's own is too conductive to give a good pressure to resistance range. The Nm 50/2 is thin and can be nicely used together with other yarns and gives a very good range.

- Nm 10/3 80% Polyurethane, 20% Inox steel fibre @ Euros 36.00/kg (3,333 metres/kg)
- Nm 50/2 60% Polyurethane, 40% Inox steel fibre @ Euros 65.00/kg (25,000 metres/kg)
- Nm 50/2 80% Polyurethane, 20% Inox steel fibre @ Euros 40.25/kg (25,000 metres/kg)







WISH LAB Schedule

Saturday 8th 13-17:00 Presentation + workshop

Sunday 9th 10-18:00 Skill Share workshop

Wednesday 12th 19-21:00 Presentation at GaOk

Friday 14th 10-18:00 WISH LAB

Saturday 15th 10-18:00 WISH LAB

Sunday 16th 10-18:00 WISH LAB



Thanks to

APAP

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Bongu Bark

Jiwon Lee

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Achim Koh

GaOk

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