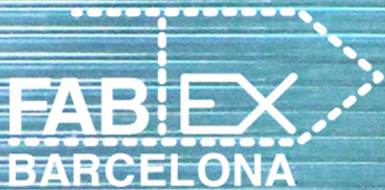




A NEW TEXTILE & TECHNOLOGY ACADEMY

FABRICADEMY



Academany
The Academy of (almost) Anything

STATE of THE ART

a new textile academy



- o the textile industry
- o Fabtextiles & TextileLab Amsterdam
- o the course
- o alternatives for a more sustainable & fair industry

DIGITAL BODIES



- o the human figure
- o 3d scanning bodies
- o digital to physical
- o digital fabrication techniques

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textile and technology academy

CIRCULAR FASHION

modular design



- o hacking the fashion system
- o circular economy
- o laser cutting
- o modular patterns

BIOFABRICATING materials and dyes



- o natural dyeing
- o bacterial dyeing
- o bioplastics & silicones
- o alternative leathers



wey society

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E TEXTILES & WEARABLES



- o conductive materials

- o components

- o soft sensors

COMPUTATIONAL COUTURE



- o digital bodies
- o 3d modelling
- o parametric design
- o 3d printing

TEXTILE SCAFFOLD



- o mold making
- o textile composites
- o polymerisation
- o crystallization

OPEN SOURCE HARDWARE

democratizing technology



- o from fibers to fabric
- o knitting & weaving
- o hacking machines
- o open source machines

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E TEXTILES & WEARABLES

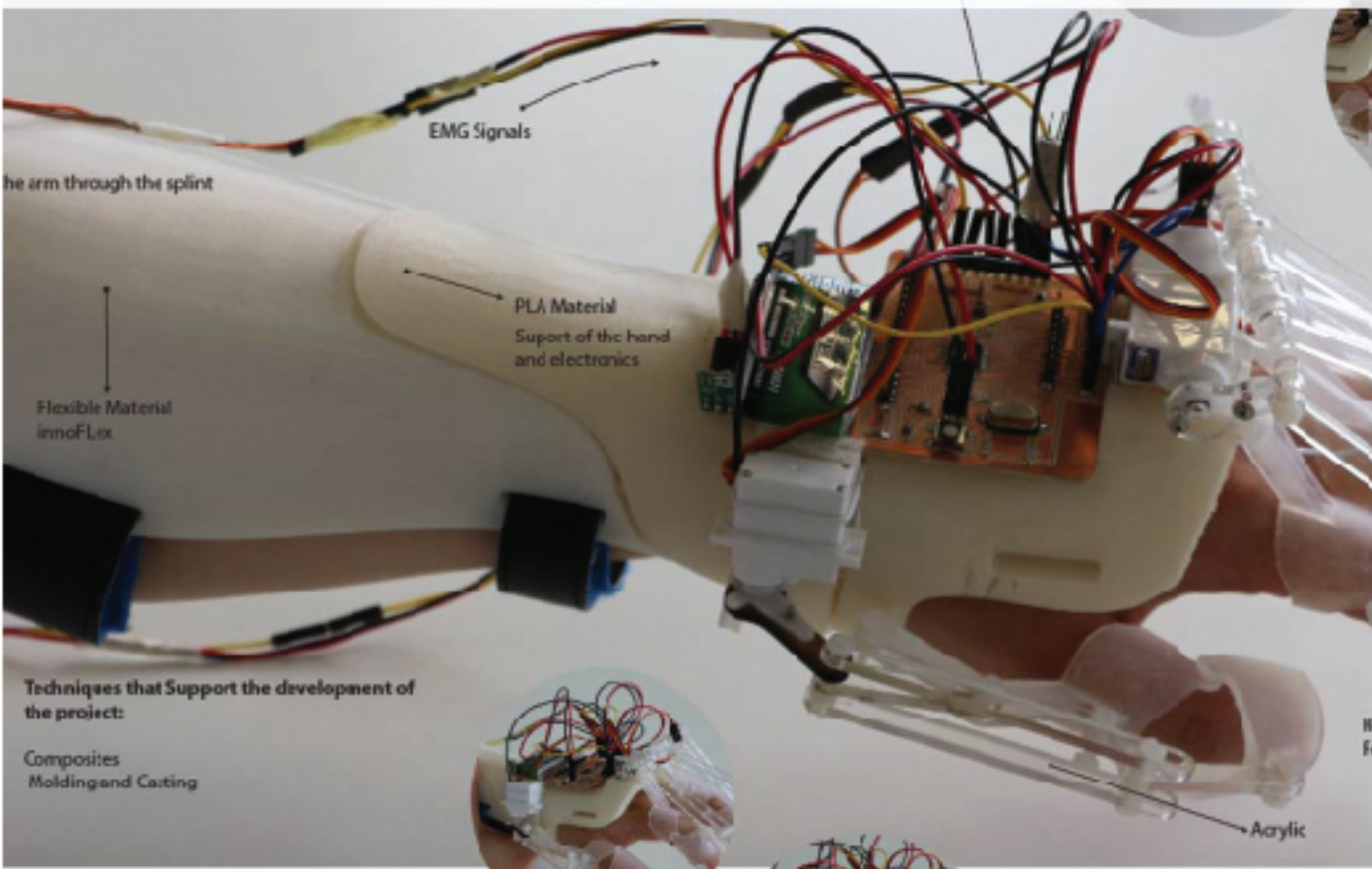


o soft sensors II

o actuators

o applications

APPLICATIONS & IMPLICATIONS



Index
Close and open function



Moviliation of the
Middle
Index
Through the structure
and servos motors

o wearable applications

o health & care

o wearables & fashion

o augmented humans

Techniques that Support the development of the project:

Composites
Molding and Casting



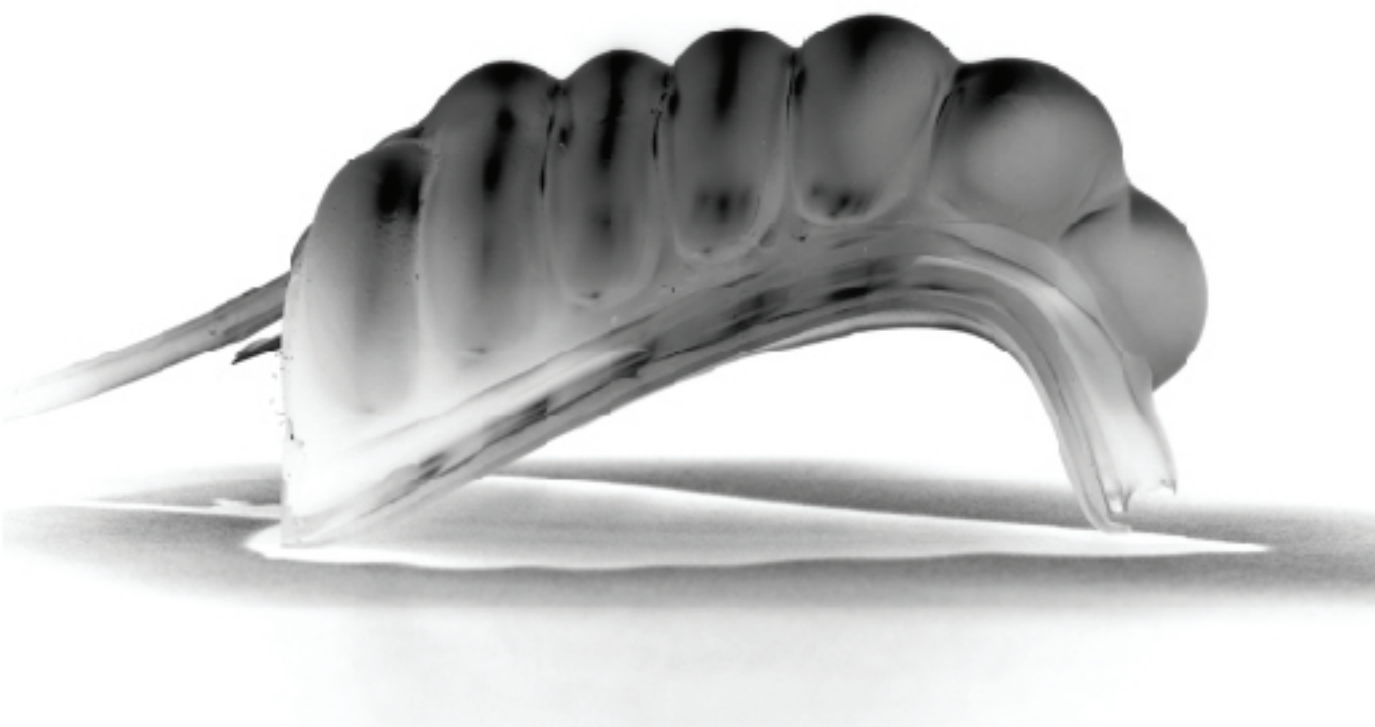
Thumb
Close and open function



My Orthotic
Adriana Cabrera

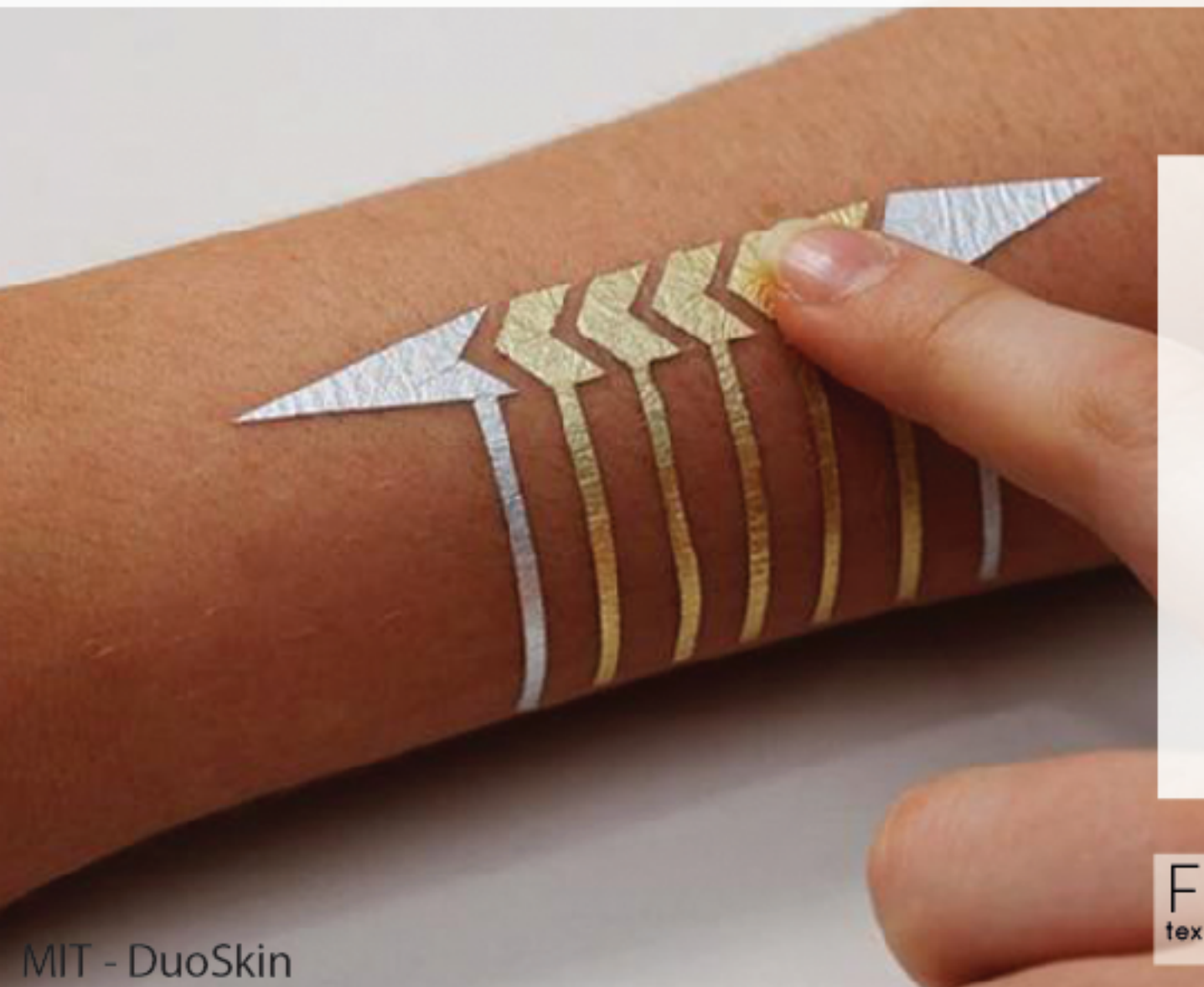
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SOFT ROBOTICS



- o inflatables
- o molding and casting
- o actuators
- o sensors

SKIN ELECTRONICS



o physical to digital

o skin circuit prototype

o material & research