



Konferenca NAK – za učitelje naravoslovnih predmetov

Od raziskovalne umetnosti do raziskovalnega učenja

Jurij Krpan, Zavod Kersnikova/Galerija Kapelica

4. konferenca učiteljev naravoslovnih predmetov – NAK 2017



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA IZOBRAŽEVANJE,
ZNANOST IN ŠPORT



EVROPSKA UNIJA
EVROPSKI SKLAD
NALOŽBA V VAŠO PRIHODNOST

Naložbo sofinancirata Republika Slovenija in Evropska unija iz Evropskega socialnega sklada

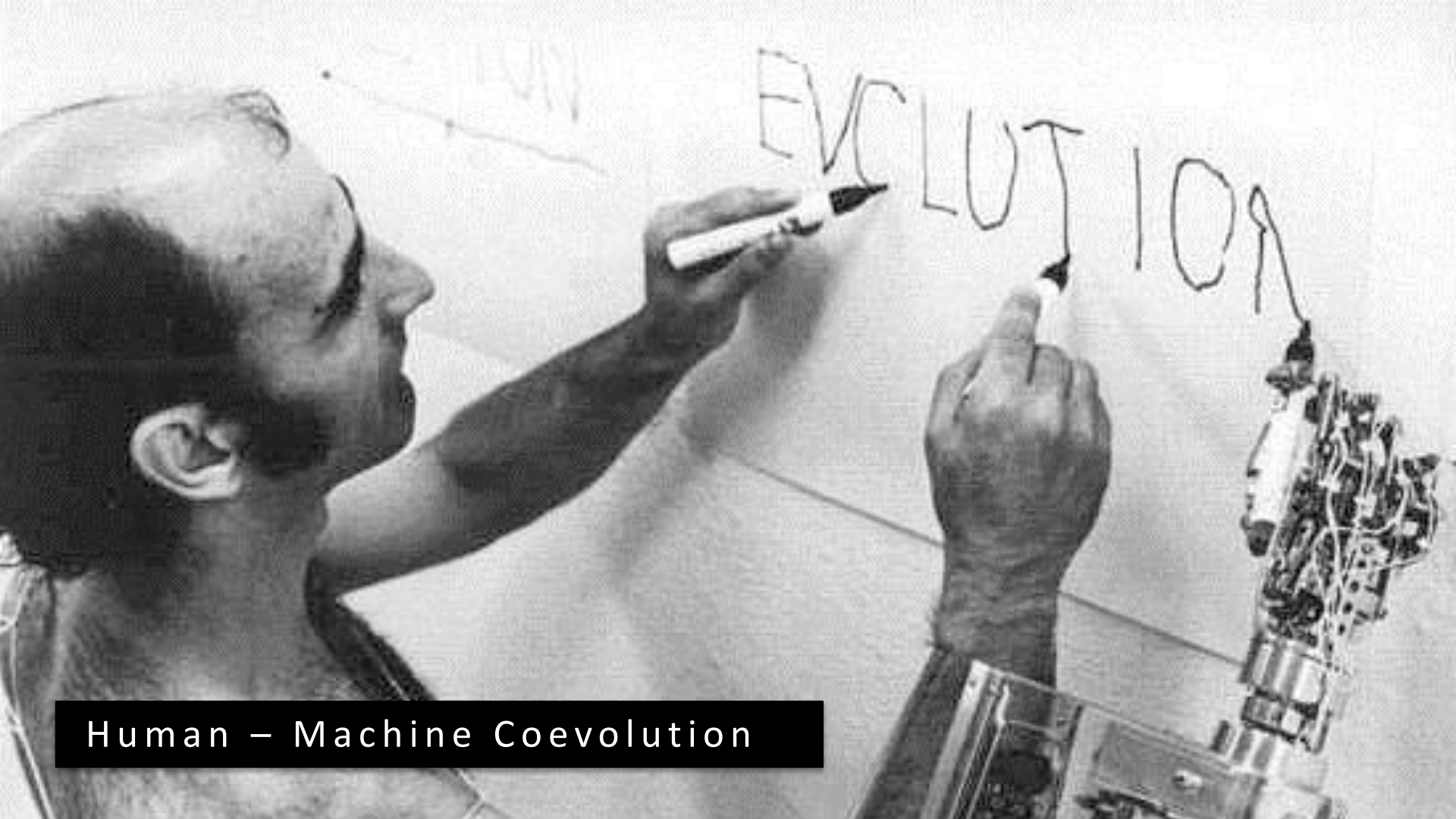
OD RAZISKOVALNE UMETNOSTI DO RAZISKOVALNEGA UČENJA

Jurij Krpan - Umetniški vodja Zavoda Kersnikova
in kurator Galerije Kapelica, Ljubljana

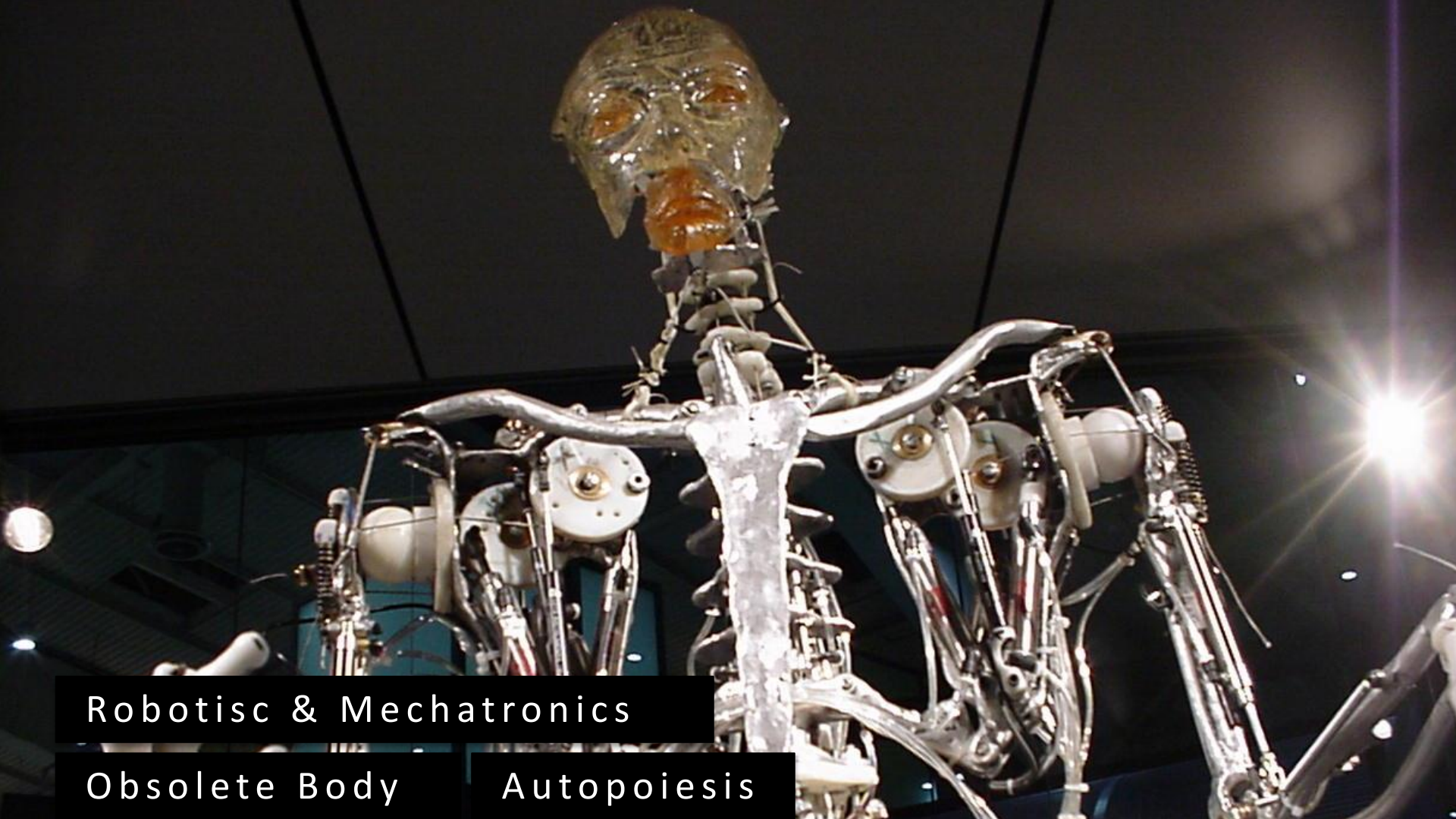
4. Naravoslovna konferenca učiteljev naravoslovnih
predmetov NAK 2017 Kongresni center Laško, 26.10.2017

Thomas Kvam & Frode Oldereid: Machines





Human – Machine Coevolution



Robotisc & Mechatronics

Obsolete Body

Autopoiesis



Robots, Cyborgs, Androids, Avatars

Artificial Intelligence

Artificial Life



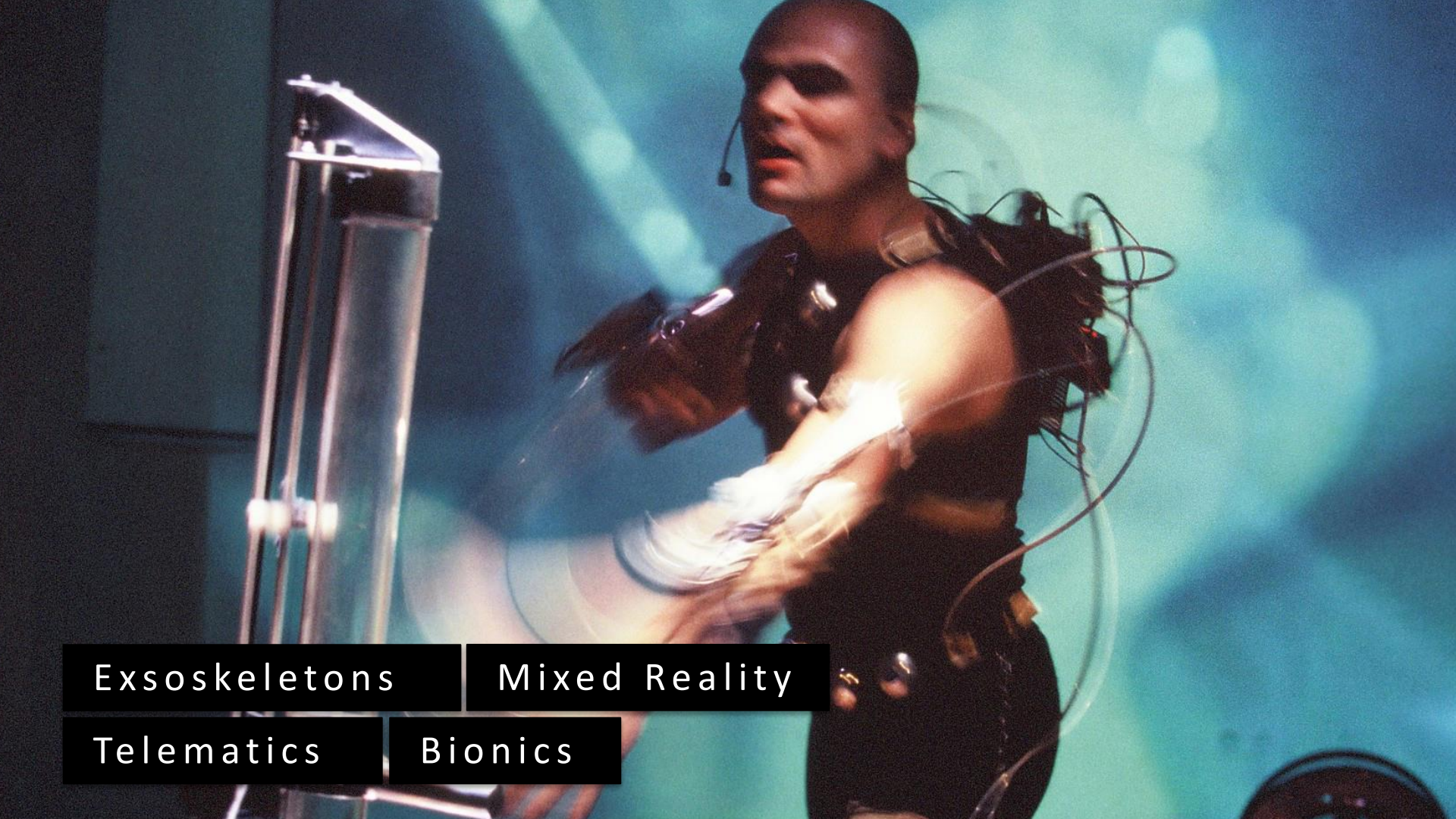
Interactivity

Remote Host

Cross Reality

Augmented Reality

Human Machine Cohabitation

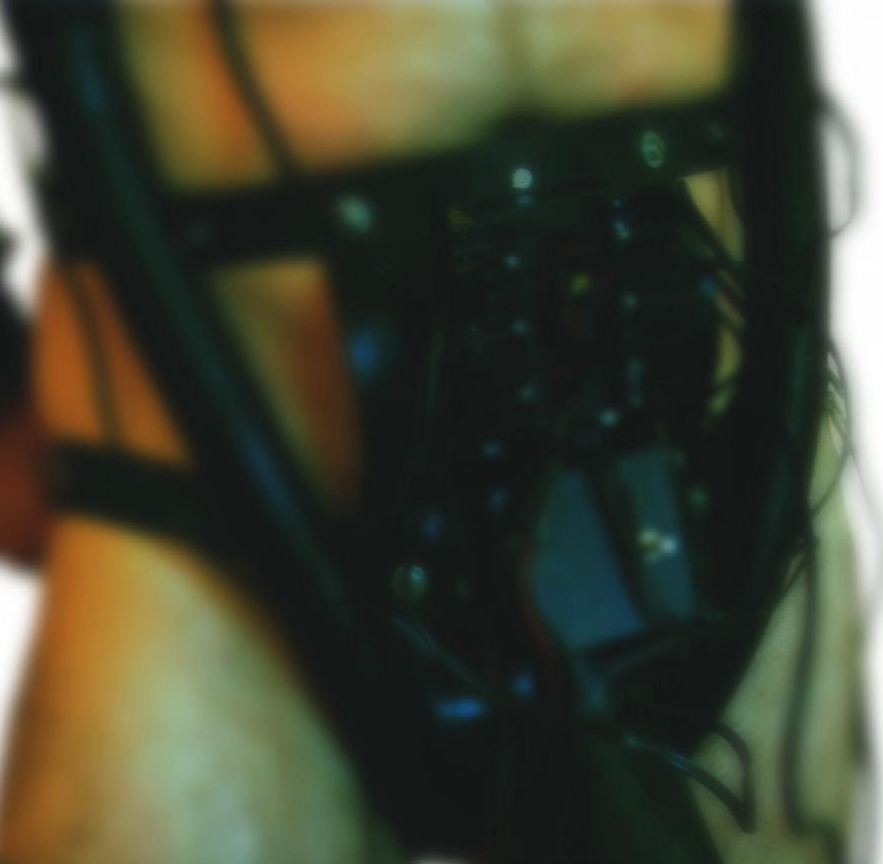


Exoskeletons

Mixed Reality

Telematics

Bionics



Data Body

Digital Identity

Tele-presence

Gender Deconstruction

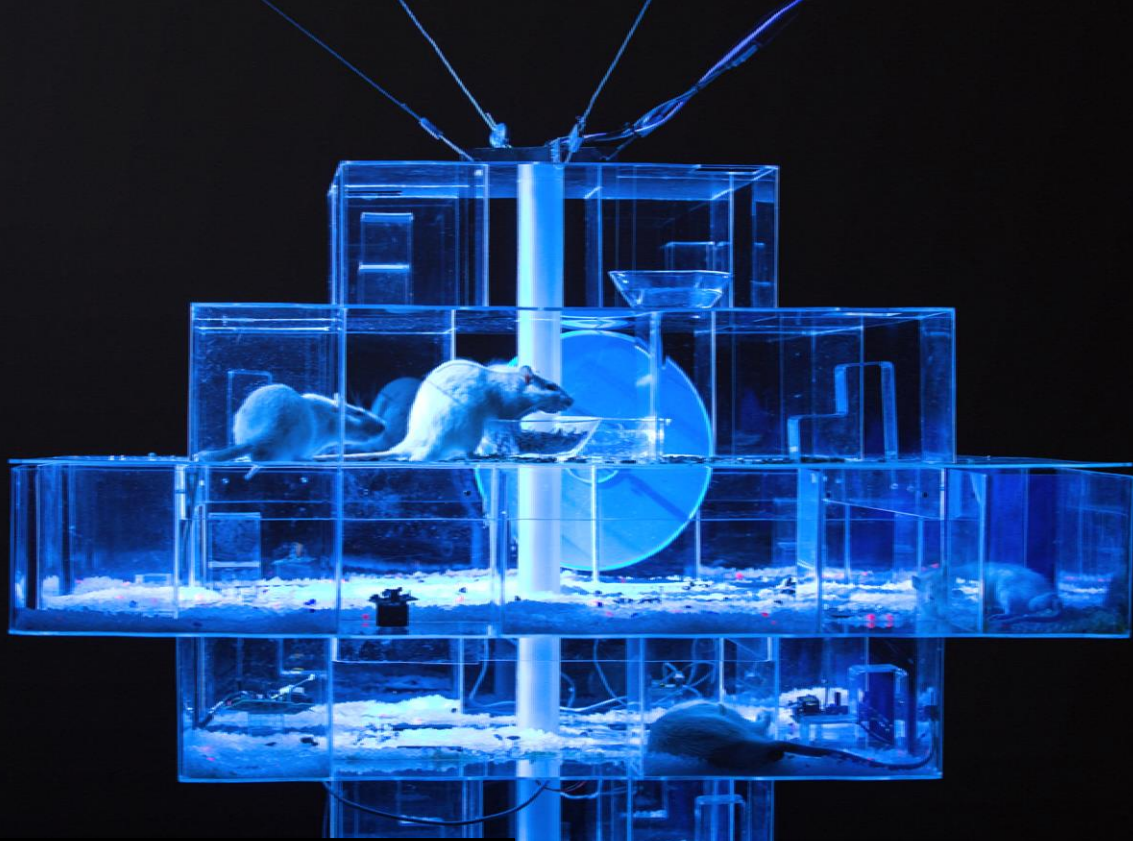


Geo-location

Psycho-Plasticity

Augmented Reality

Wearable Computing

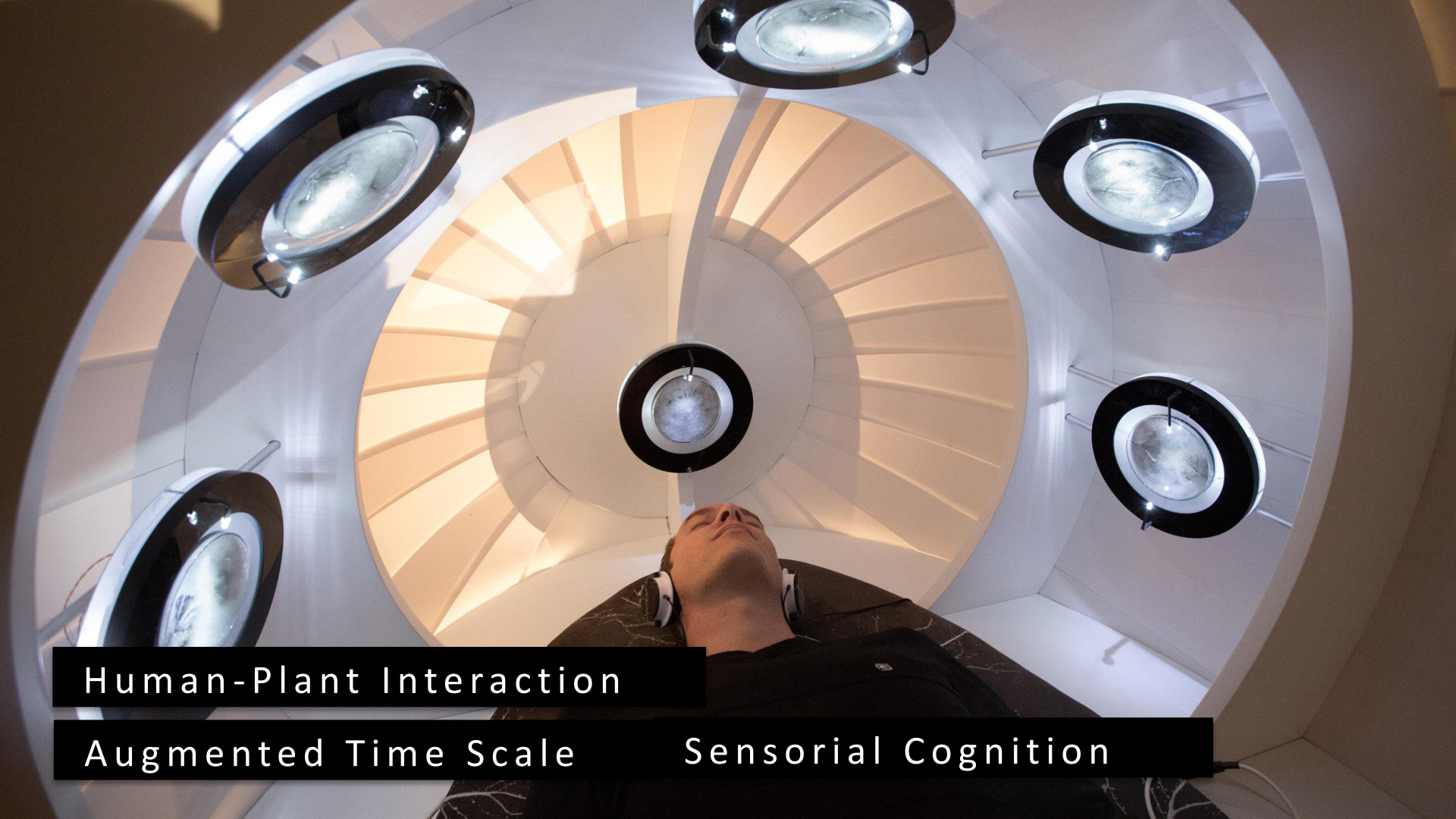


Human-Animal Interaction

Post Natural

Inter Species Communications

Bio Indicators



Human-Plant Interaction

Augmented Time Scale

Sensorial Cognition



Bio Technologies

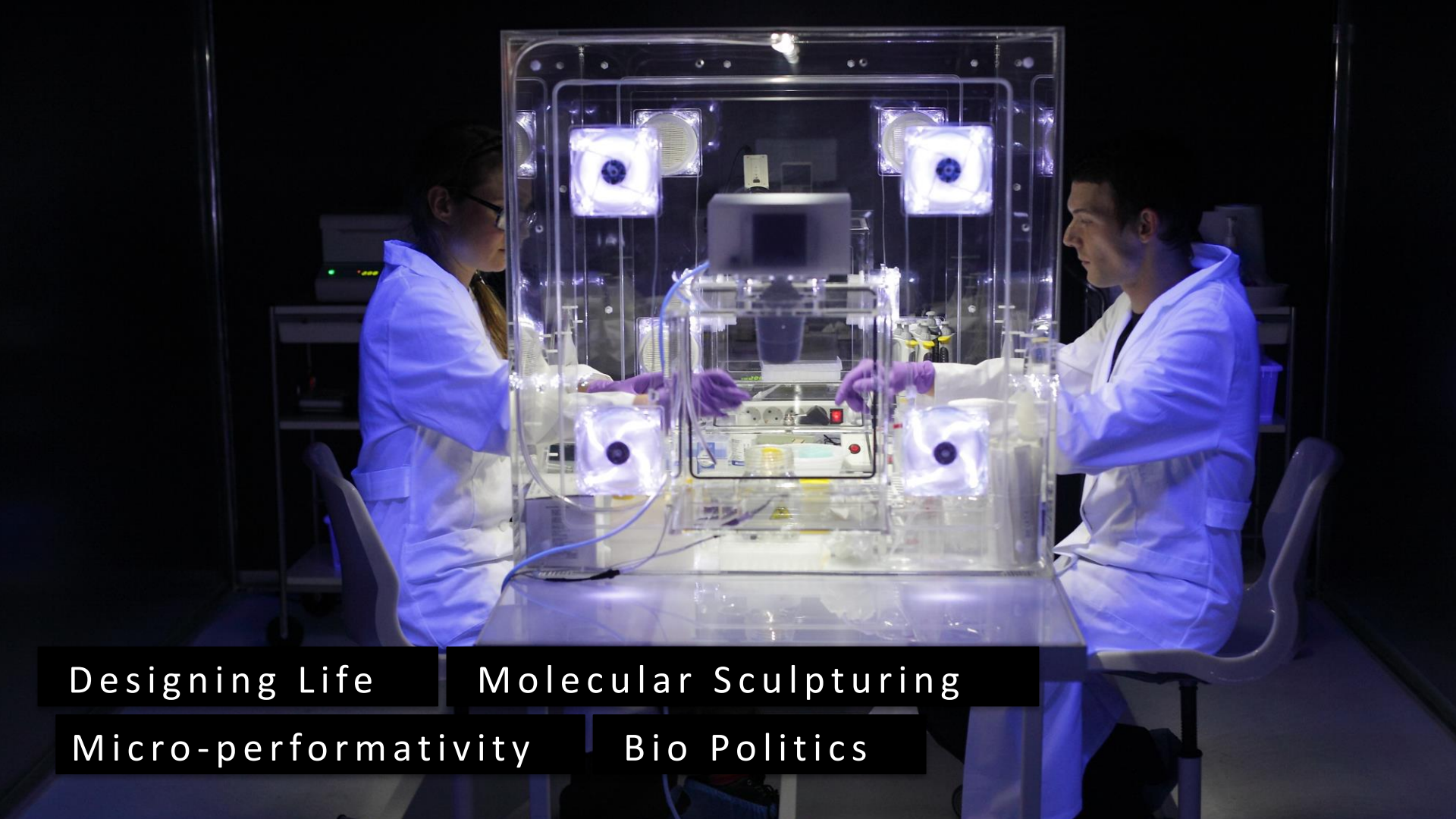
Tissue Engineering

Regenerative Medicine



“Bio Art”

Artistic investigation of Life Systems



Designing Life

Molecular Sculpturing

Micro-performativity

Bio Politics



Cross Species

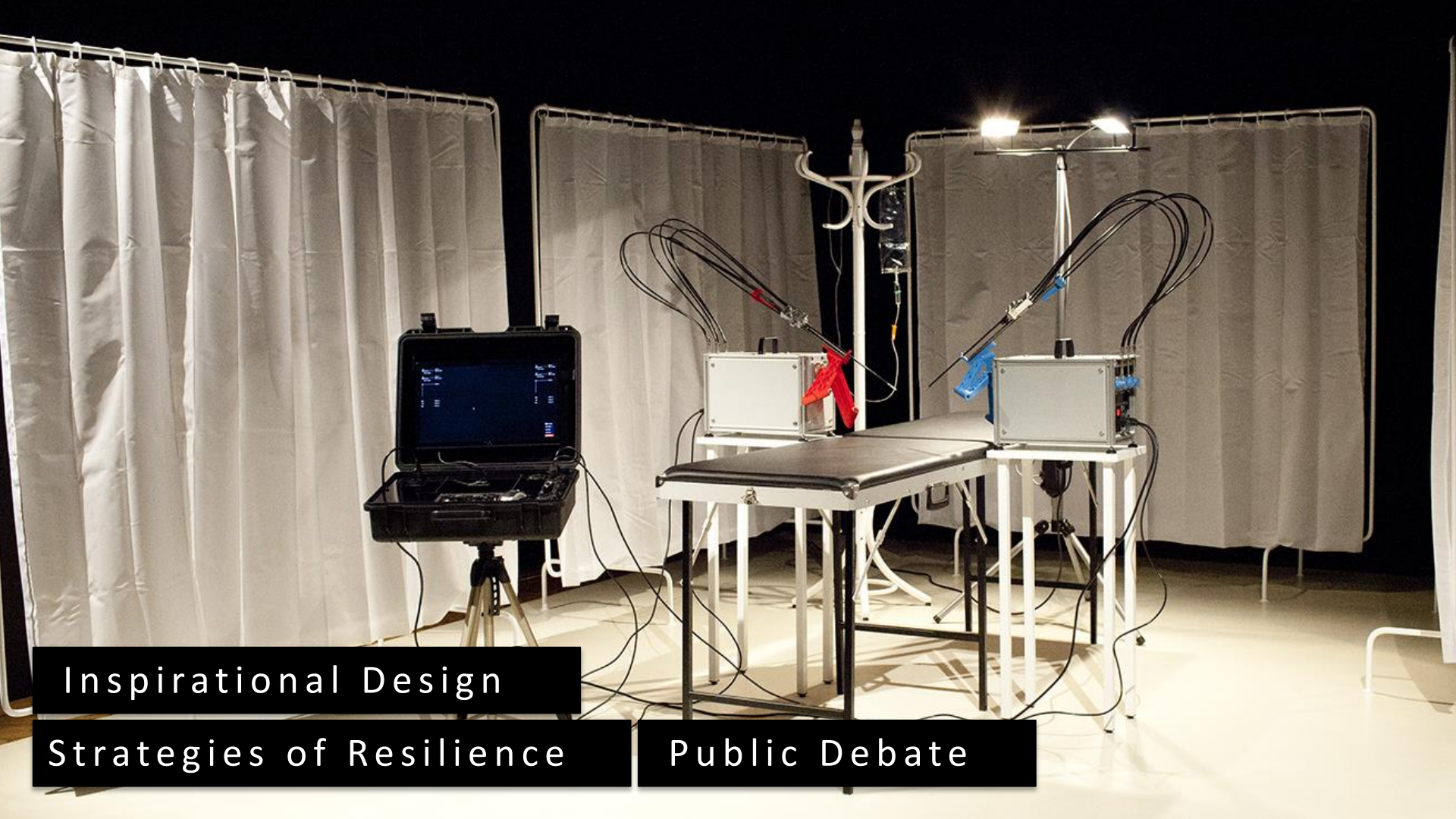
Hybridization

Post Humanism



Speculative Design

Possible Future Scenarios



Inspirational Design

Strategies of Resilience

Public Debate

Design Thinking

Creative solutions

User empathy

Innovation assets

Understand the
possibilities

Utilize the
possibilities

Art Thinking

Design Thinking

Creative questions

Visions

Creative solutions

User empathy

Innovation assets

Discovering
new fields

See new
possibilities

Understand the
possibilities

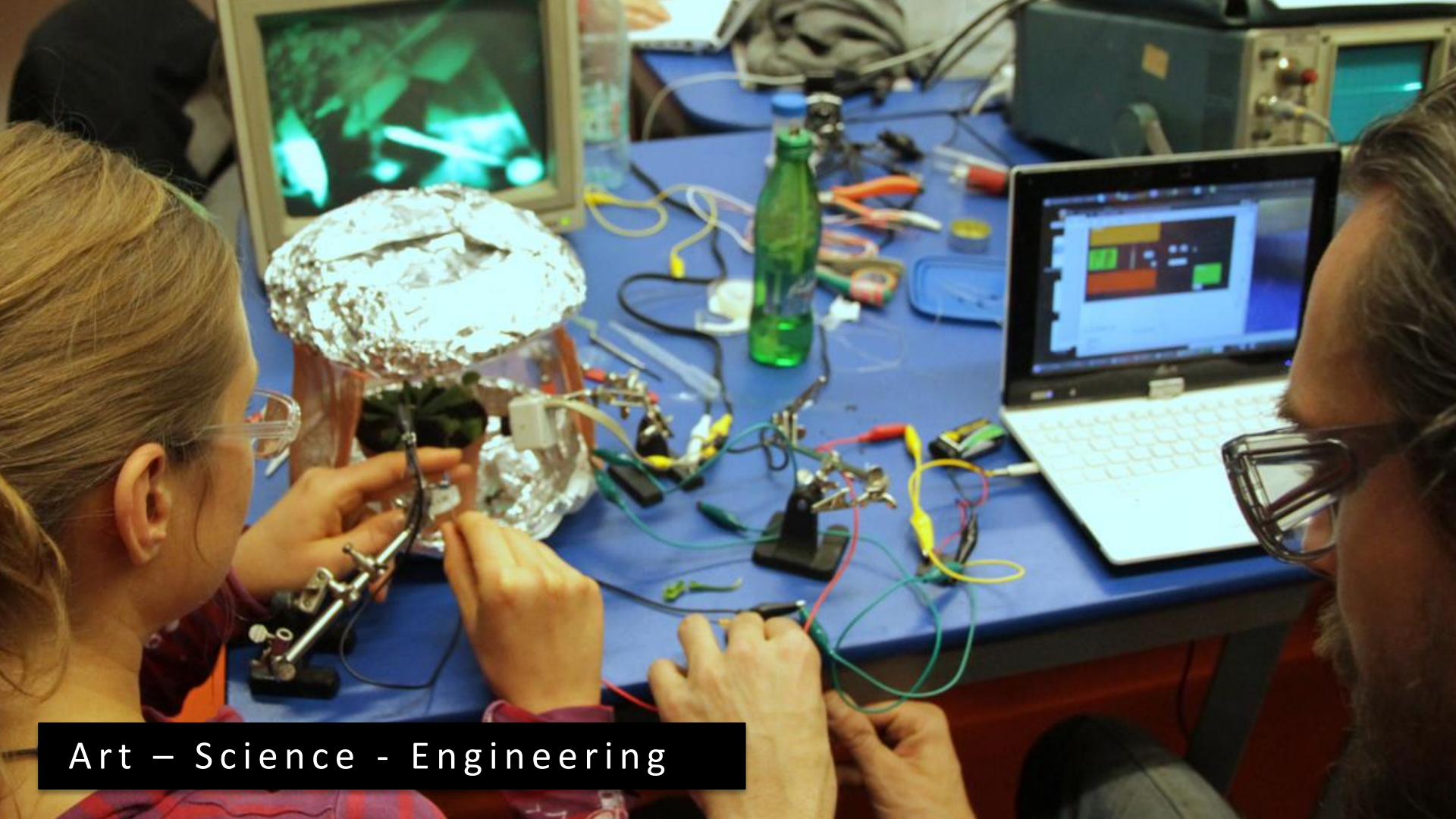
Utilize the
possibilities



Workshops

Hackatons

Intuitive Engineering



Art – Science - Engineering



Investigative learning

Workshops

BioTehna



Community Building

Sharing

Empowering



Do It Yourself

Do It Together

Learning by Doing

Learning by Playing

Fail Better



Peer-to-peer

Responsibility

Learning as a currency

Block Chain



Knowledge ownership

Knowledge account

Int. community

Swarm intelligence to hive mind

Hvala za pozornost!



jurij.krpan@kapelica.org