



The European House
Ambrosetti

Liguria 2022

Genova, Palazzo Ducale

Martedì, 14 luglio 2020



REGIONE LIGURIA

PRESENTAZIONE DI GIORGIO METTA



Fondazione
Compagnia
di San Paolo



VADO LIGURE • SAVONA • PRA' • GENOVA



Camera di Commercio
Genova

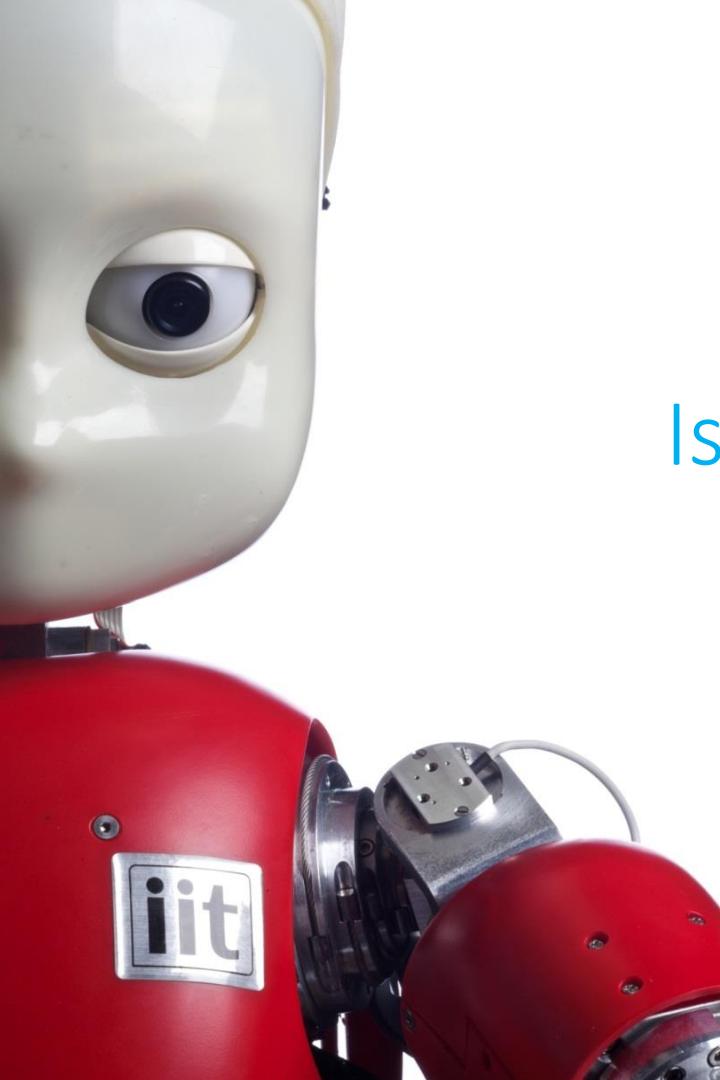


Camera di Commercio
Riviere di Liguria
Imperia La Spezia Savona



Power together

#LIGURIA2022

A close-up photograph of a white humanoid robot's head on the left side of the frame. It features a large, prominent eye and a smooth, white surface. To the right, a red robotic arm with a metallic gripper is visible, suggesting a manufacturing or assembly context.

Istituto Italiano di Tecnologia

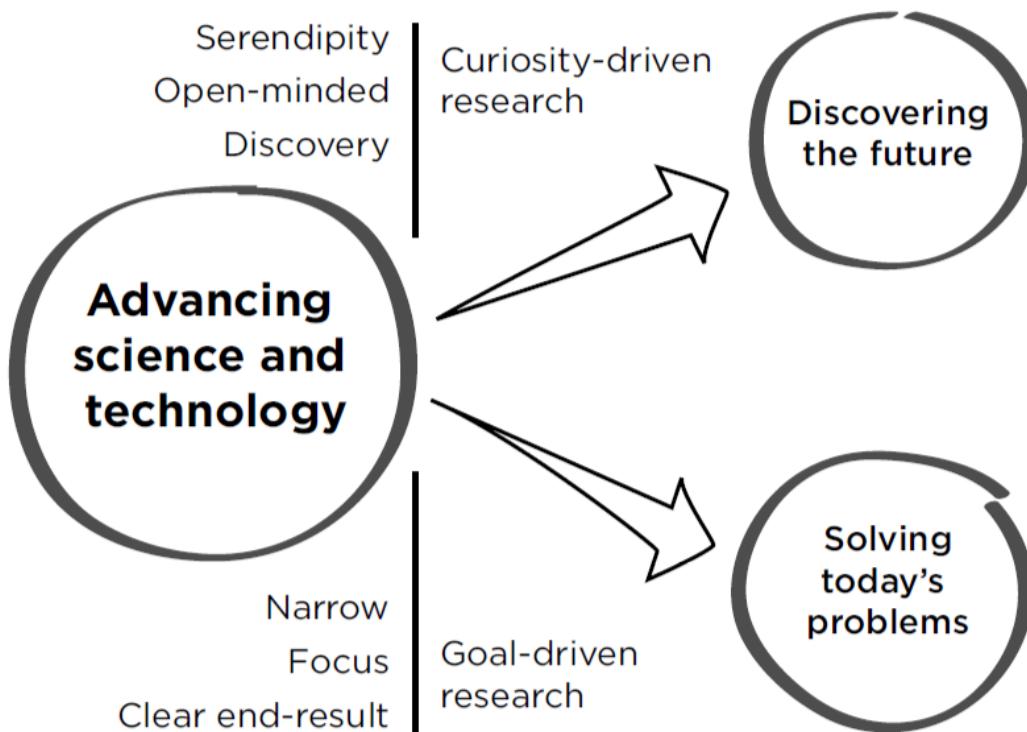
a true interdisciplinary synthesis



iit

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INTERNAZIONALE
DELLA
TECHNOLOGIA
TUTTI I DIRETTORI
SARANNO
CONVINTI
CHE
QUESTO
È IL
MIGLIOR
CAMPUS
PER
LE
TUE
ASPIRAZIONI.

the Istituto Italiano di Tecnologia
promotes excellence in fundamental and applied research,
develops higher education in the area of science and
technology and fosters the evolution of industry towards the
forefront areas of technological innovation





ISTITUTO ITALIANO
DI TECNOLOGIA

Center for Neuroscience e Cognitive Science,
Università di Trento, TRENTO

- Machine Learning, MIT, BOSTON (USA)
- Neurobiology Dept., Harvard Univ., BOSTON (USA)



ISTITUTO ITALIANO
DI TECNOLOGIA

Center for Genomic Science,
Campus IFOM-IEO, MILANO



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DI TECNOLOGIA

Center for Nano Science and Technology,
Politecnico di Milano, MILANO



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Center for Sustainable Future Technologies,
Politecnico di Torino, TORINO



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Center for Translational Neurophysiology,
Università di Ferrara, FERRARA



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Center for Microbiorobotics,
Scuola Superiore Sant'Anna, PISA



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Center for Nanotechnology Innovation,
Scuola Normale Superiore, PISA



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Center for Life Nanoscience,
Università degli Studi di Roma La Sapienza, ROMA



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Center for Advanced Biomaterials for Health Care,
Università Federico II di Napoli, NAPOLI



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Center for Biomolecular Nanotechnologies,
Università del Salento, LECCE



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DI TECNOLOGIA

Center for Cultural Heritage Technology,
Università Ca' Foscari, VENEZIA



IIT@Genoa: The Robot Valley



Center for Human
Technologies (CHT)



Center for
Robotics
and Intelligent
Systems (CRIS)

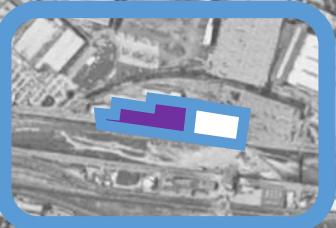


Center for
Convergent
Technologies
(CCT)



Center for Human
Technologies (CHT)

Center for Joint
Industrial Research
(CJIR)



Center for
Robotics
and Intelligent
Systems (CRIS)



Center for
Convergent
Technologies
(CCT)

the magic of IIT



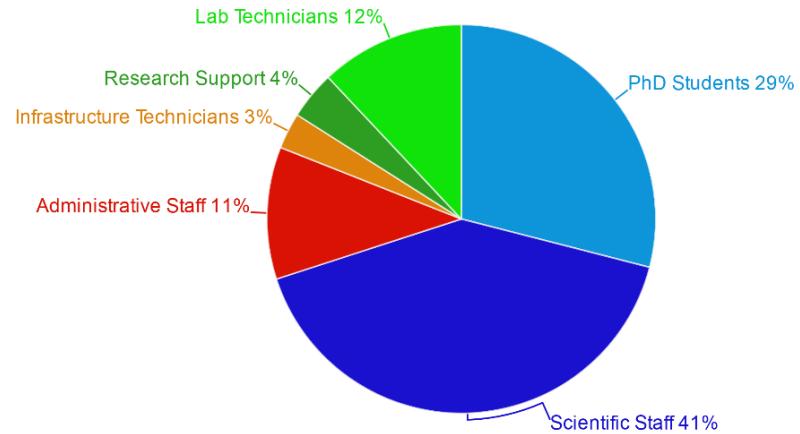
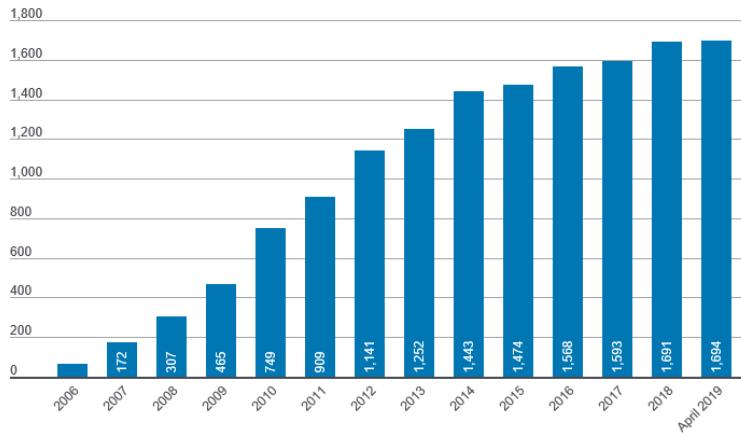
people, people, people

49% of personnel from 60 countries

16% returning Italians

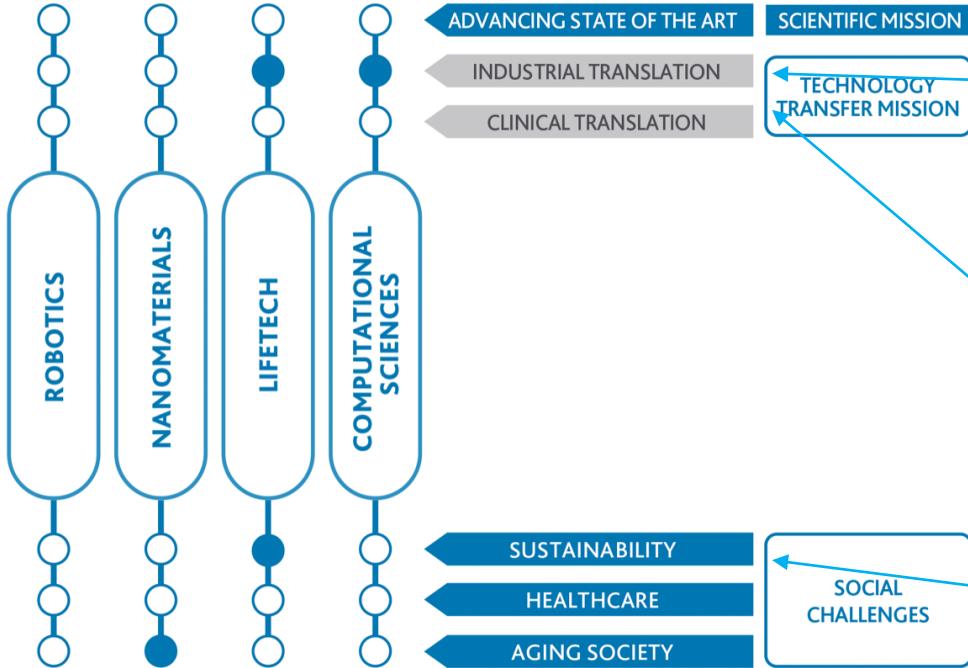
41% women

average age of ~35 years

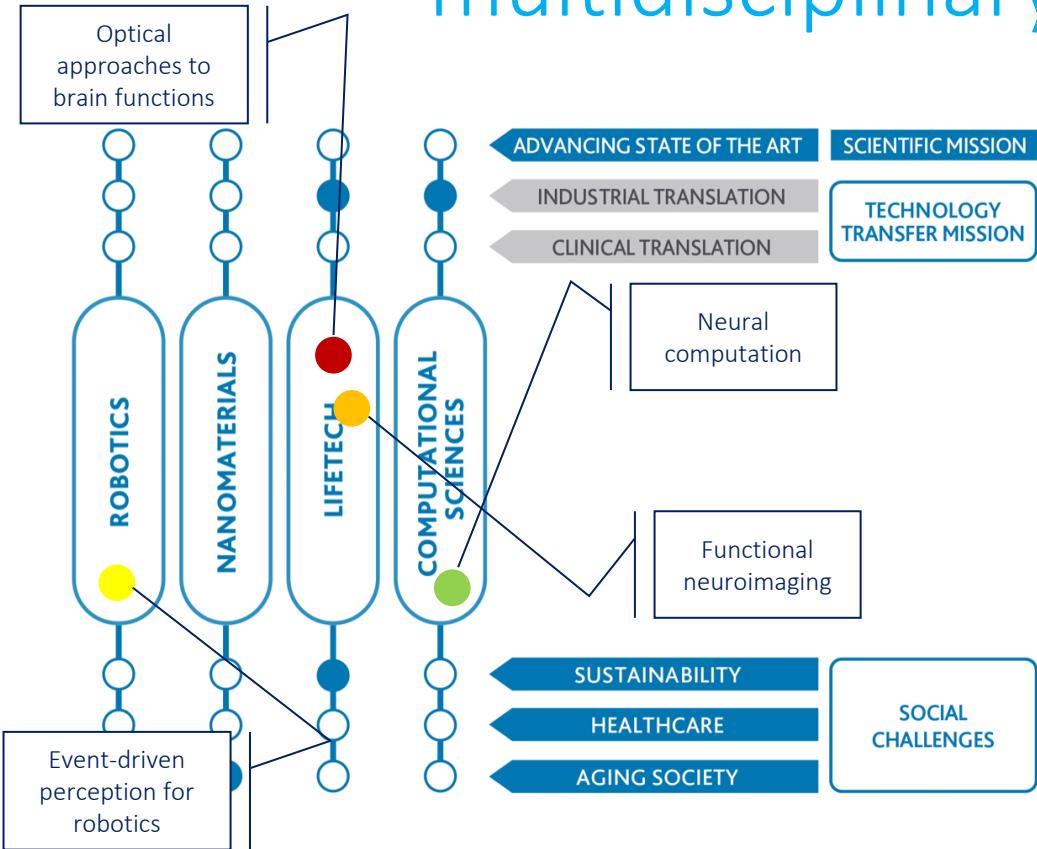


more than 1760 people

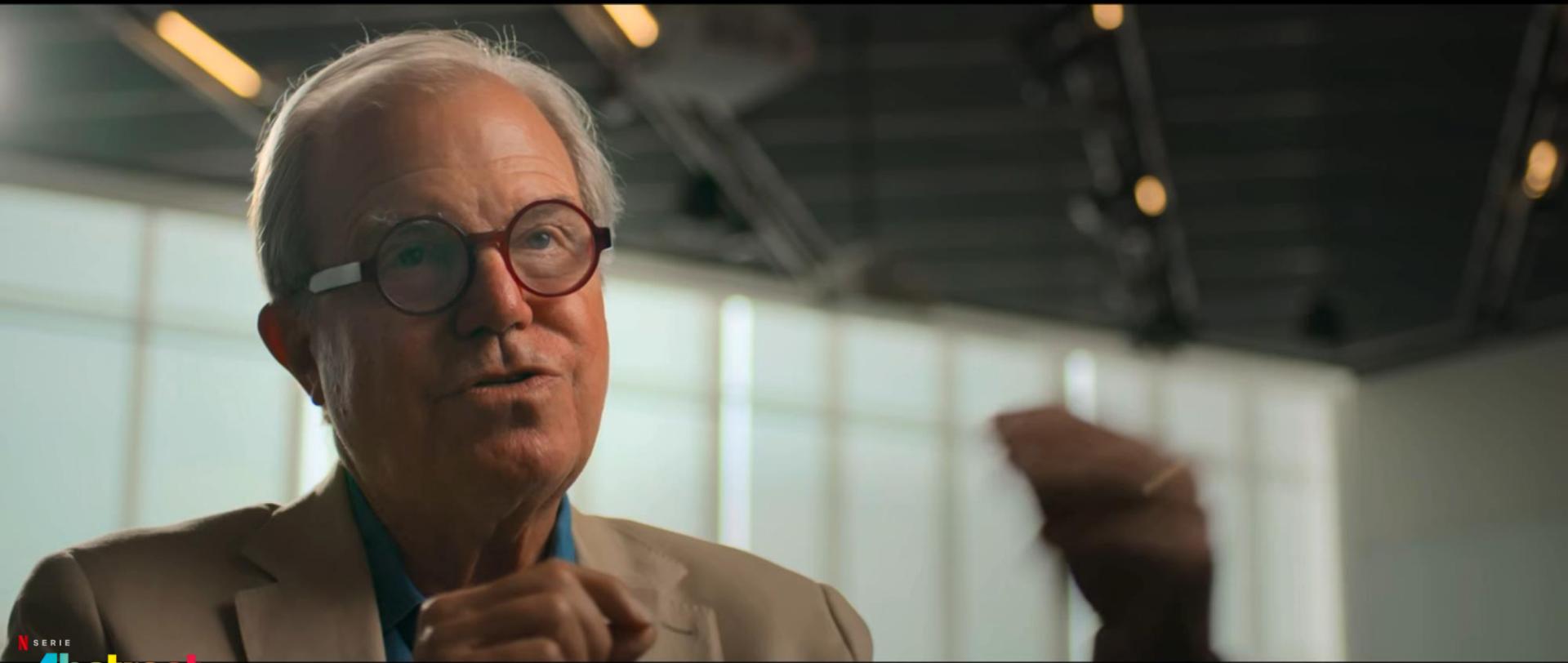
a strategic plan for big societal challenges



multidisciplinary research



NEW
initiatives



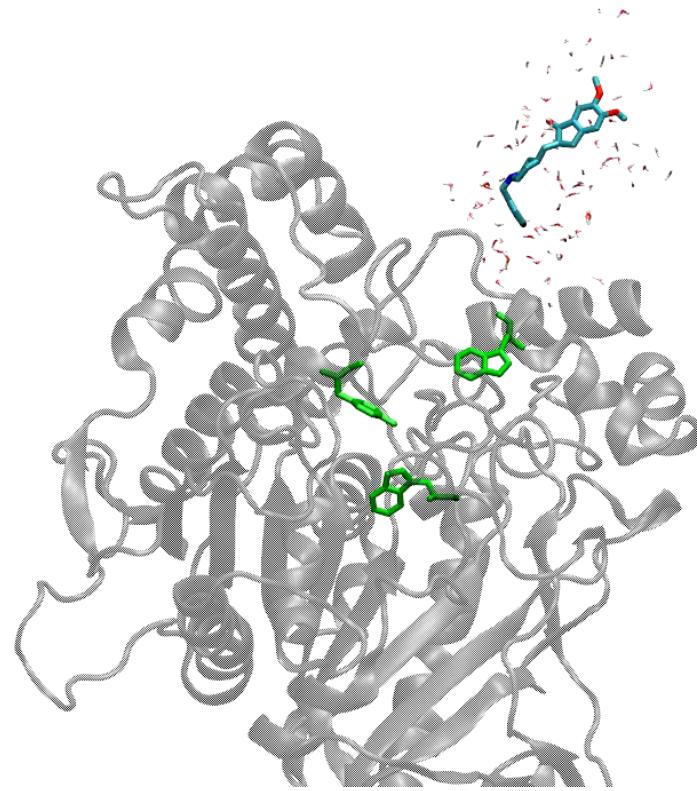
BANG!

Bits
Atoms
Neurons
Genes

digital tech for health

- ↓ IIT and Gaslini Children's Hospital
- ↓ 40 families analyzed
- ↓ 19,396 genes, 6Tb in 48 hours
- ↓ 150,000 variants per sample!
- ↓ 50-100 variants for manual analysis
- ↓ 1 candidate mutation found

0 ns



how food waste
becomes food
packaging



REHAB
TECHNOLOGY

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CO



joint laboratories



startups

ACOESIS

hiq-nano
THE ART OF PRODUCING
NANO PARTICLES

 **movendo**
technology
enabling people

 **Organic**
Bioelectronics

POLIPO

SMO
SMART MICRO OPTICS

 **ADVANCED
MICROTURBINES**

 **BEDIMENSIONAL**

 **PIEZOSKIN**

 **qb**robotics

 **optogenix**

 **BIKI**
TECHNOLOGIES
DESIGNING BETTER MEDICINES

POLITRONICA
for Digital Printing & Manufacturing 

 **FLEEP**
TECHNOLOGIES

 **ribes.tech**

 **KYME**

 **morecognition**
enabling human muscles

 **CIRCLE**
GARAGE

 **Genoa**
Instruments

- 23 startups incorporated
- +4 in 2019
- 170+ new jobs

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