

# ISTITUTO ITALIANO DI TECNOLOGIA

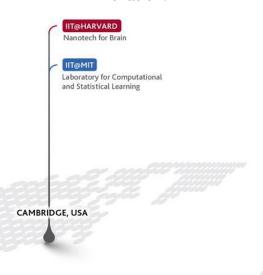
Technology transfer and Smart City

Technology Transfer@ Istituto Italiano di Tecnologia

## Istituto Italiano di Tecnologia

#### ISTITUTO ITALIANO DI TECNOLOGIA

is a Foundation that 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.







Genova Central Research Lab 32.000 sqm, fully equipped, one of the largest single-site labs in Europe

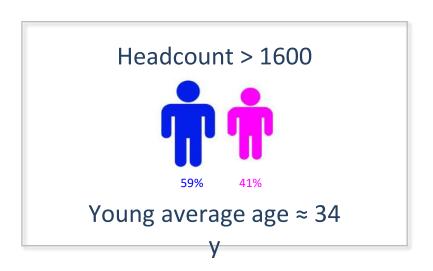


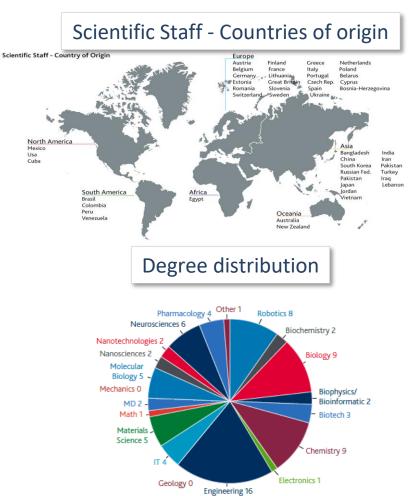
### People

IIT **people composition reflect the cross** multidiscipline and the cross culture **mindset** of IIT organization:

Cross-sector **21+** different disciplines

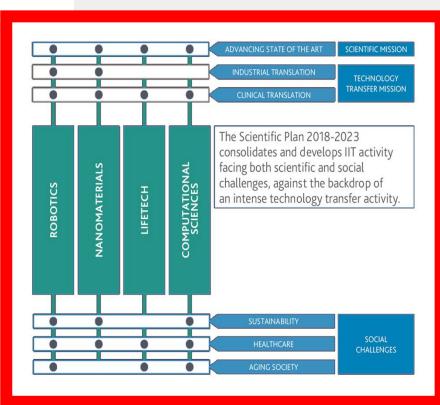
Cross-culture **50+** countries & 5 continents



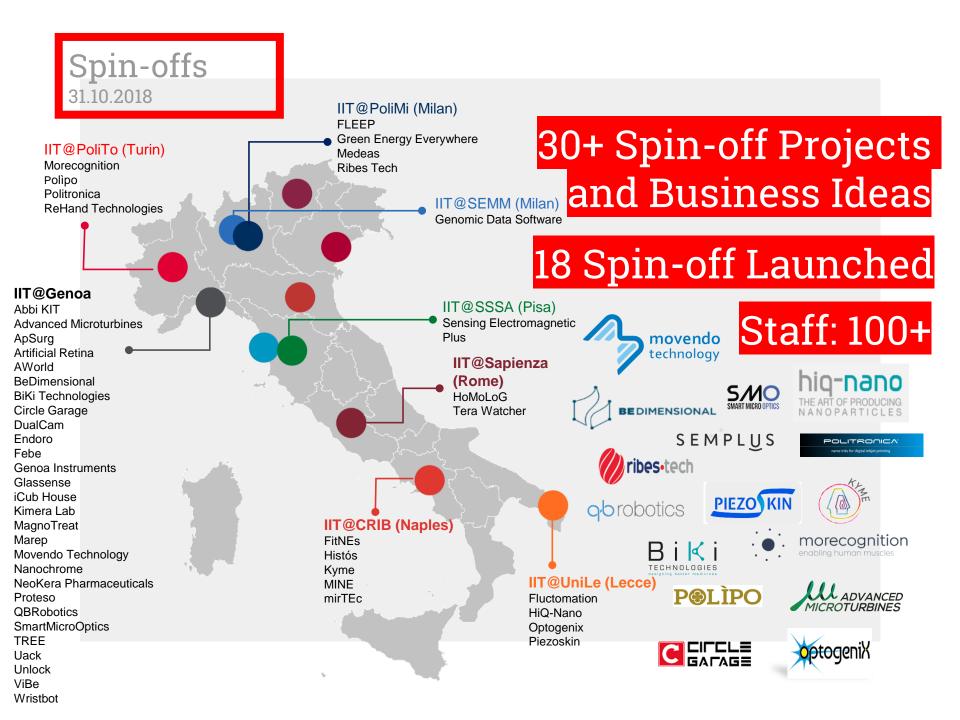


## Institute's Strategic Plan

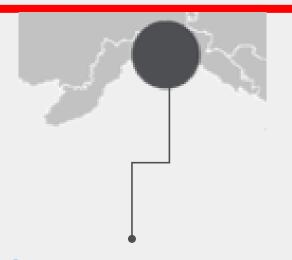
The New Institute Strategic Plan expands the interdisciplinary vision based on the concept of Translating Evolution into Technology, creating the knowledge basis for a research program targeting sustainable solutions for problems of fundamental importance to the future of mankind ("human-centric research").

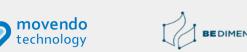


- The Strategic Plan envisages an interdisciplinary combination of research and technology that will have a positive impact on some of the twenty-first century's most important societal challenges.
- IIT has started to apply different **bioinspired technologies** to healthcare, sustainability and personal assistance.
- These challenges reflect the **priorities of Horizon 2020**.



## Spin-offs Genova











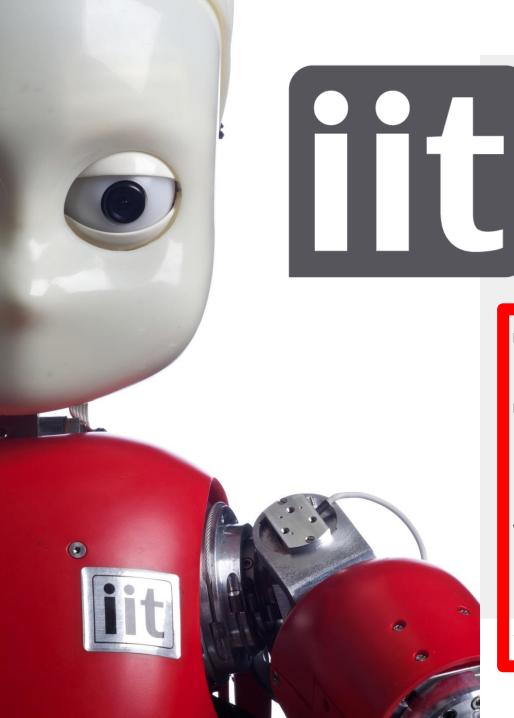


## 6 Spin-off Launched

Fundraising: >30 mln EUR

Staff: > 60

Circa 15 Spin-off Projects and Business Ideas



# ISTITUTO ITALIANO DI TECNOLOGIA

# Technology Transfer

What is and how it work?

Technology Transfer@ Istituto Italiano di Tecnologia

### TT in practice: From Lab to Market

### RESEARCH effort / involvement

INVENTION **RESEARCH** 

**PATENT** 

Proof of Principle

Prototype

Sc lie to ind stry std. Deliver to Market



- The process is iterative and recursive; the driver of this phase is to capitalize on findings and know-how;
- These initial phases are

- INDUSTRY effort / involvement

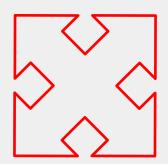
- The idea is hady to be verified. A forecast of the target market and application mus be provided;
- These phases are equally developed by research industry people, who b more and more relevant
- The work is focused on realizing suitable prototy e to be tested and prepared or the target market;
- Often tides a set of additional pater s can derive in connection the introduction of an ention in a production cycle;

- In these phase the market players are the ones who take the lead.
- Product test; compliancy,
- Market test and cost-return evaluation:
- Go/no-go for the launch
- begins its way to the market.

Technology Transfer Organization

**Technology Transfer** is in charge of facilitating and accelerating the adoption of IIT scientific findings into the **industrial cycle**.

**IP Protection** 



**Industrial Liaisons** 

Licensing

Spin-offs and Spin-off projects

### MAIN ACTIVITIES ON INTERNAL SIDE:

Map and monitor inventive activity
Perform IP evaluation and protection
Disseminate IP protection and exploitation culture
Facilitate connection with industry players

#### MAIN ACTIVITIES ON MARKET SIDE:

Map and monitor industry needs
Identify best match between industry and
research, and exploitation tools
Develop and maintain a relationship with the
financial community (VC, angels, etc.)



# Thanks for your attention

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