

DOCTORATE PROGRAM IN

INDUSTRIAL INNOVATION



EDUCATION & RESEARCH





FOUNDERS ASSOCIATES PARTNERS



Department of Information Engineering and Computer Science







UNIVERSITÀ DI TRENTO

Department of Economics and Management



UNIVERSITÀ DI TRENTO

Department of Civil, Environmental and Mechanical Engineering



UNIVERSITÀ DI TRENTO

Department of Physics



UNIVERSITÀ DI TRENTO

Dipartimento di Biologia Cellulare, Computazionale e Integrata











TOWARD INDUSTRY 4.0

The Doctorate Program in Industrial Innovation aims at the application of a series of enabling technologies to industrial domains to create innovation in accordance with the Industry 4.0 strategic approach.

The ultimate goal of the Program is to train highly-qualified professionals with diverse scientific, technical and soft skills, who will contribute to the solution of the challenges posed by the industry.

Advanced materials

e.g. Graphene, Nanotechnology

Health, Wellbeing, and
Active Aging
Smart Energy Sytems
Digital Agriculture
Automotive
Smart Factory
Smart Cities
Cybersecurity

Advanced process technologies

e.g. Robotics, Mechatronics, Additive Manufacturing

Digital technologies

e.g. 5G, IoT, AI, Quantum computing





INDUSTRY CHALLENGES

The Doctorate Program addresses specific research problems proposed by companies operating in various industries

Research topics 2020 LINK

Research topics 2021 LINK







APPLICANTS SELECTION PROCEDURE



Applications for the PhD Program in Industrial Innovation are accepted from applicants who hold a Master's Degree.

Applications are also accepted from students who expect to complete their degree by October, 31st 2022.

The application is subject to €15 non-refundable fee.



PHD PROGRAM OVERVIEW

Duration: 3 years

Academic year: from November, 1st to October, 31st

Official language: English

Internship: up to 36 months internship in the company





TIMELINE OF THE PHD PROGRAM

- Coursework
- Research plan submission

Year 1



Year 2



submission

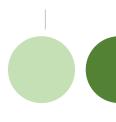
Coursework≥ 6 months

internship in industry

Progress report



Year 3



Research work



PhD Degree

Admission to 2°:

- ≥ 12 CFU (≈4 courses)
- Research plan approval
- Approval by academic advisor and industrial tutor

Admission to 3°:

- 21 CFU (Y1+Y2) (≈7 courses)
- Progress report approval
- Approval by academic advisor and industrial tutor

Admission to FE:

- ≥ 2 (industrialoriented) indexed publications (patent applications may be considered)
- Positive assessment by academic advisor and industrial tutor





MULTIDISCIPLINARY TRAINING COURSES



Technical & Scientific courses

UNIVERSITÀ
Department of
Information Engineering and Computer Science

Department of
Industrial Engineering

Department of
Civil, Environmental and Mechanical Engineering

Department of
Physics

FONDAZIONE
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Soft skills & Innovation & Entrepreneurship courses





BENEFITS

Scholarship

• All the PhD positions are covered by scholarships. The scholarship is approx. 1.200€/month net for 3 years. The net amount may change, depending on the country of residence and specific taxation agreements.

Research budget

• Each student is provided with a budget for research activity amounting 4.887€ for 3 years, which can be used only for educational/research purposes, e.g. conferences, summer schools, registration to scientific associations.



BENEFITS

Accommodation

• 1st year students have the priority for getting accommodation at student residences. Additional information can be found here.

Annual pass for public transport

• PhD students can buy an annual bus pass (public transport within Trento province) at the reduced cost of 50€. Additional information can be found here.

Visa and stay permit

• The Welcome Office of the University of Trento supports students in the visa request, arrival, permit of stay and housing procedures. Additional information can be found here.



A QUICK VIEW ON:









Department of Information Engineering and Computer Science





CONTACTS



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