DOCTORATE PROGRAM IN

INDUSTRIAL INNOVATION

INDUSTRY COLLABORATION
DOCTORATE PROGRAM IN INDUSTRIAL INNOVATION

FOUNDERS

UNIVERSITÀ DI TRENTO
Department of Information Engineering and Computer Science

UNIVERSITÀ DI TRENTO
Department of Industrial Engineering

FONDAZIONE BRUNO KESSLER

ASSOCIATES

UNIVERSITÀ DI TRENTO
Department of Economics and Management

UNIVERSITÀ DI TRENTO
Department of Civil, Environmental and Mechanical Engineering

UNIVERSITÀ DI TRENTO
Department of Physics

PARTNERS

HUB INNOVAZIONE TRENTO

CONFINDUSTRIA TRENTO

TRENTINO SVILUPPO

IMPRESA INNOVAZIONE MARKETING TERRITORIALE
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.
DOCTORATE PROGRAM IN INDUSTRIAL INNOVATION

ADVANTAGES

**Companies**

**Talent access:**
Professionals able to respond to companies’ innovation needs through research and precompetitive development

**Knowledge access:**
Opportunity to collaborate with international level first-class research groups exploiting advanced research outcomes

**Research centers**

**Disruptive innovations:**
Opportunity to work in research topics with high innovation potential

**Knowledge transfer:**
Opportunity to experiment the impact and applicability of research in real-world contexts
DOCTORATE PROGRAM IN INDUSTRIAL INNOVATION

COLLABORATION MODES

PhD Executive

To value an employee and improve his/her technical and innovative contribution within the company

The Employee maintains his status within the company

Requirement: The Employee must be involved in high-qualification activities

Highly-Skilled Apprentice Scholarship

To have access to the top students who will be trained according to the companies' needs with the aim of hiring

Up to 36 months of internship in the company during the PhD program

Activation of a PhD scholarship in collaboration with UNITN/FBK

Collaboration Scholarship

To collaborate with top researchers to support the companies' innovation activities

Up to 18 months of internship in the company during the PhD program

Activation of a PhD scholarship in collaboration with UNITN/FBK
Definition of a research project

Project is built on the problem(s) the company wishes to solve

Call for PhD candidates

The company is deeply involved in the selection process

Candidate selection
DOCTORATE PROGRAM IN INDUSTRIAL INNOVATION

TIMELINE OF THE PHD PROGRAM

Year 1
- Coursework
- Research plan submission
Admission to 2°:
- ≥ 12 CFU
- Research plan approval
- Approval by academic advisor and industrial tutor

Year 2
- Coursework
- ≥ 6 months internship in industry
- Progress report submission
Admission to 3°:
- 21 CFU
- Progress report approval
- Approval by academic advisor and industrial tutor

Year 3
- Research work

Final Exam
Admission to FE:
- ≥ 2 (industrial-oriented) indexed publications (patent applications may be considered)
- Positive assessment by academic advisor and industrial tutor

PhD Degree
Definition of training goals

Multidisciplinary and customizable learning process according to the company’s priority

Project management

Flexible plan established by both parties
DOCTORATE PROGRAM IN INDUSTRIAL INNOVATION

MULTIDISCIPLINARY TRAINING COURSES

Training packages

Technical & Scientific courses

Soft skills & Innovation & Entrepreneurship courses

Department of Information Engineering and Computer Science
Department of Industrial Engineering
Department of Civil, Environmental and Mechanical Engineering
Department of Physics

Fondazione Bruno Kessler
DOCTORATE PROGRAM IN INDUSTRIAL INNOVATION

TOTAL SCHOLARSHIP COST FOR 3 YEARS

- Scholarship: €3,258
- Management fees: €6,000
- PhD student personal research budget: €60,022

Total: €69,280
DOCTORATE PROGRAM IN INDUSTRIAL INNOVATION

CONTACTS

UNITN
industrial-innovation@unitn.it

FBK
Paolo Bresciani
paolo.bresciani@unitn.it
bresciani@fbk.eu
Tel. +39 0461 283915 / 314027

WEBSITE: https://iid.unitn.it