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

UNIVERSITÀ DI TRENTO
Dipartimento di Biologia Cellulare, Computazionale e Integrata

PARTNERS

HIT - HUB INNOVAZIONE TRENTO

CONFININDUSTRIA TRENTO

TRENTINOSVILUPPO
IMPRESA INNOVAZIONE MARKETING TERRITORIALE

EIT Digital
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.
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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
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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

**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

Candidate selection

The company is deeply involved in the selection process
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**
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COLLABORATION BETWEEN ACADEMIC AND INDUSTRY TUTORS

Definition of training goals

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

Project management

Flexible plan established by both parties
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MULTIDISCIPLINARY TRAINING COURSES
The financial conditions of the employment contract are defined directly between the company and the applicant.
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ACHIEVEMENTS

CALL FOR APPLICATIONS

CYCLE 35 – 2019/2020
- Scholarships: 11
- PhD Executive: 2
- Applications: 68
- Finalized applications: 17
- Enrolled students: 7

CYCLE 36 – 2020/2021
- Scholarships: 12 (+1)
- PhD Executive: 9 (+7)
- Applications: 100 (+32)
- Finalized applications: 48 (+31)
- Enrolled students: 15 (+8)
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ACTIVE INDUSTRIAL PARTNERS
CONTACTS

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