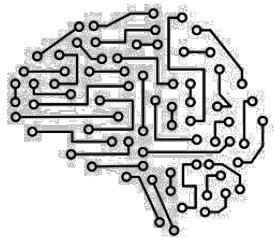
Industrial PhD Program

In Computer and Telecommunications Sciences



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Laboratory of Knowledge & Intelligent Computing

Department of Informatics & Telecommunications

University of Ioannina

UNIVERSITY OF IOANNINA

Industrial PhD Program

In Computer and Telecommunications Sciences

- Inter-institutional PhD Program in collaboration with European Educational Institutions & Research Institutes
- Title: **“Industrial Ph.D. in Computer and Telecommunications Sciences”**

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The Industrial PhD seeks to:

- introduce modern **innovative research & education practices** at UoI
- strengthen **research cooperation** with European companies and industries
- attract doctoral candidates and business executives, who will undertake to implement their doctoral thesis in **collaboration with participating educational institutions** and with a research topic that will concern business issues and problems.
- train **specialized scientists**, postdoctoral fellows who are able to solve problems and propose innovative products, at the level of **industrial production**.

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The preparation of thesis will be carried out under the **co-supervision** of:

- Faculty members of the participating academic institutions
- Researchers of the Research Centers

Part of the **research activity** of PhD candidates:

- will be carried out in cooperation with the company that participates in the training & research plan of the PhD candidate
- will concern the needs of the business.

The Industrial PhD aims to **fill the gap** that exists in the collaboration between academic institutions and business.

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Expected Results:

- Strengthening the **cooperation & research extroversion** of the participating organizations
- **Joint research groups** from different European Universities
- Direct research collaboration with **innovative European companies & industries**
- Strengthening the relationship between **research and the labor market** at national & European level.

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Objective: Research methodology to acquire skills oriented towards European Industry trends, which will provide innovative technologies demanded in Industry 4.0.

1. Information Technology & Telecommunications - ICT
2. Mathematics, Science, Technology and Engineering
3. Social Sciences & ability to learn and manage
4. Entrepreneurship

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Benefits for participating academic/research institutions:

- Improving the **quality of education** and conducting research adapted to the **needs of the market**.
- Contact with the **companies themselves**, to monitor their needs.
- Ability to **test/evaluate their training process** and identify the factors which can enhance the employability of graduates
- Comparison of their methodologies with other universities coming from different regions with different specificities

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The alliance of European bodies will pursue:

- **Exchange of best practices** of interaction between Universities/Research bodies & companies at EU level
- Defining a **common European approach** of interaction, supporting the co-creation of knowledge to strengthen the competitiveness of each region.
- Exploring **harmonization of disciplines** for the Industrial PhD in Europe in order to promote the mobility of researchers
- Promotion of **cross-border industrial research** in European companies & industries and the exchange of funding opportunities.