

# JOIN US IN THIS ADVENTURE

Universities of the Future is seeking for strong cooperation between players of the quadruple helix. Our team will act as amplifier and connector to the needs, concerns, and expectations of the higher education communities (including students and alumni), business and public bodies.

## HIGHER EDUCATION INSTITUTIONS

## COMPANIES

## PUBLIC BODIES

**P.PORTO**



IKEA Industry  
Paços de Ferreira



AGÊNCIA NACIONAL  
DE INOVAÇÃO

PORTO DESIGN FACTORY  
P. PORTO (COORDINATOR)

IKEA INDUSTRY PORTUGAL, LDA

ANI - AGENCIA NACIONAL DE INOVACAO, SA



**Aalto University**

AALTO-KORKEAKOULUSAATIO

**Consair**

CONSAIR



TEKNIIKAN  
AKATEEMISET

TEKNIIKAN AKATEEMISET RY

**Politechnika  
Warszawska**

POLITECHNIKA WARSZAWSKA

**WILLSON  
& BROWN**

WILLSON & BROWN WB SP. Z O.O.



Polska Komisja  
Akredytacyjna

POLSKA KOMISJA AKREDYTACYJNA

## SUPPORT PARTNERS

**Platoniq**

PLATONIQ SISTEMA CULTURAL

**INOVA+**

INOVA+, INNOVATION SERVICES S.A.



AALTO-YLIOPISTON YLIOPIPILASKUNTA  
AALTO-UNIVERSITETETS STUDENTKÄR  
AALTO UNIVERSITY STUDENT UNION



JUNTA DIGITAL

AALTO-YLIOPISTON YLIOPIPILASKUNTA / BEST – BOARD OF EUROPEAN  
STUDENTS OF TECHNOLOGY



# UNIVERSITIES OF THE FUTURE

COLLABORATIVE DIGITAL SHIFT TOWARDS A NEW  
FRAMEWORK FOR INDUSTRY AND EDUCATION

## VANGUARD LEADERSHIP PROGRAM FOR INDUSTRY 4.0

Short-course (2 ECTS)

[universitiesofthefuture.eu](https://universitiesofthefuture.eu)

Co-funded by the  
Erasmus+ Programme  
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# ABOUT THE COURSE

This short-course (24h) will focus on “**Vanguard Leadership Program for Industry 4.0**” and aims to provide to the participants concepts and theoretical models related to human behavior stemming from cognitive neurosciences, promote continuous improvement attitudes, and develop soft skills that enhance the ability to lead the transformation to Industry 4.0 (I4.0). At the end of the course, the participants will:

- Be able of recognizing the added value of self-knowledge;
- Understand the basics of Human brain function;
- Be familiar with variables to predicting human behaviours;
- Improve leadership and teamwork skills.

## SHORT-COURSE DESCRIPTION

The short-course (24h) is **open to the community**. It will be hosted by **Instituto Politécnico do Porto (P.PORTO)**, at the **Porto Design Factory (PDF)**, starting on **28th February 2020**, and during three weekends (February/March). The sessions last about 4h, from **2:30 pm to 6:30 pm** (Fridays) and **9 am to 13 am** (Saturdays).

### SESSION

1

#### Introduction/Neurosciences, leadership and performance (28<sup>th</sup> Feb)

- The industry 4.0 – Trends, concepts and impacts
- Cognitive neurosciences: Coaching with the brain in mindEssential R concepts environment

### SESSION

2

#### Healthy leadership: Self-conscious and purpose (29<sup>th</sup> Feb)

- Self-knowledge and the silver mind platter: balance the leadership energy
- Purpose, ethics and social innovation

### SESSION

3

#### Efficiency and productivity (6<sup>th</sup> March)

- LEAN
- Agile methodologies

### SESSION

4

#### Smart-teams, productivity and positivity (7<sup>th</sup> March)

- Team roles self-knowledge, feedback and high performance
- Sinergy, synchronicity and tune: agile operations in I4.0

### SESSION

5

#### Wise organizations and digital transformation (13<sup>rd</sup> March)

- C-suits conscious and organizational change
- Learning organization and leader coach behavior

### SESSION

6

#### Feedback and Personal Development Plan (PDP) and a Team Development Plan (TDP) (14<sup>th</sup> March)

- Feedback skills (training exercises)
- Individual and team's presentations
- Course evaluation

## PURPOSE AND MOTIVATION

Continuous training programmes/short-courses aimed at expanding the current offer of HEIs in terms of lifelong learning courses and providing innovative training paths to adult learners, interested in re/upskilling their knowledge and skills in topics related to industry 4.0 (same as listed above), better equipping them to undertake or keep pace with organisational/job-related changes. These courses will include a practical component, comprising hands-on projects.

The purpose of this course is to develop soft skills in its participants in order to better influence the organizational transformation that industry 4.0 implies. Organizational transformation requires a set of complex steps to achieve and where qualified people are key to catalysing change. These change leaders must be able to work in teams, as well as enhance their impact in creating the climate and culture that is prone to change.

With a theoretical foundation based on neuroscience and agile operations, we intend to prepare a team of transformation leaders through learning by doing methodologies, where every moment they are challenged to reinvent themselves as a person and as a team, to solve problems. The main soft skills to be developed are flexibility, creativity, teamwork, problem solving, critical thinking and decision making.

**This continuous training course is free, and is part of the short courses programme that the Universities of the Future consortium is preparing to expand the current offer of academic partners in terms of lifelong learning courses. For further information please contact directly Prof Maria Teresa Pereira @ [mtp@isep.ipp.pt](mailto:mtp@isep.ipp.pt).**

**REGISTRATION: to register in this short duration course, please fill the questionnaire available [here](#).**