



CPPS 101

The Smart Manufacturing Paradigm

A Tutorial on Cyber-Physical Production Systems



**EUROPEAN
MANUFACTURING
INNOVATION**



Needs & Target Audience

1. With Industry 4.0 comes the need to educate people to become aware of the main transformations, processes and concepts surrounding the Smart Manufacturing paradigm.
2. Need to access online didactic materials regarding the roots, expectations and challenges of the new technologies that are shaping the future of Industrie 4.0 and the smart manufacturing concept.



Enthusiasts of innovation and today's industry changing ecosystem

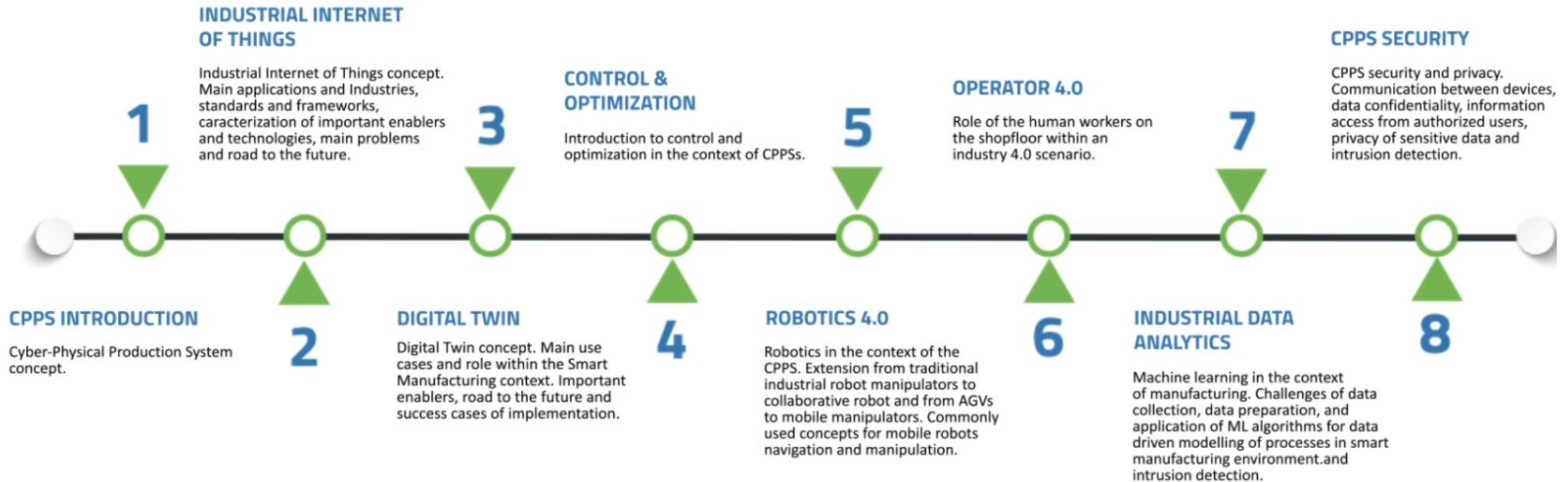


Students, interested in a career in a leading European industrial enterprise



Young researchers in smart manufacturing related topics

1. CPPS101 is an e-learning course that makes available an introduction on CPPS related topics, including:



1

Didactic materials
designed to
provide a clear
and integrated
view about CPPS

2

The course covers
the main essential
topics and emergent
technologies within
Industry 4.0 in 8
different learning
modules

3

The materials are
available in video
tutorials, quizzes,
and practical
hands-on
exercises



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EIT Support

The CPPS 101 activity is supported by EIT and EIT-Manufacturing under the Education Area.

Besides the relevant funding, belonging to the EIT Manufacturing community, the visibility and the content are definitely very important.



EIT Manufacturing is supported by the EIT,
a body of the European Union

The CPPS 101 course will be fully available in January 2021 on the Guided Learning Platform (GLP). Some of the main results are:



8 learning modules



65 digital nuggets
7h of video tutorials
4h of quizzes
8h of hands-on exercises
More than 3 ECTS



Estimated at least 20
trainees already
enrolled before final
release



More than 300 nuggets
consumed only this year