

FREE COURSE (HYBRID EVENT):

INDUSTRY 4.0 FUNDAMENTALS IN BOSCH APPLICATIONS

23 - 26 January 2023
3 PM - 5:30 PM

Aula 1, Politecnico di Bari
and virtually on Microsoft
Teams

**DAUSY and PoliBa Ph.D.
candidates will receive
3 ECTS for attending this
seminar.**

Abstract and schedule

The aim of the seminar is to provide an understanding of the basic concepts and benefits of the joint application of Lean Production and Industry 4.0; the seminar will review practical use cases that Bosch has implemented around the world to provide an understanding of methodologies and concepts ranging from data collection from machines and production lines to new architectures in Industry 4.0 and then move on to the main i4.0 use cases on production, logistics, and maintenance.

January 23 – 3 PM to 5:30 PM

1. Lean Manufacturing (Value Stream Mapping and Value Stream Design)
2. What is Industry 4.0

January 24 – 3 PM to 5:30 PM

1. Cyber-physical systems
2. Business model innovation
3. Industry 4.0 Architecture

January 25 – 3 PM to 5:30 PM

1. Real-Time data usage
2. Industry 4.0 Applications

January 26 – 3 PM to 5:30 PM

1. Sensor data: from collection to analysis
2. Practical examples: Vibration Analysis, Smart Cities and Smart Agriculture

Speaker:

Eng. Bruni Martino, IoT Software Engineer at Bosch Italia

Martino Bruni, Master Degree in Computer Engineering at Polytechnic University of Bari and Post Graduate Master Degree in Industry 4.0 at Polytechnic University of Milan, with 5+ years of experience in Bosch as Industrial IoT Specialist in R&D and Manufacturing plant.

The event will be held in English. Kindly indicate whether you would like to attend in person or virtually. You will receive further information upon registration.

Registration:

<https://forms.office.com/e/cDMhS2zt9G>



BOSCH



The event is organized in the framework of the DAUSY national Ph.D. program (<http://dausy.poliba.it>) in collaboration with the Decision and Control Laboratory (<http://dclab.poliba.it>) of the Politecnico di Bari.