



INDUSTRIAL ENGINEERING - V.P. POSITION

DESCRIPTION OF THE PHD PROGRAM

The PhD in Industrial Engineering foresees research didactic and training activities. It is a three-year programme comprising a total study effort amounting to 180 European Credit Transfer System Credits (ECTS), concluded with the discussion of a PhD thesis. The didactic activities comprise the attendance of teaching courses and seminars by the students and training activities on didactics. The PhD programme develops and expands all the topics that are typical of industrial engineering (machinery construction, energetics, heat transmission, fluid machinery, industrial and mechanical installations, technical installations, food industry plants, vibrations, acoustics and illumination engineering, measurements, metallurgy, materials, management and economic elements, statistics, legal and juridical aspects). A special commission shall evaluate annually the quality of the work of the PhD students. The Professors College comprises members from foreign Research Entities.

DESCRIPTION OF THE SCIENTIFIC FIELD & VISITING PROFESSOR PROFILE

Given the recent strategic decisions taken by the University of Parma on the matter of the European Digital Innovation Hub (DIH) SMILE "Smart Manufacturing Innovation for Lean Excellence", dealing with topics related to "Industry 4.0", we would like to consider a Visiting professor with a fitting profile and strong track record of excellence in research in the field. Some of the topics of particular interest would be Internet of Things (IoT), Industry 4.0, Smart Logistics, Smart Homes and the business models related thereto. Experiences as a visiting researcher at prestigious universities and contacts with the automotive industry would complete the profile of the required Visiting Professor.

DESCRIPTION OF THE DIDACTIC ACTIVITIES OF THE VISITING PROFESSOR

Didactic activities shall address the following topics:

- Radio-Frequency Identification (RFID) and Auto-Id Technologies
- Industrial Internet of Things (IoT)
- Business cases of industrial Internet of Things and RFID in the automotive sector.

Period at the University of Parma: 1 month (presence in Italy)