

PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 EXPERIENCED GRANT LASTING 12 MONTHS FOR CONDUCTING RESEARCH PURSUANT TO ART. 22 OF LAW NO. 240/2010 AT THE DEPARTMENT OF MANAGEMENT, INFORMATION AND PRODUCTION ENGINEERING (A.R.F. 09/B2 – INDUSTRIAL MECHANICAL SYSTEMS ENGINEERING - A.D ING-IND/17 - INDUSTRIAL MECHANICAL SYSTEMS ENGINEERING) - TYPE B

announced with decree of the Rector Rep. no. 711/2018 of 06.11.2018 and posted on the official registry of the University on 06.11.2018

RESEARCH PROJECT

"Technologies and innovation in logistics and distribution processes in the food and grocery sector"

Research structure: Department of Management, information and production Engineering

Duration of the grant: 12 months

Scientific Area: 09 - Industrial and information engineering

Academic recruitment field: 09/B2 - Industrial mechanical systems Engineering

Academic discipline: ING-IND/17 - Industrial mechanical systems Engineering

Scientific Director: Prof. Roberto Pinto

Distribution logistics is a set of increasingly pervasive processes of commercial activities. In particular, last mile logistics has been largely affected by the increase in online sales favored by the increasing digitization of users and companies.

The food and grocery sector is the product-category that has had the greatest increase in e-commerce in recent years and the best growth prospects, underlining the importance of logistics as a competitive factor, as demonstrated by the new home delivery platforms (eg Foodora, Deliveroo ...) that rely heavily on logistics as a critical success factor.

The distribution of goods must be aligned with the commercial offer to the customer, who can activate the purchasing processes through increasingly numerous and different channels, physical and virtual, mutually integrated and interconnected.

The research project aims to investigate the role of the new technologies characterizing the "IV industrial revolution" (or Industry 4.0) in the field of logistics with particular attention to the food and grocery sector.

The research project is original in terms of content: the digital supply chain, especially applied to the food and grocery sector, is an innovative and promising research topic. Some macro-research question currently defined are:

- ▣What are the main impacts on logistics in the food and grocery sector due to the development of the new Industry 4.0 technologies?
- ▣What organizational, operational and distribution models in the food and grocery supply chain can be enabled by new technologies?
- ▣Which operational supports can be provided to companies operating in the food and grocery sector in order to rethink and manage their activities with a view to the digital supply chain?