

PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 EARLY STAGE GRANT LASTING 12 MONTHS FOR CONDUCTING RESEARCH PURSUANT TO ART. 22 OF LAW NO. 240/2010 AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES (A.R.F. 09/A3 - INDUSTRIAL DESIGN, MACHINE CONSTRUCTION AND METALLURGY - A.D. ING-IND/15 - DESIGN METHODS FOR INDUSTRIAL ENGINEERING (CUP: E36D17000090009) TYPE B

announced with decree of the Chancellor Rep. no. 735/2019 of 7.11.2019 and posted on the official registry of the University on 7.11.2019

RESEARCH PROJECT

“Analysis and use of methods and tools to configure and manage products/production plant”

Research structure: Department of Engineering and applied sciences

Duration of the grant: 12 months

Scientific Area: 09 - Industrial and information engineering

Academic recruitment field: 09/A3 - Industrial design, machine construction and metallurgy

Academic discipline: ING-IND/15 - Design methods for industrial engineering

Scientific Director: Prof.ssa Caterina Rizzi

The research activities are carried out under the framework of the INPROVES project. In particular, the research project will concern the study of virtual prototyping and KBE techniques to generate the digital model and the automatic configuration of an assembly line. Attention will also be paid to the management of product / plant data throughout the entire life cycle. The ergonomic aspects of the workstations will be taken into consideration, assuming different scenarios (layout and type of the plant) and the operators' tasks and movements at the different manufacturing plant workstations