

**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 AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES (ARF 09/A2 - AD ING-IND/13) - RESEARCH PROJECT "INTEGRAZIONE DI PRODOTTO E PROCESSO PER LA REALIZZAZIONE DI MOTORI ELETTRICI PER VEICOLI STRADALI", CODE PROJECT IMPROVESGITT17 CUP: E36D17000090009, FINANCED BY REGIONE LOMBARDIA IN THE CONTEXT OF BANDO LINEA "ACCORDI PER LA RICERCA E L'INNOVAZIONE" COFINANCED BY POR FESR 2014-2020 - TYPE B  
PICA CODE 19AR009**

*announced with decree of the Chancellor Rep. no. 797/2019 of 09.12.2019 and posted on the official registry of the University on 13.12.2019*

**RESEARCH PROJECT**  
**"Methods and software systems for the control of multi-axis machines"**

**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/A2 – Applied mechanics

**Academic discipline:** ING-IND/13 – Applied mechanics

**Scientific Director:** Prof. Paolo Righettini

The research project, carried on inside the IMPROVES project, deals with the analysis of the methods and of the software systems for the control of machines having several axes of motion.

In this case, the optimization of the control of such systems both from the point of view of the method used and from the point of view of the software systems for the relevant implementation, is very important to guarantee high performances of the machine.

In the context of the project, it is expected to accurately analyze the state of art of the methods and of the software systems for the control of multi-axes systems; then the relevant characteristics will be evaluated according to the kind of machines and to the kind of application. Afterwards, an implementation activity on some selected test cases is expected