

PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANT LASTING 12. MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT OF MANAGEMENT, INFORMATION AND PRODUCTION ENGINEERING OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 09/A3 – INDUSTRIAL DESIGN, MACHINE CONSTRUCTION AND METALLURGY – ACADEMIC DISCIPLINE ING-IND/15 – DESIGN METHODS FOR INDUSTRIAL ENGINEERING (FUND: DIGIPFUTURMAN).

announced with decree of the Rector Rep. no. 574/2017 of 19.10.2017 and posted on the official registry of the University on 19.10.2017

RESEARCH PROJECT

"Design methodology for additive manufacturing"

Integrating the concept of “product topology” (that is the relation between product parts and the functions that it must perform) into classical design has important consequences on various aspects of project development:

- improvement of Structural optimizers, in order to harmonize forms and functions at various levels;
- creation of a new design approach taking into account the features of 3D printers at early project stage in order to fully exploit their enormous potential in generating increasingly complex and feature-rich components.