

## **RESEARCH PROGRAM NO. 16**

**Publicity of criteria for the qualifications and the interview: on 01.07.2020 at 11.00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

**Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 01.07.2020 at 16.00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

**The interview: on 02.07.2020 starting from 10.30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Stefano Francesco Musso well in advance at the address e-mail stefanofrancesco.musso@unige.it phone number (+39) 3204999770.

**Such a notice is equivalent to notification to all intents and purposes.**

**Scientific coordinator:** Prof. Stefano Francesco MUSSO

**NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00**

**Title:** Interoperability for restoration.

**Description:** Experimentation and critical evaluation of specific Industrial Information Classes (IFC) through which to manage, on interoperable platforms, different knowledge data on existing historic buildings, with the related design and decision-making processes for their conservation and enhancement, also with reference to: Advanced survey methods (3D laser scanner, Z-scan., Structure from Motion ...); The modelling and processing of relevant and analytical-diagnostic data (graphs or alpha-numeric) is being modelled and processed; storage and management of historical data, current state, design and management, dynamically placed over time, using relational data bases, GIS or the "BIM-Building Information Modelling" for cultural heritage. The project will be developed on a historic building in Genoa.

**Scientific disciplinary sector:** ICAR/19 RESTAURO

**Place:** Dipartimento Architettura e Design (DAD)

**Required degree:**

Specializzazione in Beni Architettonici e del Paesaggio (o Restauro dei Monumenti).

**Subjects of the interview:**

Techniques of non-destructive analysis of material, construction and structural characters of artefacts; non-destructive diagnosis of degradation and structural failures; traditional and advanced survey techniques; systems for storing, managing and processing graphical, alpha-numeric and dimensional information in restoration processes; modelling and data processing techniques using relational data-bases, GIS or "BIM-Building Information Modelling" for cultural heritage; interoperability of information systems and work platforms.

The candidate will need to prove his/her knowledge of the english language.