

NOTICE OF COMPARATIVE EVALUATION PROCEDURE BASED ON QUALIFICATIONS AND INTERVIEW
NO. 1325 of 25/03/2015
The General Manager

In view of: the request made by the Research Scientific Responsible, Ms. Cecilia Laschi, to set up a comparative evaluation procedure aimed at selecting a collaborator for the Biorobotics Institute of the Scuola Superiore Sant'Anna;

Following verification: by the Research Scientific Responsible of the objective lack within the organizational structures falling under her responsibility, of specifically qualified professionals able to perform the activity subject matter of the assignment to be awarded;

Having regard to: art. 7(6) of Italian Legislative Decree no. 165/2001 which requires that a comparative procedure for candidates (and interview, if necessary) be set up in order to identify the most suitable candidate for the awarding of the assignment;

Having regard to: art.22 of Italian Law no.69/2009 which amends art.7 of Italian Legislative Decree no. 165/2001 by introducing derogation from proven university specialization for entering into self-employment contracts with professionals enrolled in orders or registers; with persons operating in the field of art, entertainment and craft industries or IT activities; for teaching and research support activities; for orientation services, including placement, and employment contract certification services.

Having regard to: art.17(26) of Italian Law no. 102/2009 implementing art.36 of Italian Legislative Decree no. 165/2001 which removes the limit on the duration of three years during the previous five years for flexible employment contracts;

Having regard to: art.17(30) of Italian Law Decree no. 78/2009, converted into Italian Law no. 102/2009 which establishes that the deeds and contracts pursuant to art. 7(6) of Italian Legislative Decree no. 165/2001 are subject to preliminary control of legality by the Court of Auditors;

Having taken note: that the effectiveness of the contract shall be suspended pending the outcome of the Italian Court of Auditors' preventive control of legality on the contract itself and on the entire procedure, pursuant to art.3(1)(letter f *bis*) of Italian Law no. 20 of 14 January 1994, and art.27 of Italian Law no. 340 of 24 November 2000;

Having regard to: the "Guidelines for the awarding of collaboration assignments" in accordance with art.7(6) of Italian Legislative Decree no. 165 of 30 March 2001" of 22 April 2008, as subsequently amended and supplemented;

Having regard to: the certificate of financial coverage and of compliance of the type of contract proposed with the project's management aspects declared by the Cost Centre of the BioRobotics Institute on 20-03-2015,

HEREBY PROVIDES THAT

a comparative evaluation procedure based on qualifications and interview be launched for no. 1 coordinated and continuous collaboration contract within the scope of the SMART-E: Sustainable Manufacturing through Advanced Robotics Training in Europe (GA 608022) research project (scientific responsible: Prof. Cecilia Laschi).

Art.1 – Subject matter of the contract

The *coordinated and continuous collaboration* assignment shall cover the following main activity: ***"Soft robotic gripper for industrial manufacturing"***

The person awarded the assignment shall carry out his/her work at the *BioRobotics Institute* for a period of 12 months. He/she will be expected to undertake international travel with short stays in different partner institutes (from 1 to 6 months).

The work will consist of the following tasks:

- Development of a novel robotic gripper based on soft robotics technologies for industrial manufacturing;
- Definition of the detailed list of requirements based on limitations of the current industrial gripper for the selected scenario;
- Identification of the most suitable technologies for sensing, mechanisms and actuation;
- Proof of concept by building simplified prototypes;
- Iterative assessment of the gripper performances and optimization of the design;
- Fabrication of the final device;
- Organization of workshops for the Marie-Curie fellows of the SMART-E projects;
- Management tasks related to SMART-E project.

This is an exciting research opportunity at the cutting edge of robotics. The candidate will work with top researchers from academia (University of Salford, University of Zurich, Italian Institute of Technology, Technical University of Munich) and will have the possibility to work and network with industrial partners such as Festo, Shadow Robot, AGCO, and the Advanced Manufacturing Research Centre at the University of Sheffield.

The selected candidate will receive a very competitive salary and mobility allowance, and will access to excellent facilities.

Gross salary follows EC rules: it is € 50.840 per year and there is in addition a mobility allowance of € 9.760 or € 6.590 per year depending on the awarded person's family status. Both will be subject to withholding and social security tax provided for by applicable legislation and any other charges that will be borne by the person awarded as expressly provided for by law.

Art.2 – Requirements

On the closing date for online applications, candidates must fulfil all the following general and specific conditions:

General conditions

- The candidate may be of any nationality.
- At the time of recruitment, the candidate must not have resided or carried out his/her main activity (work, studies, etc.) in Italy for more than 12 months in the 3 years immediately prior to his/her recruitment under the project. Compulsory national service and/or short stays such as holidays are not taken into account;
- Enjoyment of civil and political rights;
- At least 18 years of age;
- Must not have had any criminal conviction and not have any criminal proceedings pending against them;

Specific conditions

- Must be in possession of a doctoral degree, independently of the time taken to acquire it, or has at least four years of full-time equivalent research experience and has less than five years of full-time equivalent research experience
- Prior knowledge in the field of soft robotics;
- English language proficiency (written and oral);
- Strong publication records;
- Outstanding organizational skills, team work capability, self-motivated;
- Management skills;
- Domicile chosen by the candidate for the purposes of the comparative selection procedure.

Art.3 – Application and deadline for submission

Applications must be submitted electronically using the online application form available at <http://www.sssup.it/domandelavoroautonomo> at the latest by 17/04/2015 at 24.00

Applications must be accompanied by a CV. CVs must be drawn up using the European format and shall be dated and signed.

Only complete applications will be accepted and considered. Applications received by e-mail, fax or post will not be considered.

In the event of impossibility to fill in the application, applicants may contact us by e-mail at: lavoroautonomo@sssup.it
Or by phone +39 050/883576.

The list of candidates admitted to the interview will be published on 20/04/2015 without the need for any further communication.

Interviews will be held at: 22/04/2015

The final outcome of the evaluation procedure will be published on 24/04/2015 on Scuola Superiore S. Anna's website.

Art.4 – Performance of the comparative evaluation procedure

The comparative evaluation procedure, whose purpose is to award a coordinated and continuous collaboration assignment, compares the applications and CVs received by filling in a relevant summary sheet. This activity will be carried out by the Research Scientific Responsible who will be assisted, if necessary, by a specifically appointed Committee. The methodology to be taken up while performing the assignment can be evaluated.

Assessment on the basis of qualifications and interview:

Marking: 0 to 60 for the assessment on the basis of qualifications;

Marking: 0 to 40 for the interview

Eligibility with a total of 60 points (qualifications + interview)

a) Academic qualifications – up to **maximum 25** points:

- PhD: up to **maximum 15** points depending on the final mark and pertinence to the activities to be carried out, in the opinion of the selection Committee.

- degree: up to **maximum 10** points depending on the final mark and pertinence to the activities to be carried out, in the opinion of the selection Committee.

b) Scientific qualifications (publications, original work and awards) up to **maximum 20** points depending on their pertinence to the activities to be carried out, in the opinion of the selection Committee.

c) Professional qualifications, documented research activity carried out at public or private institutions under contracts, research grants, scholarships, post-doctoral fellowships or assignments, both in Italy and abroad, and experimental internships up to **maximum 15** points depending on their pertinence to the activities to be carried out, in the opinion of the selection Committee.

d) Interview

Minimum score necessary to be **admitted to the interview: 40**

The interview will assess the quality of the candidate through the following items:

- Experience with multi-physics simulators (e.g. Ansys, Marc, Abaqus)
- Experience with CAD software (e.g. ProE, Solid Works)
- Experience in using rapid prototype manufacturing technologies like 3D printing, laser cutting and elastomer molding
- Robotics, and mechanics

The entire interview will be held in English, using teleconference means, in order to verify also the candidate's knowledge of English language.

At the end of the evaluation, a report will be drawn up in which an account will be given of the appraisals given to the candidates and a merit ranking will be prepared according to the decreasing order of scores assigned to the candidates. The assignment will be awarded to the candidate who has achieved the highest score.

The ranking may be used for awarding further and similar assignments which may be needed or if the winner declines the assignment. Should the project not be completed, the assignment may be extended exceptionally.

Art.5 – Awarding of the assignment and completion of the contract

The General Manager of Scuola Superiore S. Anna will award the *coordinated and continuous collaboration* assignment to the winner of the comparative evaluation procedure, after checking he/she meets the requirements under art. 2. Should the winner be a public employee, upon entering into the contract, he/she must provide the Personnel Department with authorization from the public administration entity he/she belongs to.

In compliance with art. 7(4) of the Code of Ethics of Scuola Superiore S. Anna, candidates who are next of kin within the 4th degree or relatives within the 2nd degree of a teacher, researcher or member of the technical-administrative staff, must declare so in their application. The Personnel Department will inform the watchdog Committee that will monitor performance of the related procedure.

Art.6 – Processing of personal data

Scuola Superiore Sant'Anna will use the data provided by candidates within the limits laid down by Italian Legislative Decree no. 196/2003 with regard to all the obligations required in performing the contract.

Art.7 – Procedure Manager

In compliance with art.5 of Italian Law no. 241/90, the procedure manager is the person in charge of the Personnel Department.

The managers of the various Cost Centres will be responsible for verifying financial coverage and compatibility, with regard to the management aspects of the research or training project, and the type of cooperation set up.

THE GENERAL MANAGER
Mr. Luca Bardi