Call for the selection of no. 1 temporary research associate position:

The University of Pisa announces the public selection, assessed by qualifications and interview, for the assignment of n. 1 grant for research activities (hereinafter referred as "research grants") as provided in the Annex A, with a specific tab for each project listing the reference structure, the research object, the scientific field, a summary of the background and skills of the fellow, information relating to the interview.

Research grants will be funded on the POR FSE TOSCANA 2014-2020 resources in the frame of the Regione Toscana project Giovanisì (www.giovanisi.it), aiming to enhance young people's autonomy.

Successful candidates will have to carry out their research activities mainly (at least 50% of the research activity period) with one of the operators of the regional cultural and creative network that collaborates on the project and is a mandatory component of the partnership.

Contract duration: 24 months

Gross annual salary: € 28.000,00

Admission requirements:

- Hold a master degree at the time of application submission;

- Be under the age of 36 by the application submission;

Successful candidates currently holding other fellowships or research grants, are asked to renounce before the acceptance of the research grants referred in this notice, without prejudice to the provisions stated in the Law 30/12/2010 n. 240, art. 22, subparagraph III (exception laid down for the scholarships awarded by national or foreign institutions and aiming to complement the research activities with a stay abroad).

The selection does not enable nationality limitations and follows the cross-cutting priorities of gender equality and equal opportunities.

Applications:
Applications shall be submitted online only, at the following link: https://pica.cineca.it/unipi/

or shall be invalid. It is necessary to have an email address to login and complete the application.

Applicants should fill in all the required data and upload all documents in PDF format.

The system allows saving a draft of the application within the application deadline. The system will register the online application date and send a receipt with an automatic e-mail reply. After deadline, the system will not allow login nor application submission.

In order to be valid, application shall include all the required data, applicant's signature and a valid identification document.

Each application will be assigned a unique identification number to be referred to in all subsequent communications, together with the selection code provided by the application form.

Applicants undertake to communicate in writing any variations of what declared in the application form.

The communication shall be edited in PDF format, signed and forwarded to the Rector of the University of Pisa by the   Italian certified e-mail system address (P.E.C. Posta Elettronica Certificata): protocollo@pec.unipi.it or via e-mail at: concorsi_assegni@unipi.it within the application's deadline. Applicant's valid identification document should be annexed.

For further information on application submission, please refer to concorsi_assegni@unipi.it
For any IT malfunctioning please refer to unipi@cineca.it.

Applications shall be completed with the following annexes:

1. A training-learning-research project with details of the outcomes and the professional development the candidate aims to achieve through the participation in the selected research project;
2. A self-attested Curriculum of the personal education, post graduate degrees, scientific experiences and research products (publications, patents, etc.**);**
3. The qualifications the applicant considers eligible for this selection;
4. The Publications the applicant considers eligible for this selection;
5. A list of Publications and qualifications;
6. A copy of the fiscal code (if applicable) and identification card/passport;

All publications format should not exceed 30 megabyte and should be submitted in PDF only, using the specific section of the application form.

Selection procedure:

For each selection procedure the Director of the University Department involved in the research project will appoint a committee of three members.
The selection is assessed by qualifications and interview.
For the selection the committee will evaluate:

a) the consistency between the training-learning-research project the candidate proposed and the specific research project;

b) the consistency between the curriculum vitae, the course of study, the research experiences made and the requested project profile;

c) the academic qualifications and the number and quality of research results achieved (publications, patents, etc.);

d) the rating obtained by the interview, which is intended to assess attitude, motivation and background of the candidate participating in the project.

The rating assigned to the candidates as for point b) shall not be less than 40% of the total rating achievable and the rating assigned to the candidates as for point c) shall not be less than 30% of the total rating achievable.

For the interviews timetable, please refer to each research grant tab annexed to this call.

The candidates are invited to check the University website (https://www.unipi.it/ateneo/bandi/assegni/index.htm) during the two days before the date set for the interview.

The failed attendance to the interview will be considered as a voluntary renunciation.

Upon the Selection Committee approval, candidates committed abroad and therefore unable to attend to the interview at the University of Pisa, will be allowed to be interviewed via the web, prior applicant's identification by approved international universities or research centers. The Selection Committee is appointed to establish the duly examination of the candidates and shall acquire each candidate's copy of ID or passport.

The research grants will be allocated no later than 20 March 2020, as required by the call for selection of the Regione Toscana.

Please note that the English version is given as a matter of courtesy, for the only purpose of information. It cannot be legally used in the event of a dispute or a claim arising from the interpretation of this translation and concerning the contents, a possible uncertainty, contradiction or discrepancy. Should this occurs, the Italian version of the call shall prevail as the only valid. For full Italian text, please see: https://www.unipi.it/ateneo/bandi/assegni/index.htm.

Department of Civilisations and Forms of Knowledge

Acronym "RE.S.I.STO."

Project Title funded by the Tuscany Region:

"Retrieval of art-history information systems for a new communication of cultural heritage"

Scientist in charge of the Research Project funded by the Tuscany Region:

Prof. Sonia Maffei

Title of the Research activity:

"Methodologies for software development for Digital Preservation and cultural heritage communication"

Project summary:

The project concerns the topical but too often overlooked theme of the obsolescence of information systems with the ensuing data inaccessibility. The project takes as a case study the C.H. management and dissemination digital platforms, implemented as early as the 90's in Pisa, which at the time was a center of excellence in new technologies as applied to Cultural Heritage. Of those experiences we intend to preserve the original concept, consisting in a platform with two integrated and dynamically connected levels, and to propose it as a methodological model, The first level, made of structured and openly upgradable databases, intended for the preservation and research community; the second one – which is based upon the first -- intended for non specialized users.

Well aware of the validity of the data provided by historical research as well as by precise materic analyses, the project partners aim to involve larger audiences and overcome cognitive barriers – an aim to be achieved by restoring the accessibility of the retrieved data (duly integrated with later acquisitions), by sticking to the multiuser modes methodology and, needless to say, by taking advantage of technologically advanced forms of communication such as serious games, VR experiences, augmented reality and virtual tours. Special attention will be given to the retrieval of the 3D models of Piazza dei Miracoli and some of its monuments, which used to be available, on-line and off-line, for interactive visits,
The conflating of data once visible in the Medieval Art in Pisa site devoted to the medieval city heritage and in the Piazzadeimiracoli platform will offer precious materials for the planned UNESCO Tuscan sites' website and foster the goal of keeping the Piazza dei Miracoli complex connected with other significant monuments and museums, both in the urban and in the adjacent areas, as wished for in the agreement signed by the UNESCO site's stake holders.
Their presence in the partnership as well as that of business concerns looking to capitalizing on the project result, justifies the trust in the new platform being provided for and kept updated.

Scientific discipline sectors:

INF/01 – Informatics
ING/INF05 – Information processing systems

Number of fellowiships:
1

Summary of the background and skills of the fellow:

1. Master degree in Computer Science or Computer Science Engeneering, Digital Humanities;
2. Knowledge of the technologies required to implement information systems for the management of documents in the area of the cultural heritage. Such systems also comprise a web-based graphical interface;
3. Knowledge of web-based programming languages for the development of the front-end (HTML, CSS, JS);
4. Experience on the use of methodologies for the development of the software during all the stages (analysis, design, development and distribution). Object-oriented programming experience and experience with MVC models and similar;
5. Knowledge of programming languages server-side;
6. Knowledge of javascript for client-side developments and knowledge of at least one of the following libraries/frameworks for the development of the front-end: jQuery, Angular, React;
7. Capability of using IDEs;
8. Knowledge of Linux OS and of the main development tools available for the Linux environment;
9. Knowledge of relational data base systems (MySQL or PostgreSQL) and of non-relational data base systems (MongoDB, Cassandra, Redis);
10. The following skills will be positively considered:
    a. knowledge of the cultural heritage domain and of the main models for the digital representation, for the recovery and for the digital preservation;
    b. knowledge of 3D modelling of of technologies for virtual-reality and augmented- reality;
    c. knowledge of methodologies for the development of mobile applications.

Fellow's Supervisor

Prof. Sonia Maffei

Date, time and place of the interview:

March 5, 2020, 10.00 a. m., Department of Civilisations and Forms of Knowledge**, Via Trieste 40, Pisa.**