



UNIVERSITY OF NAPLES PARTHENOPE
Department of Applied Science
Centro Direzionale, Isola C4, 80143, Napoli
Tel.: 081/5476543 - Fax: 081/5476513

THE DIRECTOR OF THE DEPARTMENT

- CONSIDERING law no. 168 dated 9 May 1989;
CONSIDERING legal decree no. 223 dated 4 July 2006, as amended by the law no. 248 dated 4 August 2006;
CONSIDERING art. 7 sub-section 6 of the Legal Decree dated 30 of March 2001, no. 165 as subsequently amended, that states: "For work reasons that cannot be faced with the employed personnel, the Public Administration can enrol university-degree experts individually as autonomous workers, with an occasional or coordinated and continuous nature of contract";
CONSIDERING art. 7 sub-section 6-bis of the Legal Decree dated 30 of March 2001, no. 165 as amended by art. 32 of the Legal Decree dated 4 July 2006, no. 223 as amended by the Law no. 248 dated 4 of August 2006, that states: "Public Administrations regulate and make publicly available, according to their organizations, comparative evaluations procedures for the assignment of collaboration jobs";
CONSIDERING the applicable University Regulations on forms of cooperation in research activities and specifically the "Regolamento di Ateneo per l'affidamento di incarichi di lavoro autonomo", enacted by the Decree of the Rector no. 104 dated 6 of February 2006 as amended by the Decree of the Rector no. 979 dated 28 of December 2006 ;
CONSIDERING the Council of the Department decision dated 21/07/2009

D E C R E E S

A selective public procedure is announced, by qualifications and interview, for the assignment of no. 1 grant for coordinate and continuous collaboration in research activities (hereinafter CO.CO.CO) at the University Parthenope of Naples in the research location better specified hereinafter.

Art. 1--Location, subject area, research title, general aims of research, tutor, title subjects, funding project

LOCATION: Department of Applied Science , Centro Direzionale, Isola C4, Naples

Scientific Sector (S.S.D.): INF/01

TUTOR: prof. Alfredo Petrosino,

The aims and title of the research and the subjects of the qualifications of the selective procedure for the attribution of the above research grant are the following:

Title of research: **Machine Learning for signal and video processing**

Aims of research:

To find and to test novel and effective Machine Learning algorithms for time series signal processing and video surveillance.

Subjects and/or scientific subject sectors to which the candidate's scientific qualification must specifically refer: Signal Processing; Image Analysis; Pattern Recognition; Machine Learning.

Funding Project: FIRB IntelliLogic (cod. RFIPO6MMBW)

Art.2--Liability

Collaboration activity will be performed personally by the selected subject, without subordination commitment and not necessarily in exclusive form.

Art.3--Duration, renewal and amount of the research grant

The grant has an initial duration 1 year and can be renewed for up to 2 years with the same subject.

The renewal of the grant is decided by the Department Council according to the procedures provided by the University Regulations.

The yearly total of research grants is Euro 23.900 net of social security contributions to be paid by the Administration. The amount of the grant is paid to the beneficiary in monthly instalments.

Collaboration will start the 04/01/2010 and will end, if not renewed, the 03/01/2011.

Art. 4--General entry requirements

Entitled to take part in public selections organised to provide grants shall be:

- Age less or equal than 32, **or** in possession of a Msc degree with scientific-technological experience, after Msc degree, of at least 3 years **or** in possession of Phd degree or any other equivalent title post-degree;
- Msc degree in Computer Science, Engineering, Mathematics, Physics
- Strong experience in at least one of the fields: Signal Processing, Image Analysis, Pattern Recognition, Machine Learning.

Persons who have graduated in possession of a scientific-professional curriculum suitable for carrying out research activities, with the exclusion of tenured personnel in Universities, Astronomical, Astrophysical and Vesuvian Observatories and the Public bodies and research Institutes indicated at art. 8 of the President of Council of Ministers decree no. 593 dated 30.12.1993, and subsequent amendments and supplements, ENEA and ASI.

Foreign nationals must be in possession of a certificate of education recognised as being equivalent to those referred to in the sub section above in accordance with international agreements, meaning with the procedures indicated in art. 332 of consolidation act no. 1592 dated 31 August 1933. Such equivalence shall be proven by suitable certification issued by the competent authorities.

Persons who do not have the right to vote cannot be accepted for the selective procedure.

Foreign nationals must also possess the following requisites:

- a) enjoy civil and political rights in the country to which they belong or from which they originate;
- b) except for holders of Italian nationality, be in possession of all the other requirements provided for citizens of the Republic;
- c) to have a MS degree (or an equivalent "old system" degree for italian citizen) in the following subjects: Computer Science, Information Engineering, Mathematics, Physics;
- d) adequate knowledge of English language.

Candidates must be in possession of such requirements at the date of expiry of the term established in the notice of this selective procedure for the presentation of the entry application.

Art. 5-- Evaluation Criteria

The qualification evaluation criteria shall be determined by the judging commission.

Evaluation criteria are determined, for purposes of global evaluation, expressed in hundredths, as shown below:

- up to 5 points for the degree score determined as follows:

up to 107/110 = 0 points

108/110 = 1 point

109/110 = 2 points

110/110 = 3 points

110/110 summa cum laude = 5 points

- up to 35 points for publications and aptitude for scientific research;

- up to 15 points for the research doctorate;

- up to 10 points for upgrade diplomas; certificates of attendance of post-graduate upgrade courses;

- up to 5 points for other qualifications related to the service provided following contracts, scholarships and appointments in national, foreign or international institutes, duly certified and showing the period and duration of the performed activities;

- Up to 30 point for the interview.

For foreign citizens, the interview may be arranged in video conference.

Art. 6-- Terms and Conditions

Candidates are accepted for the selective procedure with reservation.

The Administration may order exclusion from the selective procedure due to lack of prescribed requisites at any time as long as such exclusion is duly motivated.

The presentation of the entry application implies the acceptance of all conditions here expressed.

Art. 7-- Applications

The entry application for the selective procedure, drawn up on unstamped paper, must be addressed and presented directly, by email (dsa@uniparthenope.it) or by registered mail with recorded delivery to the Director of the Department of Applied Science, Centro Direzionale, Isola C4, 80143, Naples, all other media excluded, within the peremptory term of **20** days starting on the day after the notice is posted in the Official University Register. The postal date of the applications is certified by the stamp and date of the post office from which such applications are sent.

Applications must be drawn up according to the form attached to this selective procedure (annex no. 1), showing all the information the candidates must provide according to applicable regulations.

More, a copy of a valid document of identification must be added to the application.

The application must be complete with the qualifications listed below:

a) (mandatory) MS degree certificate indicating the score achieved in the single examinations and in the degree exam;

b) (if applicable) certificate showing the acquisition of the title of research doctor or the passing of the final exam for the obtaining of the title of research doctor;

c) (if applicable) specialization diplomas; certificates of attendance of post-graduate upgrade courses in Italy or abroad; scholarships or research appointments both in Italy and abroad; doctoral dissertations; other titles the candidate asks to be evaluated for purposes of the selective procedure; list of qualifications.

d) (mandatory) curriculum of candidate's scientific and professional activities.

The party involved shall be entitled to attach to the application, instead of the above-listed qualifications, a signed copy.

Documents drawn up in a language different to that indicated by the selection notice must be completed by a translation in English.

Art. 8--Examination commission

The examination Commission will consist of three members: a professor acting as President and two lecturers, plus a secretary to record the proceedings.

The members of the commission will be appointed by the Council of the Department in which cooperation will take place.

At the end of the proceedings, the Commission will draw up a special report containing the evaluation criteria, the judgements, the overall score awarded to each candidate and the ratings of merit.

The decisions of the Commissions shall be final.

The ratings of merit of the candidates are formed according to the order of overall scores obtained by each candidate.

If two or more candidates, at the conclusion of qualification evaluation and test operations obtain the same score, the youngest candidate shall be preferred.

The ratings of merit will be used in case of waiver of the assignee or resolution due to failure to accept the grant; in this case, the grant will be awarded to the next entitled candidate listed in the ratings.

Art. 9 – Selection

The dates of interview and curriculum evaluation will be available on the web site at link http://www.uninav.it/p_ta/ccc.htm#a2 or communicated by mail.

Art. 10--Awarding of research grants

The winners of this selective procedure will establish a self-employed work relationship according to private law, *unless funding withdraw from the sponsoring project*.

With the winner of this selective procedure, a self-employment work contract will be stipulated, *unless funding withdraw from the sponsoring project*, to be signed by the winner and by the Director of the Department of Applied Science of the University of Naples Parthenope.

The prescribed procedure for the cancellation of the relationship is begun against grant holders who, after starting scheduled research activities, fail to continue these in a regular and continuous manner without justified reason, for the entire duration of the grant, or who are responsible for serious and repeated offences.

The grant holder must present, monthly, to the Council of the Department where cooperation is provided a detailed report on the research activities performed. This report must be approved by the tutor and Department Director.

Art. 11-- Privacy

The personal details sent by candidates with the applications to take part in the selective procedure, pursuant to law decree no. 196/2003 "Code on the protection of personal details", will only be processed for management purposes relating to this procedure and the procedure for the assignment of research grants.

Art. 12-- Administrative reference

The person in charge of the procedure indicated in this notice is dott.ssa Elvira Marrone, tel. +39 081 5476543; fax +39 081 5476513; email: elvira.marrone@uniparthenope.it .

For everything not expressly provided by the notice and in the event of applicability, reference shall be made to the provisions of the regulations mentioned in the introduction to this selective procedure and, if applicable, to the provisions of the Italian civil code.

THE PROJECT COORDINATOR

Prof. Alfredo Petrosino

THE DEPARTMENT DIRECTOR

Prof. Giulio Giunta

Annex no. 1

EXEMPLARY APPLICATION FORM (not subject to duty stamp)

To the DIRECTOR OF THE DEPARTMENT OF APPLIED SCIENCE
of the University of Naples Parthenope
Centro Direzionale, Isola C4
80143 NAPOLI

The undersigned asks to take part in the public selective procedure, for qualifications only, for the assignment of 1 CO.CO.CO grant at this University for the following:

LOCATION: Department of Applied Science , Centro Direzionale, Isola C4, Naples
Scientific sector (S.S.D.): INF/01
TUTOR: prof. Alfredo Petrosino,
Title of research: **Machine Learning for signal and video processing**

In this respect, aware that untruthful declarations represent a possible criminal offence, he/she certifies:

SURNAME (a)
FIRST NAME
DATE OF BIRTH
PLACES OF BIRTH
PROV
ADDRESS
PROV
POSTAL CODE
STREET

no.

TAX CODE (Social Security)
ITALIAN NATIONALITY
FOREIGN NATIONALS nationality:
REGISTERED ON VOTING LISTS

Municipality: _____

Country for EU nationals

IF NOT
Why _____

CRIMINAL SENTENCES (b)

IF YES
Which _____

MILITARY POSITION

Postponed

Exempt

Exonerated

From _____

To _____

Waiting for call

Others

CERTIFICATE OF EDUCATION

Obtained on

Score:

At

For foreign certificates of education: equivalent to the following Italian certificate of education:

Having an adequate knowledge of the English language;

BEING RESEARCH DOCTOR

Obtained on

C/o

Not being the holder of other scholarships awarded for any reason whatsoever

Being physically able for the appointment;

I attach the following assessable qualifications to the application: as well as a list of same

I undersigned do hereby certify that the contents of this application correspond to the truth pursuant to art. 46 and 47 of Presidential Decree no. 445/2000 and authorise the personal details I have provided to be processed in accordance with law decree no. 196/03, for all matters relating to this procedure.

Date _____

Signature (c)

- a) Married candidates must indicate in sequence: unmarried surname, first name, surname of husband/wife.
- b) otherwise, indicate the sentences passed, the date the sentence was passed and the judicial authority that passed the sentence (including in the case of any amnesties, legal pardons, forgivenesses, non-registration benefits, etc., and of nothing being shown in the criminal office registrations). Criminal proceedings must be indicated whatever their nature.
- c) in case of direct presentation of applications - curriculum vitae, the candidate shall place his/her signature at the foot of the application - curriculum vitae in the presence of the person charged with receiving the competition documentation; in case of the application - curriculum vitae being sent by mail, the candidate shall sign the application - curriculum vitae and attach to it a photocopy of a valid identification document.