



UNIVERSITY OF LA RIOJA

Resolution No. 22/2016 of 20 January of the Vice-Chancellor of the University of La Rioja, announcing a notice of vacancy for a researcher with a temporary employment contract financed by European project FA9550-15-1-0244, entitled 'Initial Orbit Determination based on Propagation of Admissible Regions with Differential Algebra'.

Title of the position: Researcher for European project FA9550-15-1-0244, entitled 'Initial Orbit Determination based on Propagation of Admissible Regions with Differential Algebra'.

1. Purpose

This notice is for the purpose of filling a vacancy for a position with a temporary employment contract within the framework of European research project FA9550-15-1-0244, entitled 'Initial Orbit Determination based on Propagation of Admissible Regions with Differential Algebra'.

This contract will be financed by means of budgetary implementation 03.07.16.10.01 500I 640.00.

2. Contract Terms and Conditions

2.1 - The contract will be issued within the framework of European research project FA9550-15-1-0244, entitled 'Initial Orbit Determination based on Propagation of Admissible Regions with Differential Algebra', and shall in no case exceed the duration of the project.

2.2 - This will be a full-time contract.

2.3 - The contract will be effective from the date of signature until 28 February 2017.

2.4 - The allocation assigned to the contract which is the purpose of this notice is €28,400 gross, including salary, tax obligations and Social Security contributions for which the University of La Rioja is responsible. In no case shall gross monthly remuneration exceed 1,730 euros.

2.5 - The chosen candidate will be responsible for:

- a) Developing observation simulation software for resident space objects (RSOs);
- b) Analysing and implementing methods of orbit propagation applicable to the determination of the initial orbit of RSOs;
- c) Developing methods for propagating and crossing admissible regions (for optical observations and radar).

3. Requirements

3.1 - Applicants must meet the following requirements:

- a) They should have Spanish nationality, or be a national of one of the Member States of the European Union or a national of those States which, by virtue of international treaties with the European Union ratified by Spain, allow the free movement of workers under the terms in which this is defined in the Treaty on the Functioning of the European Union. Also eligible are spouses, children,

and children of spouses of Spanish nationals and nationals of other Member States of the European Union, provided that they are not legally separated, under twenty-one years of age, or senior citizens who live at their expense.

Likewise eligible are nationals of non-EU States who are resident in Spain at the time of application.

b) They should be older than sixteen years of age and should not have reached the age of compulsory retirement.

c) They should be functionally capable of performing the tasks.

d) They should not have been removed, by means of disciplinary proceedings, from the service of any public administration, or have been barred from the performance of duties. In the case of nationals of a State as detailed above, they should not be subject to disciplinary sanction or a criminal conviction that bars access to public service in their own State.

e) They should have a Master's Degree in Aerospace Engineering, Mathematics or Physics.

3.2 - The requirements must be met by the deadline for submission of applications.

4. Formalisation of Applications

4.1 - Application forms will be available at the University Research Management Service - Servicio de Gestión de Investigación de la Universidad de La Rioja (Avenida de la Paz 93 - 103, 26006 Logroño) - and on the University of La Rioja website:

http://www.unirioja.es/servicios/sgib/investigacion/contratos_tecnicos.shtml

4.2 - Applications shall be addressed to the Office of the Deputy Vice-Chancellor for Research (Vicerrectorado de Investigación) and must be submitted to the General Registry (Registro General) of the University or as set out in Article 38.4 of Law 30/92 of 26 November, on the Legal Regime of Public Administrations and the Common Administrative Procedure.

The deadline for submission of applications shall be fifteen calendar days from the day following the publication of this notice on the website and on the research bulletin board of the Vice-Chancellor's Office.

4.3 - The application shall be accompanied by the following completed documents:

a) Original or photocopy of the applicant's Spanish identity document or passport, or its equivalent in the case of citizens of the European Union

b) Original or certified photocopy of the applicant's academic qualifications, as detailed in section 3.1.e

c) CV outlining the candidate's merits, accompanied by the relevant supporting documents.

4.4 - The applicant must prove that they meet the requirements and hold the qualifications cited in this notice of vacancy by the deadline for submission of applications.

5. Acceptance of Applications

5.1 - Once the deadline for submission of applications has expired, the General Secretary and Head of Institutional and International Relations will issue a resolution approving the provisional list of accepted and rejected applications, outlining, where applicable, the causes for rejection.

This resolution will be published on the research bulletin board of the Vice-Chancellor's Office, as effective notification for all interested parties. This provisional list will also be published for informational purposes on the University website
http://www.unirioja.es/servicios/sgib/investigacion/contratos_tecnicos.shtml

5.2 - Applicants whose applications have been rejected or omitted will have a period of 10 working days from the day following the publication of this resolution on the research bulletin board of the Vice-Chancellor's Office in which to correct any error that may have prompted their rejection or omission, in the event that this can be rectified.

5.3 - Applicants to which the preceding paragraph applies shall be formally excluded if they have not corrected the error prompting their rejection or claimed their omission within the established time limit. Following this period, the General Secretary and Head of International and Institutional Relations shall issue a resolution approving the final list of accepted and rejected applications, which will be published following the same procedure as that for the provisional list.

6. Selection

6.1 - Candidate selection will be undertaken by a Committee which will be formed by Roberto Armellin, MSCA researcher and head of the research project, and Juan Felix San Juan Díaz and Iván Luis Pérez Barrón, lecturers at the Departments of Mathematics and Computing and Electrical Engineering, respectively. The Committee reserves the right to interview candidates.

6.2 - Selection will be made taking into account evaluation of the following merits in accordance with the provisions of Point 1 of the notice of vacancy:

- a) Knowledge of orbital mechanics (30/100)
- b) Experience in methods of orbit propagation (20/100)
- c) Experience in numerical methods for calculating of the solution of ordinary differential equations (10/100)
- d) Experience in programming languages MATLAB and C++/Fortran (20/100)
- e) Understanding of English (20/100).

Qualifications claimed in the CV which have not been supported by documentation at the time of submission of the application will be not taken into account in the evaluation.

6.3 - Subsequently, the Research Management Service shall forward the submitted applications to the Committee, alongside any relevant documentation arising from the notice of vacancy.

6.4 - The Committee shall meet in ordinary session to apply the specific evaluation criteria to the submitted applications. They will also draw up their order of preference.

6.5 - The applicant with the highest score will be the proposed candidate for the contract; in the event that several applicants have the same score, personal interviews will be conducted by the Committee for the purpose of assessing and determining the best candidate for this position.

6.6 - The Selection Committee shall submit the order of preference of the accepted candidates to the Research Management Service.

7. Awarding the Position

7.1 - The Research Management Service shall publish a provisional list of accepted applications in order of preference on the research bulletin board of the Vice-Chancellor's Office, as effective notification for all interested parties. This provisional list will also be published for informational purposes on the University website http://www.unirioja.es/servicios/sgib/investigacion/contratos_tecnicos.shtml. Applicants will have a period of 7 calendar days from the publication of this list in which to make a claim.

Once any claims have been resolved or if the deadline has passed with no claims being made, the list of preference of accepted applications and the proposal for the award of the position to the candidate with the highest final score will be made public.

7.2 - The Selection Committee may choose to leave the position vacant if, in their opinion, no candidate offers the necessary merits for its award. In all cases, and essentially if the position is left vacant, this act by the Committee must be substantiated in accordance with Article 54 of Law 30/92.

7.3 - Relinquishment or rejection of the position by the proposed candidate may be covered by the appointment of another candidate accepted as a result of this notice of vacancy, with due respect in all cases to the order of preference established by the Committee.

7.4 - The supervision of this notice of vacancy is the responsibility of the Deputy Vice-Chancellor for Research.

7.5 - Candidates may lodge an appeal against the Committee's proposal with the Vice-Chancellor of the University of La Rioja within the period of one month from the day following its publication on the research bulletin board of the Vice-Chancellor's office.

Lodging an appeal will have no suspensive effect on the proposal from the list, unless the Vice-Chancellor, by express resolution, registers that the implementation of the decision could cause significant or irreparable damage or registers the obvious existence of grounds for rightful invalidity on the basis of the challenge. To this end, the employment contract may be signed, notwithstanding that the outcome of the appeal may result in automatic termination of the contractual relationship.

8. Submission of Documents

8.1 - Prior to the date set for their work to begin, the proposed candidate shall submit the following documents to the Personnel and Remuneration Management Service (Servicio de Gestión de Personal y Retribuciones):

- a) A sworn statement or promise that they have not been removed, by means of disciplinary proceedings, from the service of any public administration, or been barred from the performance of duties. Those who do not have Spanish nationality must prove that they are not subject to disciplinary sanction or a criminal conviction that bars access to public service in their own State.
- b) A sworn statement that they do not suffer from any illness or physical or mental impediment that would prevent the performance of their duties.
- c) A photocopy of their Social Security registration card, where applicable.
- d) A statement affirming that there are no grounds for disqualification.

8.2 - Those not submitting this documentation or those whose documentation, upon examination, is deemed to lack the requirements set out in this notice of vacancy cannot be contracted by this University.

8.3 - The possible falsification of data or breach of the terms of this notice of vacancy will lead to termination of the contract and the refund of any unduly paid amounts.

9. Final Regulation

An action may be brought before the Administrative Court of La Rioja against this resolution, which exhausts the administrative channels, within the period of two months from the day following its publication on the research bulletin board of the Vice-Chancellor's office of the University.

Interested parties may, however, choose to lodge an appeal against this resolution with this body, within the period of a month, in which case no action may be brought before an administrative court as cited above while there is no express or presumed resolution of the appeal.

Logroño, 20 January 2016

THE VICE-CHANCELLOR

Signed: José Arnáez Vadillo