



### ANNEX III

2018/CP/082

## CALL FOR RECRUITMENT

### FUNDING

Reference: ERC-2016-StG, GA 714150

Title: Fast Natural Language Parsing for Large-Scale NLP (FASTPARSE)

WORK CENTRE: Facultade de Informática (Faculty of Computer Science)

OBJECT OF THE CONTRACT:

Contributor to the tasks of the indicated research project.

PLACE AND WORK TIMETABLE: Faculty of Computer Science. Monday to Friday, 9:00-14:00 and 16:00-18:30 (37.5 h/week)

EMPLOYEE'S GROUP CATEGORY (SOCIAL SECURITY SYSTEM): Group 1

PROFESSIONAL CATEGORY \*( 17 NOVEMBER 2014 AGREEMENT ON THE PERSONNEL HIRED UNDER CHAPTER 6 OF THE UDC BUDGET)

Associate Researcher ☐

\* Trainee Researcher ☒ \* Requires previous enrollment in a SUG PhD programme

Research Support Technician ☐

Research Support Assistant ☐

Administrative Officer ☐

Administrative Assistant ☐

WORK DAY Full Time: ☒

Part Time: ☐

DURATION 12 months

STARTING DATE

1/09/2018

GROSS SALARY : 1750 €/month

BUDGET ITEM: 6140280087.541A.649.02.00

\* The salary is divided into 12 monthly payments. The proportional part of the corresponding extraordinary payment is included in each monthly payment.

### REQUIREMENTS

QUALIFICATION: Bachelor's Degree or equivalent

EXPERIENCE: See appendix

OTHER REQUIREMENTS: Being enrolled in a doctoral programme in the Galician University system. Good spoken and written English level is required (minimum CEFR B2 level or equivalent). A score of at least 55 points in the scale specified in the selection criteria (see appendix) is required. All the requirements must have been satisfied by the end of the application deadline.

### HOW TO APPLY

PLACE: By email to carlos.gomez@udc.es (Carlos Gómez Rodríguez)

DEADLINE: 10 days from publication at the UDC virtual notice board website.

### SELECTION COMMITTEE AND PUBLICATION OF THE RESOLUTION

#### Documentación que debe presentar o solicitante / Documentation that must be provided by the applicant:

1. Fotocopia D.N.I. / Photocopy of ID card or passport.
2. Fotocopia da titulación académica. / Photocopy of academic title.
3. Curriculum vitae.

\*Acordo sobre clasificación profesional, condicións de traballo e marco de referencia da representatividade laboral do persoal contratado con cargo a proxectos e convenios de I+D+I financiados a través do capítulo VI dos orzamentos da UDC. Asinado o 17/11/2014 entre a UDC e os sindicatos CCGO e CIG



SELECTION COMMITTEE: Committee composed of the principal investigator of the project (Carlos Gómez Rodríguez) and two other researchers from the LyS (Language and Information Society) research group (Miguel A. Alonso Pardo and Jesús Vilares Ferro).

PLACE OF PUBLICATION OF THE RESOLUTION: Bulletin board of the Computer Science Department, Faculty of Computer Science.

A Coruña, 16th May 2018

THE PRINCIPAL INVESTIGATOR

GOMEZ  
RODRIGUEZ  
CARLOS - DNI  
44839041N

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Signed: Carlos Gómez Rodríguez

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## Contract appendix

### Project data

Name: Fast Natural Language Parsing for Large-Scale NLP (FASTPARSE)

Reference: ERC-2016-StG, Grant Agreement nº. 714150

Principal Investigator: Carlos Gómez Rodríguez – [carlos.gomez@udc.es](mailto:carlos.gomez@udc.es)

*This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No 714150).*

### Job content

The goal of the present contract is collaboration in the research to be developed within the mentioned project. The goal of this research is to develop new models, algorithms and techniques to improve the speed of natural language parsers, making them suitable for web-scale processing. The selected researcher will develop, implement and evaluate dependency and constituency parsing models, contributing to the project's research lines.

### Justification of contract length

A 1-year (renewable) duration is offered as it is considered enough to complete the research tasks corresponding to the initial stages of the project.

### Minimum requirements

The candidates must be enrolled at a doctoral programme in the Galician University System and have at least a Bachelor's Degree or equivalent. Furthermore, it is a necessary requirement for selection to have a good level of spoken and written English (demonstrable), and to obtain at least 55 points in the evaluation scale detailed below.

### Assessment criteria

Apart from the requirements mentioned above, which are necessary conditions for selection, the following merits will be assessed and scored:

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- Academic record in the required degree: up to 15 points. A minimum grade at least equivalent to the minimum pass mark (5 out of 10 or equivalent) will be required for the academic record to be scored. It will be scored on a scale from 1 point with the minimum pass mark to the maximum of 15 points with the top possible mark (10 out of 10 "matrícula de honor"/high honors, or equivalent).
- Completed Master's degree (or other degrees enabling enrollment in doctorate programs at UDC) in Computer Science, Computational Linguistics, Mathematics or similar fields related to the project's research area: the academic record will be assessed up to 30 points. A minimum grade at least equivalent to the minimum pass mark (5 out of 10 or equivalent) will be required for the academic record to be scored. It will be scored on a scale from 1 point with the minimum pass mark to the maximum of 30 points with the top possible mark (10 out of 10 "matrícula de honor"/high honors, or equivalent). Apart from candidates with a fully completed degree, those who are pending only the Master's Thesis defense or grading process, and have otherwise completed all the courses, will also be scored in this section.
- Scientific publications related with the project's research area in the last 2 years: maximum 3 points (each publication will be scored with up to 2 points according to the quality of the journal or conference and the number of authors, the maximum score corresponding to a paper with up to three authors in a first-quartile JCR-indexed journal or a long paper in a conference ranked A+/A\* in the CORE Conference Ranking).
- Demonstrable work experience of at least three months, related with the project's research area, in the last 2 years: maximum 2 points (1 point per year).
- Knowledge of the languages identified as strategic in the project's "description of action" (Mandarin Chinese, Arabic, German): each language will be scored up to 3 points (from 1 point for CEFR A1 level to 3 points for CEFR C1 level or higher). Maximum 9 points.
- Knowledge of other languages from outside Spain, not included in the previous point, and excluding English: each language will be scored up to 1 point (from 0.25 points for CEFR A1 level to 1 point for CEFR C1 level or higher). Maximum 4 points.
- Knowledge of programming in C++, C#, Java or Python, which can be shown through certifications, courses, software projects in platforms like GitHub, etc.: maximum 4 points (up to 1 point per software project, depending on its size and complexity. Up to 1 point per professionally recognized certification: universities, official training centres, certifications by Microsoft, Oracle, etc. Up to 1 point per training course of more than 20 hours).
- Bachelor's Thesis, Master's Thesis or similar related with the project's research area: up to 8 points, where the maximum score (8 points) would correspond to a thesis awarded the maximum possible mark (10 out of 10 or equivalent) and related with the project's research area, and the minimum score (0 points) to a project with the minimum pass mark (5 out of 10 or equivalent) or without relation to the project's research area.
- Other merits not considered in the previous points, including additional training (additional degrees, summer schools, etc.), prizes and distinctions received, etc.: up to 5 points per merit, maximum 5 points (university degrees different from those that gave access to the PhD degree: up to 5 points per degree. Prizes received: up to 5 points per prize depending on regional, national or international scope. Research training in summer schools, winter schools or

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Framework Programme of the European Union



European Research Council  
Established by the European Commission

similar: up to 3 points per program. Competitive scholarships, grants or projects received: up to 2 points per grant. GRE or other standardized general exams: up to 2 points).

- Personal interview in English: up to 20 points. Only candidates scoring at least 40 of the 80 possible points in the previous items of the scale will be called for an interview.

Obtaining at least 55 out of the 100 points of the full scale is required for selection.

A Coruña, 16th May 2018,

GOMEZ RODRIGUEZ  
CARLOS - DNI  
44839041N

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Signed: Carlos Gómez Rodríguez

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