



## Contract appendix

### *Project data*

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

Reference: ERC-2016-StG, Grant Agreement n°. 714150

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

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### *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, and will collaborate in providing guidance and support to the PhD students working for the project.

### *Justification of contract length*

A 12-month duration is offered as it is considered enough for the starting research tasks in the project. The contract will be renewable for other 12 months.

### *Minimum requirements*

To be selected, candidates must:

- Have a PhD degree in Computer Science, Computational Linguistics, Mathematics or related fields.
- Have an excellent level of spoken and written English (demonstrable, at least CEFR B2 level or equivalent).
- Have high-impact scientific publications in the project's research area: at least five publications in this field in the last five years, ranked A or A\* in the CORE Conference Ranking, or in the top three quartiles by impact factor in ISI Journal Citation Reports.
- Obtain at least 50 points in the evaluation scale detailed below.

#### **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.



## Assessment criteria

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

- Scientific activity: scientific publications related with the project's research area in the last 5 years will be assessed with up to 6 points per publication, maximum 60 points.
- 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 3 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).
- Other merits not considered in the previous points, including additional training (additional degrees, summer schools, etc.), prizes and distinctions received, etc.: up to 4 points per merit, maximum 4 points (university degrees different from those that gave access to the PhD degree: up to 4 points per degree. Prizes received: up to 4 points per prize depending on regional, national or international scope. Research training in summer schools, winter schools or similar: up to 2 points per program. Competitive scholarships, grants or projects received: up to 2 points per grant).
- Personal interview in English: up to 20 points.

Obtaining at least 50 out of the 100 points of the full scale is required for selection.

A Coruña, 17th January 2017,

Signed: Carlos Gómez Rodríguez

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